#### **Tower TWR1067 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1039 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1086 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1060 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1077 (O2 - LTE)**

■ High latency → Check backhaul/core network

### **Tower TWR1066 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1025 (Three - LTE)**

■ Tower healthy

### Tower TWR1091 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1010 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1038 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1075 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1064 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1054 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1085 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### **Tower TWR1017 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1096 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1014 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1067 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1000 (EE - 4G)**

■ Tower healthy

#### Tower TWR1018 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1057 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1031 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1041 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1097 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1031 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1055 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1080 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1040 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1089 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1014 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1082 (Vodafone UK - LTE)**

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1075 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1055 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1001 (Vodafone UK - LTE)**

■ Tower healthy

#### **Tower TWR1002 (EE - 5G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1021 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1098 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1091 (Three - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1043 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1097 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1033 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1024 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1028 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1100 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1085 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1079 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1064 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1031 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1093 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1020 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1025 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1097 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1020 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1033 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1040 (EE - 5G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1068 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1044 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1023 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1074 (Vodafone UK - 4G)

■ Tower healthy

#### **Tower TWR1006 (EE - 5G)**

■ Tower healthy

# Tower TWR1097 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1086 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1064 (EE - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1022 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1074 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1053 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1047 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1047 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1061 (EE - 5G)**

■ Tower healthy

## Tower TWR1068 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1041 (Three - 4G)

■ Tower healthy

## Tower TWR1085 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1071 (O2 - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1043 (Three - 5G)

■ Tower healthy

# Tower TWR1021 (Three - 4G)

■ Tower healthy

### Tower TWR1093 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1097 (Three - LTE)**

■ Tower healthy

### Tower TWR1087 (Vodafone UK - 5G)

■ Tower healthy

### Tower TWR1020 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1005 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1041 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1036 (Three - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1096 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1026 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1000 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1062 (O2 - 4G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1050 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1018 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1054 (O2 - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1070 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1099 (EE - LTE)

■ Tower healthy

#### **Tower TWR1096 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1040 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1079 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1086 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1093 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1092 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1051 (EE - 5G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1013 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1097 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1059 (O2 - 5G)

■ Tower healthy

## Tower TWR1070 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1035 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1090 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1097 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1080 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1002 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1003 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1021 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1052 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1051 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1052 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1031 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1083 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1025 (O2 - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1068 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1074 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

### bandwidth

## Tower TWR1088 (Three - 5G)

■ Tower healthy

## **Tower TWR1089 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1081 (EE - LTE)

■ Tower healthy

### **Tower TWR1007 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1055 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1065 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1004 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1038 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1055 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1097 (Three - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### **Tower TWR1075 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1080 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1034 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1093 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1013 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1012 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1086 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1038 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1077 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1011 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1097 (EE - 5G)**

■ Anomaly detected → Send field engineer

#### Tower TWR1025 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1058 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1080 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

### **Tower TWR1096 (EE - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1009 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1097 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1012 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1083 (Three - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1064 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

### **Tower TWR1063 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1003 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1027 (Three - 5G)

■ Tower healthy

## **Tower TWR1046 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1078 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1055 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1088 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1034 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP

routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1063 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1029 (EE - LTE)

■ Tower healthy

### Tower TWR1059 (O2 - 4G)

■ Tower healthy

### Tower TWR1078 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1005 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1054 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1031 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1015 (Vodafone UK - 5G)

■ Anomaly detected → Send field engineer

# Tower TWR1048 (EE - 4G)

■ Tower healthy

## Tower TWR1006 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1062 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1067 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1049 (EE - LTE)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1015 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1019 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1015 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1065 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1088 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1057 (EE - LTE)

■ Anomaly detected → Send field engineer

# Tower TWR1016 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1049 (EE - 5G)**

■ Tower healthy

### **Tower TWR1047 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1006 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1049 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1064 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1047 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1071 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1073 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1074 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1022 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1038 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1001 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1063 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1029 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1030 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1023 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1044 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1009 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1042 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1018 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1074 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1060 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1001 (Three - 4G)

■ Tower healthy

### Tower TWR1096 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1045 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1100 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1048 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1041 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1094 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1076 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1043 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1051 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1060 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1055 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1085 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1036 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1083 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1031 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1012 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1099 (O2 - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1076 (Vodafone UK - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1084 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1035 (EE - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1020 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1035 (O2 - LTE)**

■ High latency → Check backhaul/core network

#### **Tower TWR1030 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1080 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1043 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1020 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

# Tower TWR1003 (Three - 4G)

■ Tower healthy

## Tower TWR1049 (Three - 5G)

■ Tower healthy

### Tower TWR1076 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1020 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1036 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1054 (O2 - 5G)

■ Anomaly detected → Send field engineer

#### Tower TWR1092 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1003 (Vodafone UK - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1071 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1092 (O2 - 5G)

■ Anomaly detected → Send field engineer

### Tower TWR1043 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1071 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1023 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1012 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1018 (Vodafone UK - 4G)

■ Tower healthy

### **Tower TWR1091 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## **Tower TWR1011 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1068 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1057 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1028 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1028 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1064 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1065 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1098 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1049 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1047 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1093 (Three - LTE)**

■ Tower healthy

# Tower TWR1032 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### **Tower TWR1047 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1069 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1046 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1096 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1047 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1006 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1025 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1078 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1032 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1089 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1085 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1090 (EE - 4G)**

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1023 (Vodafone UK - 5G)

■ Tower healthy

### **Tower TWR1062 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1067 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1033 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1071 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1085 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1091 (O2 - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1012 (O2 - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1053 (EE - 4G)**

■ Tower healthy

### **Tower TWR1047 (EE - 4G)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1032 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1098 (EE - 5G)**

■■ Tower overloaded → Add capacity / load balancing; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1092 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1097 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1027 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1066 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1035 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1079 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1056 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1064 (O2 - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1000 (O2 - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1060 (Three - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1094 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1021 (EE - LTE)

■ High latency → Check backhaul/core network

#### Tower TWR1052 (Three - 4G)

■ High latency → Check backhaul/core network

### **Tower TWR1070 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1003 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1031 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1057 (Three - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1100 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1098 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1095 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1005 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1002 (Three - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1012 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## **Tower TWR1070 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1035 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1013 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1058 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1091 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1010 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1047 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1045 (Vodafone UK - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1061 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1039 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1032 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1080 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1066 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1089 (O2 - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1082 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1004 (Vodafone UK - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1061 (EE - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1012 (O2 - 5G)

■ Tower healthy

### **Tower TWR1079 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1024 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1057 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1099 (O2 - LTE)**

■ High latency → Check backhaul/core network

### **Tower TWR1006 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1002 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1092 (EE - 5G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1048 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1048 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1032 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1080 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1043 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1010 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1038 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1058 (EE - 5G)**

■ High latency → Check backhaul/core network

### Tower TWR1023 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1002 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1057 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1039 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1058 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1083 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1088 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1003 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1092 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1058 (O2 - 5G)

■ Anomaly detected → Send field engineer

## Tower TWR1081 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1090 (Three - 5G)

■ Tower healthy

### **Tower TWR1094 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1069 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1031 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1087 (O2 - 5G)

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing

# Tower TWR1003 (O2 - LTE)

■ Tower healthy

### Tower TWR1062 (O2 - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1021 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1010 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1041 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1022 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1054 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1003 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1012 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1072 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1024 (EE - 5G)**

■ Tower healthy

## **Tower TWR1041 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1035 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1064 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1073 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1014 (O2 - LTE)**

■ Tower healthy

### **Tower TWR1029 (Vodafone UK - LTE)**

■ Tower healthy

#### Tower TWR1015 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1003 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1052 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1019 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1073 (Three - LTE)**

■ Tower healthy

## Tower TWR1085 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1086 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1077 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1041 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1085 (Three - LTE)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### Tower TWR1091 (Three - 4G)

 $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1016 (Vodafone UK - LTE)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1015 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1019 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1085 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1015 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1063 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1062 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1094 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1074 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1000 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1026 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1071 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1069 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1015 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1045 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1058 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1094 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1057 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1051 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1035 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1000 (O2 - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1098 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1058 (EE - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1054 (O2 - 4G)

■ Tower healthy

#### **Tower TWR1063 (EE - 5G)**

■ Tower healthy

### **Tower TWR1045 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1018 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1044 (Vodafone UK - 5G)

■ Tower healthy

#### **Tower TWR1035 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1003 (O2 - 5G)

■ Tower healthy

### **Tower TWR1007 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1024 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1100 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1034 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1034 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1039 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1027 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### Tower TWR1077 (O2 - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1035 (Vodafone UK - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1038 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1093 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1045 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1096 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1009 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1047 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1099 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1094 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1097 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1011 (Three - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1047 (O2 - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1031 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1065 (Three - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1093 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1057 (EE - 5G)**

■ High latency → Check backhaul/core network

### **Tower TWR1059 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1100 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1098 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1005 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1089 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

#### **Tower TWR1016 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1046 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1058 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1010 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1067 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1035 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1050 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1082 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due →

### Replace/upgrade tower

# Tower TWR1080 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1005 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1058 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1070 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1028 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1008 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1087 (Three - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1067 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1094 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1050 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1003 (EE - 5G)**

■ Tower healthy

#### **Tower TWR1053 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1097 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1076 (Three - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1055 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1072 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

## Tower TWR1001 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1082 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1007 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1065 (Three - 5G)

■ High latency → Check backhaul/core network

#### **Tower TWR1062 (EE - 4G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1081 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1082 (Three - 4G)

■ Tower healthy

### **Tower TWR1018 (EE - LTE)**

■ Tower healthy

## Tower TWR1000 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1023 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1005 (EE - 5G)**

■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1074 (EE - LTE)

■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1100 (Three - 5G)

■ Tower healthy

#### **Tower TWR1002 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1012 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1068 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1001 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1007 (O2 - 4G)

■ Tower healthy

# **Tower TWR1025 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1010 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1099 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1052 (EE - LTE)

■ High latency → Check backhaul/core network

# **Tower TWR1076 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1049 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1049 (Vodafone UK - LTE)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP}$ 

#### routing/codecs

# Tower TWR1090 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1044 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1039 (Vodafone UK - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1001 (O2 - 5G)

■ Tower healthy

#### **Tower TWR1062 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1031 (O2 - 4G)

■ Tower healthy

## Tower TWR1035 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1076 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1071 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1093 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1031 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1074 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1062 (EE - 5G)**

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP

# Tower TWR1067 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1027 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

### **Tower TWR1052 (Vodafone UK - LTE)**

■ Tower healthy

#### **Tower TWR1047 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1099 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1078 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1094 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1075 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1032 (O2 - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1086 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1058 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1029 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1062 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1028 (Three - 4G)

■ Tower healthy

#### Tower TWR1079 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1030 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1100 (Three - 4G)

■ High latency → Check backhaul/core network

#### **Tower TWR1057 (Vodafone UK - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1004 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1088 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1061 (Three - LTE)**

 $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1094 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1061 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

#### **Tower TWR1003 (O2 - LTE)**

■ Tower healthy

# **Tower TWR1008 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1072 (Three - LTE)**

■ Tower healthy

# Tower TWR1099 (O2 - 5G)

routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1061 (O2 - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1096 (O2 - LTE)**

■ High latency → Check backhaul/core network

#### **Tower TWR1100 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1028 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1049 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1058 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (O2 - LTE)

■ Anomaly detected → Send field engineer

# **Tower TWR1018 (EE - 4G)**

■ Tower healthy

# Tower TWR1000 (Three - 5G)

■ Tower healthy

#### Tower TWR1004 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1031 (Vodafone UK - 5G)

■ Tower healthy

#### Tower TWR1042 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1059 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1064 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### Tower TWR1098 (O2 - 5G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1008 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1060 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1053 (Three - 4G)

■ Tower healthy

#### **Tower TWR1096 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1020 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1030 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1004 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1070 (Three - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1089 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1086 (EE - 5G)**

■ Tower healthy

# Tower TWR1099 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1002 (O2 - LTE)

■ Tower healthy

## **Tower TWR1070 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1034 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1086 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1073 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### **Tower TWR1053 (Three - LTE)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1082 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1048 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1090 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1088 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1059 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1010 (Vodafone UK - 4G)

■ Tower healthy

#### Tower TWR1068 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1015 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1080 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1077 (EE - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1065 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1026 (O2 - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### Tower TWR1082 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1022 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1035 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1099 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1094 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1041 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1010 (O2 - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1033 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1094 (O2 - 5G)

#### routing/codecs

# Tower TWR1072 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1084 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### Tower TWR1092 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1073 (Three - LTE)**

■ Tower healthy

# Tower TWR1012 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1072 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1088 (Three - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1073 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1008 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1028 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1054 (Vodafone UK - LTE)

■ Tower healthy

#### **Tower TWR1028 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1076 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1042 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1056 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1046 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1002 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1074 (EE - 4G)**

■ Tower healthy

#### **Tower TWR1015 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1070 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1031 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1077 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1002 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1090 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1066 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### **Tower TWR1000 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1007 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1004 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1002 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1076 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1044 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1056 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1032 (EE - 5G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1061 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1036 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1012 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1023 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1071 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1063 (Three - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

#### Tower TWR1033 (O2 - 5G)

■ Tower healthy

#### **Tower TWR1078 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1016 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1093 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1086 (EE - LTE)

■ Tower healthy

#### **Tower TWR1064 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1017 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1054 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# **Tower TWR1072 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1094 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### **Tower TWR1017 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1073 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1078 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1057 (Vodafone UK - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1019 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1044 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1059 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1053 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1002 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1075 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1064 (EE - 4G)**

■ Tower healthy

#### Tower TWR1064 (O2 - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1093 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1077 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1055 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1056 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1089 (Three - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1045 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1035 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1094 (Three - 5G)

■ Tower healthy

# **Tower TWR1090 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1047 (EE - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1002 (EE - 5G)**

■ High latency → Check backhaul/core network

#### Tower TWR1019 (Vodafone UK - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1010 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1028 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1055 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1005 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1051 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1006 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1071 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1034 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

#### Tower TWR1036 (Three - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1019 (EE - 4G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1048 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing

# **Tower TWR1067 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1078 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1062 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1067 (Vodafone UK - 5G)

■ Tower healthy

#### **Tower TWR1014 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1060 (Three - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1000 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1022 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths /

#### bandwidth

# **Tower TWR1069 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1096 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1090 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1094 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

#### Tower TWR1078 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1092 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1050 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1067 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1040 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1037 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1011 (Three - LTE)**

 $\blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network}$ 

# Tower TWR1054 (Vodafone UK - 4G)

routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1006 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1052 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1035 (Three - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1030 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# **Tower TWR1005 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

#### Tower TWR1008 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1071 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1023 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1081 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1032 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1018 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1093 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1048 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### Tower TWR1096 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1035 (Three - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1027 (Three - 4G)

■ Tower healthy

# Tower TWR1020 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1032 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1048 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1075 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1091 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1055 (Three - LTE)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

## Tower TWR1001 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1078 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1016 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1040 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1072 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1070 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1034 (Three - LTE)**

■ Tower healthy

#### Tower TWR1006 (EE - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1085 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1026 (Vodafone UK - LTE)**

■ Tower healthy

#### Tower TWR1048 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1088 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1067 (EE - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1083 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1061 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1073 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1016 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1030 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1083 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1036 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1079 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1000 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1003 (Three - 4G)

■ Tower healthy

### **Tower TWR1026 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1053 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1083 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1082 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1044 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1020 (EE - 5G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1093 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1048 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1096 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1017 (Three - LTE)**

■ Tower healthy

#### **Tower TWR1040 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1088 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1013 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1077 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1018 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1035 (O2 - 4G)

■ Tower healthy

# Tower TWR1080 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1019 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1055 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1097 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1031 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1017 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1045 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1085 (Three - LTE)

■ Tower healthy

#### Tower TWR1016 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1023 (Three - 5G)

■ Tower healthy

# Tower TWR1013 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1055 (EE - 4G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1083 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1067 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1039 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1074 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1049 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1031 (Three - LTE)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

#### Tower TWR1072 (Three - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1070 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1024 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1035 (EE - 4G)**

■ Tower healthy

# **Tower TWR1013 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1094 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1099 (O2 - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1041 (Three - 4G)

■ High latency → Check backhaul/core network

### **Tower TWR1054 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1062 (EE - 5G)**

■ Tower healthy

# **Tower TWR1015 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1011 (Vodafone UK - LTE)**

■ Tower healthy

#### **Tower TWR1031 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

#### **Tower TWR1063 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1064 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1046 (EE - 5G)**

■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1019 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1057 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1081 (Three - 4G)

■ Tower healthy

#### **Tower TWR1019 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1088 (Three - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1048 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1080 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1061 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1085 (Three - 4G)

■ Tower healthy

# Tower TWR1069 (O2 - 4G)

■ Tower healthy

# Tower TWR1073 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1042 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1041 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1043 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1041 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1001 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1035 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1095 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1082 (Vodafone UK - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1006 (Vodafone UK - LTE)**

■ Tower healthy

#### Tower TWR1021 (Three - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1078 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1029 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1060 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1049 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1021 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1004 (EE - LTE)

■ Tower healthy

#### **Tower TWR1016 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1066 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1040 (Three - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1031 (Vodafone UK - 5G)

■ Anomaly detected → Send field engineer

## **Tower TWR1073 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1018 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1058 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1050 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1100 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1014 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1032 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1100 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1031 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1024 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1038 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1089 (EE - LTE)

■ High latency → Check backhaul/core network

# Tower TWR1003 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1008 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1042 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1025 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1083 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1095 (O2 - 5G)

routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1027 (Vodafone UK - 5G)

 $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1039 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1027 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1092 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1079 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1008 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1080 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1091 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1075 (EE - LTE)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1055 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1027 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1091 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1016 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1088 (Vodafone UK - 4G)

routing/codecs; ■ Anomaly detected → Send field engineer

# **Tower TWR1010 (EE - 5G)**

■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1012 (O2 - LTE)**

■ Tower healthy

### Tower TWR1063 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1002 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1039 (Vodafone UK - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1043 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1036 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1067 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1040 (O2 - LTE)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

#### **Tower TWR1013 (Vodafone UK - 4G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth

#### Tower TWR1007 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1011 (Three - LTE)**

■ Tower healthy

#### **Tower TWR1061 (EE - 5G)**

routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1058 (Vodafone UK - LTE)**

■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1029 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

#### **Tower TWR1049 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1016 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1010 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1011 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1005 (EE - 5G)**

 $\blacksquare\blacksquare$  Tower overloaded  $\to$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1062 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1055 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1059 (Three - LTE)**

■ Tower healthy

## Tower TWR1029 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1100 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1065 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■■ Old tower + maintenance due →

#### Replace/upgrade tower

# **Tower TWR1071 (EE - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1073 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1007 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1039 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1093 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1081 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1040 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1053 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### **Tower TWR1058 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1087 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1011 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1016 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### Tower TWR1026 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1055 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1091 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1069 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1072 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1000 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1043 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1096 (EE - LTE)

■ High latency → Check backhaul/core network

## Tower TWR1058 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1005 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1073 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1043 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1082 (EE - 4G)**

■ Tower healthy

#### Tower TWR1075 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

#### **Tower TWR1067 (Vodafone UK - 4G)**

■ Tower healthy

#### Tower TWR1028 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1040 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1000 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1007 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1013 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1032 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1057 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

#### Tower TWR1035 (O2 - 5G)

■ Tower healthy

### **Tower TWR1004 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1019 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

#### Tower TWR1050 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1048 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1012 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1044 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1038 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1009 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1086 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1051 (Vodafone UK - 5G)

■ Tower healthy

#### **Tower TWR1045 (EE - 4G)**

■ Tower healthy

## **Tower TWR1067 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1030 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1090 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1098 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1038 (Three - 4G)

■ Tower healthy

#### Tower TWR1041 (O2 - 5G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1053 (O2 - 4G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1073 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1094 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1080 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1067 (EE - 4G)**

■ Tower healthy

# **Tower TWR1062 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1009 (EE - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

#### Tower TWR1034 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1012 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1058 (O2 - 5G)

■ Tower healthy

# Tower TWR1092 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1072 (Vodafone UK - LTE)**

lacktriangledown Packet loss high ightarrow Optimize VoIP routing/codecs; lacktriangledown Old tower + maintenance due ightarrow

#### Replace/upgrade tower

# Tower TWR1022 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1079 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1001 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1072 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### Tower TWR1065 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1083 (EE - 4G)**

■ Tower healthy

## Tower TWR1070 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1057 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1052 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1044 (Three - 4G)

■ Tower healthy

# Tower TWR1081 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### Tower TWR1010 (Vodafone UK - 4G)

■ Tower healthy

#### **Tower TWR1021 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1042 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1021 (EE - 5G)**

■ High latency → Check backhaul/core network

### Tower TWR1013 (EE - LTE)

■■ Tower overloaded → Add capacity / load balancing

#### Tower TWR1036 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1044 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1031 (EE - LTE)

■ High latency → Check backhaul/core network

## Tower TWR1064 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1068 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1094 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1029 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1096 (O2 - LTE)**

■ Tower healthy

### Tower TWR1057 (O2 - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1035 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1057 (O2 - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1023 (EE - 4G)**

■ Tower healthy

### **Tower TWR1075 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1001 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1026 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1065 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1012 (O2 - 4G)

■ High latency → Check backhaul/core network

### **Tower TWR1039 (O2 - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1013 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1100 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1010 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1051 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1092 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1054 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1017 (O2 - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1051 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1025 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1014 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1056 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1019 (Three - LTE)**

■ Tower healthy

### Tower TWR1037 (O2 - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1005 (Three - 5G)

■ Anomaly detected → Send field engineer

## **Tower TWR1058 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1015 (EE - 4G)**

■ Tower healthy

### Tower TWR1100 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1076 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1014 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1082 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1059 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1050 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1018 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1062 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1070 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1050 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1066 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1035 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1065 (O2 - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1089 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1051 (Three - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

## **Tower TWR1034 (Three - LTE)**

■ Tower healthy

### **Tower TWR1061 (EE - 4G)**

■ Anomaly detected → Send field engineer

### Tower TWR1032 (O2 - 5G)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1080 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1029 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1097 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1007 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1061 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1047 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1067 (EE - LTE)**

■ Tower healthy

### Tower TWR1056 (Three - 5G)

■ Tower healthy

# **Tower TWR1043 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1069 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1068 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1054 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1071 (O2 - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1007 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1070 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# **Tower TWR1055 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1012 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1066 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1071 (EE - 4G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1050 (Three - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1079 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1094 (Three - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1090 (Three - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1096 (EE - 4G)**

■ Tower healthy

#### **Tower TWR1021 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

# **Tower TWR1055 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1038 (O2 - 5G)

■ Tower healthy

## **Tower TWR1027 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1086 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1010 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1093 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1046 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1082 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1064 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1058 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1024 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1059 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1035 (Three - 4G)

■ Tower healthy

# **Tower TWR1081 (Three - LTE)**

■ Tower healthy

#### Tower TWR1031 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1056 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1069 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1078 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1001 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1068 (EE - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1070 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1079 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1009 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1048 (O2 - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1013 (Vodafone UK - 5G)**

■ Tower healthy

# Tower TWR1073 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1086 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

### Replace/upgrade tower

# **Tower TWR1047 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1082 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1050 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1047 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1073 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

### **Tower TWR1021 (Vodafone UK - 4G)**

■ Tower healthy

### Tower TWR1086 (O2 - LTE)

■ Tower healthy

### **Tower TWR1053 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1039 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1015 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1019 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1021 (Three - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1045 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due

→ Replace/upgrade tower

# Tower TWR1043 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1073 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1037 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1094 (EE - 4G)**

■ Anomaly detected → Send field engineer

### **Tower TWR1051 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1066 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### **Tower TWR1033 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1087 (Three - 4G)

■ Tower healthy

# **Tower TWR1054 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1023 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1037 (EE - 4G)**

■ Tower healthy

# Tower TWR1043 (Three - 5G)

■ Tower healthy

#### **Tower TWR1076 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1004 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1071 (Three - 5G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1004 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1052 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1070 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1002 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1064 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1004 (Three - 4G)

■■ Tower overloaded → Add capacity / load balancing

### **Tower TWR1081 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1041 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1061 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1048 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1030 (Three - 4G)

■ Tower healthy

### **Tower TWR1019 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1070 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1072 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1081 (Vodafone UK - 4G)

■ Tower healthy

#### Tower TWR1031 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1007 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1068 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1031 (Three - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1092 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1055 (Vodafone UK - 4G)

 $\blacksquare\blacksquare$  Tower overloaded  $\to$  Add capacity / load balancing;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1017 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1000 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1088 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1042 (EE - LTE)

■ Tower healthy

### **Tower TWR1045 (O2 - LTE)**

■ Tower healthy

### Tower TWR1066 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1068 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1011 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1074 (O2 - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1038 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1092 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (Three - 5G)

■ Tower healthy

## **Tower TWR1002 (EE - 5G)**

■ High latency → Check backhaul/core network

# **Tower TWR1080 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1002 (O2 - 5G)

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

# **Tower TWR1069 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1031 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1074 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### Tower TWR1047 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1054 (EE - LTE)

■ Tower healthy

#### **Tower TWR1035 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1089 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1090 (Three - LTE)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

# Tower TWR1013 (O2 - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1067 (O2 - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1069 (Three - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1083 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1012 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1020 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1013 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1083 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

## **Tower TWR1003 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1073 (EE - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1077 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1015 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1015 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1081 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1067 (Three - 4G)

■ Tower healthy

### **Tower TWR1088 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1023 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1037 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1064 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1002 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1096 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network

### **Tower TWR1005 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1077 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1052 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1007 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1054 (EE - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1075 (EE - 4G)**

■ Tower healthy

### Tower TWR1052 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1027 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1039 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1085 (EE - LTE)

■ High latency → Check backhaul/core network

### **Tower TWR1052 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1026 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1070 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1074 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1042 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1053 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1064 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1020 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1001 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1085 (Three - 4G)

■ Tower healthy

### **Tower TWR1019 (EE - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1077 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1032 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1005 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1099 (Three - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1030 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1042 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1053 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1079 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1075 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1027 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1091 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1078 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1007 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1044 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1053 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1021 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1086 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1092 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1000 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

### **Tower TWR1024 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1083 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1077 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1088 (Vodafone UK - 4G)

■ Tower healthy

## **Tower TWR1062 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1008 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1071 (EE - 4G)**

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### **Tower TWR1081 (Vodafone UK - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1066 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1086 (Vodafone UK - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1064 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1008 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1040 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1002 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1072 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1077 (EE - 4G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1047 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1049 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1051 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1046 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1084 (Vodafone UK - LTE)**

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1015 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1066 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1021 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1037 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1030 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1043 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1091 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1024 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1009 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1023 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1066 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1047 (Vodafone UK - 4G)**

■ Tower healthy

### **Tower TWR1005 (O2 - LTE)**

■ Tower healthy

# Tower TWR1058 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1068 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1017 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1085 (Vodafone UK - LTE)**

■ Tower healthy

### **Tower TWR1056 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1056 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1022 (O2 - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1093 (EE - 4G)**

■ Tower healthy

### Tower TWR1045 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

### Tower TWR1086 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1038 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1042 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1042 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1074 (Vodafone UK - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1030 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1085 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1015 (Vodafone UK - 4G)

■ Anomaly detected → Send field engineer

# Tower TWR1098 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1071 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1016 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1091 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1016 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1043 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1035 (Vodafone UK - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1095 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1070 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1067 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1003 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1064 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1082 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### Tower TWR1006 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1066 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1073 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1024 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

### Tower TWR1051 (Three - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1078 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1100 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1002 (EE - 4G)**

■ High latency → Check backhaul/core network

### **Tower TWR1028 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1082 (EE - LTE)

■ Tower healthy

## Tower TWR1034 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1080 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1007 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1066 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### Tower TWR1041 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1076 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1008 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1061 (Three - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1088 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1000 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1031 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1054 (Vodafone UK - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1049 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1023 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1000 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1036 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1051 (EE - 5G)**

■ Tower healthy

### Tower TWR1100 (Three - 5G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1048 (EE - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1055 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1091 (EE - 4G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1013 (Vodafone UK - 5G)

■ Tower healthy

### Tower TWR1014 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1096 (Three - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1074 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1065 (EE - 4G)**

■ Tower healthy

# **Tower TWR1012 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1094 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1050 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1057 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

#### Tower TWR1074 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1077 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1007 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1009 (Three - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1001 (EE - 4G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1033 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1029 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1047 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1045 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1088 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1059 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1003 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1000 (Three - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1074 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1063 (EE - 4G)**

■ Tower healthy

## Tower TWR1088 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1009 (O2 - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1046 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1016 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1078 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1003 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1019 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1058 (EE - 5G)**

■ Tower healthy

### Tower TWR1046 (O2 - 4G)

■ Tower healthy

# **Tower TWR1093 (EE - 4G)**

■■ Tower overloaded → Add capacity / load balancing

# **Tower TWR1036 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

# **Tower TWR1009 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1025 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1089 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1006 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1009 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1086 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1037 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1081 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1004 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1018 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1086 (O2 - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1052 (Vodafone UK - 4G)

■ Anomaly detected → Send field engineer

# Tower TWR1053 (Three - 5G)

■ Tower healthy

### **Tower TWR1034 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1100 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1017 (Three - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### **Tower TWR1089 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1053 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1012 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1056 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1028 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1060 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1048 (Three - 4G)

■ Tower healthy

### **Tower TWR1021 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1041 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1090 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1003 (EE - 4G)**

■ High latency → Check backhaul/core network

#### **Tower TWR1033 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1089 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1038 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1055 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1023 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1069 (O2 - 4G)

■ Tower healthy

# Tower TWR1083 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1035 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1075 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1038 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1052 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1070 (Three - 5G)

■ Tower healthy

### **Tower TWR1065 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1002 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1024 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1029 (Three - 4G)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1070 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1003 (EE - LTE)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1012 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1059 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1097 (EE - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1069 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1023 (Three - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1021 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1081 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1041 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1038 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1024 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1082 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1091 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1099 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1098 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1088 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

### Tower TWR1061 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1074 (Three - 5G)

■ Tower healthy

### **Tower TWR1017 (Vodafone UK - 4G)**

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1048 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1062 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1074 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1006 (EE - 4G)

■ Tower healthy

### Tower TWR1072 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1096 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1078 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1016 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1064 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1031 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1001 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1017 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1035 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1003 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1070 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1068 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1074 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1100 (Three - LTE)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

### **Tower TWR1049 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1062 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1062 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1083 (O2 - 4G)

■ Tower healthy

### Tower TWR1046 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1062 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1037 (O2 - 4G)

■ Tower healthy

#### Tower TWR1051 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1100 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1002 (EE - LTE)

■ High latency → Check backhaul/core network

### Tower TWR1024 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1093 (Three - LTE)**

■ Tower healthy

#### Tower TWR1009 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1083 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1005 (Three - 4G)

■ Tower healthy

# **Tower TWR1027 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1037 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1003 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1010 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1043 (Three - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1052 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1081 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1041 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### Tower TWR1086 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1059 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## **Tower TWR1029 (Vodafone UK - LTE)**

■ Tower healthy

#### **Tower TWR1074 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1099 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1016 (EE - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1039 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1013 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1062 (EE - LTE)**

■ Tower healthy

## Tower TWR1100 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1060 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1041 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1002 (Three - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## **Tower TWR1030 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1030 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1029 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1044 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1033 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1031 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1052 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1006 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1075 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1031 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1034 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1096 (EE - LTE)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1037 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1074 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1095 (Vodafone UK - 5G)

■ Tower healthy

### Tower TWR1006 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1057 (O2 - 5G)

■ Tower healthy

# Tower TWR1064 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1051 (Vodafone UK - 4G)

■ Tower healthy

## Tower TWR1080 (Vodafone UK - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1012 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1013 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1038 (O2 - LTE)

■ Tower healthy

# Tower TWR1046 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1002 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1042 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1072 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1063 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1056 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1019 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1008 (EE - 4G)**

■ Tower healthy

## Tower TWR1012 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1035 (Three - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1093 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1000 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1030 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1049 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1018 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1051 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1099 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1049 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1090 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1057 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1011 (O2 - LTE)**

■ Tower healthy

## Tower TWR1063 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1097 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1023 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1056 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (Vodafone UK - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

## **Tower TWR1012 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1007 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1076 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1093 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1076 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1057 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1032 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1043 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1087 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1086 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1068 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1073 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1005 (O2 - 5G)

■ Tower healthy

# **Tower TWR1032 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1053 (Three - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1028 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1063 (O2 - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1043 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1045 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1057 (Three - LTE)**

■ Tower healthy

## **Tower TWR1041 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1046 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1027 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1036 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1007 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1077 (EE - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1028 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1074 (Vodafone UK - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1018 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1060 (O2 - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## Tower TWR1014 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1043 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1079 (Three - 4G)

■ Tower healthy

#### **Tower TWR1025 (Vodafone UK - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1079 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1097 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1085 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1044 (EE - 5G)**

■ High latency → Check backhaul/core network

## Tower TWR1037 (EE - LTE)

■ Tower healthy

## **Tower TWR1065 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1021 (Vodafone UK - 4G)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network}$ 

## Tower TWR1080 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1053 (Vodafone UK - 4G)**

■ Tower healthy

## Tower TWR1075 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1046 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1004 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1072 (EE - 5G)**

■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1018 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1097 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## **Tower TWR1085 (EE - 5G)**

■ Tower healthy

# **Tower TWR1008 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1084 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1047 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1039 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1050 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1054 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1016 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1058 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1028 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

## bandwidth

## Tower TWR1069 (Three - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1056 (Three - LTE)**

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1097 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1044 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1021 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1012 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1050 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1072 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1000 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1095 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1013 (Vodafone UK - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1083 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1074 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1058 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1074 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1033 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1029 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1092 (Vodafone UK - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1051 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1098 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1081 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1098 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1029 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1050 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1037 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

## Replace/upgrade tower

# **Tower TWR1048 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1079 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1086 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1009 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1032 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1091 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1021 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1070 (Three - 4G)

■ Tower healthy

## **Tower TWR1023 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1052 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1013 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1087 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1000 (O2 - 4G)

## **Tower TWR1000 (EE - 4G)**

■ Tower healthy

# Tower TWR1010 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1082 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1085 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1084 (Three - 5G)

■ Anomaly detected → Send field engineer

## Tower TWR1062 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1069 (Three - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1078 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1076 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1021 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1033 (Three - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1018 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1068 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1084 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

## Replace/upgrade tower

# Tower TWR1096 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1022 (Vodafone UK - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1100 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1074 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1007 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1057 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1095 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1085 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1032 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1017 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1069 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1076 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1013 (EE - 5G)**

■ Tower healthy

## Tower TWR1075 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1028 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1080 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1098 (EE - LTE)

■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1091 (Three - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1085 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1070 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1022 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1040 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1038 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1091 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1096 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1028 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1068 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1054 (EE - 5G)**

■ Tower healthy

## **Tower TWR1026 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1082 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1066 (Three - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1036 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1070 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1052 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1001 (O2 - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1039 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1091 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1087 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1077 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1055 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1001 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1053 (Three - LTE)**

■ Tower healthy

## **Tower TWR1018 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1039 (O2 - 4G)

■ Tower healthy

## Tower TWR1006 (EE - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1088 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1001 (O2 - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1036 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1009 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1045 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1051 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1010 (O2 - 5G)

## **Tower TWR1089 (Vodafone UK - LTE)**

■ Tower healthy

#### Tower TWR1026 (Vodafone UK - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1027 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1040 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### Tower TWR1019 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1075 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1019 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1033 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1043 (EE - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1098 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1064 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1027 (EE - 5G)**

■ Tower healthy

# Tower TWR1058 (Vodafone UK - 5G)

#### **Tower TWR1098 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## Tower TWR1011 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1005 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1025 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1002 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1085 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1071 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1092 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1049 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1009 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1002 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1078 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1076 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1097 (O2 - 4G)

■ Tower healthy

## Tower TWR1021 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1060 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1036 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1073 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1056 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1062 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1028 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1071 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1052 (EE - LTE)

■ High latency → Check backhaul/core network

## Tower TWR1002 (Three - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1061 (EE - LTE)

#### Tower TWR1084 (Three - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1017 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

## Tower TWR1020 (Three - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1083 (Three - LTE)

■ Anomaly detected → Send field engineer

#### Tower TWR1090 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1029 (EE - 4G)**

■ Tower healthy

## **Tower TWR1047 (Three - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## **Tower TWR1096 (Three - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1035 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1007 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1018 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1015 (Three - LTE)**

■ Tower healthy

## **Tower TWR1079 (O2 - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1088 (O2 - LTE)**

#### Tower TWR1045 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1057 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1099 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1006 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1023 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1077 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1017 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1078 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1066 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

#### Tower TWR1059 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1020 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1053 (Three - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1001 (EE - LTE)**

#### **Tower TWR1069 (EE - 5G)**

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1006 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1020 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1066 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1004 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1085 (Three - LTE)**

■ Tower healthy

## **Tower TWR1015 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1049 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1077 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1028 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1085 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1059 (Vodafone UK - 5G)**

■ Tower healthy

## Tower TWR1039 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1072 (O2 - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1082 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1089 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1044 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1058 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1021 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1011 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1013 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1035 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1097 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1030 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1034 (Three - 4G)

■ Tower healthy

#### **Tower TWR1091 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1035 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1012 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1033 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1072 (O2 - 5G)

■ Tower healthy

## **Tower TWR1056 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1069 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1065 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1041 (EE - 4G)**

■ Tower healthy

## Tower TWR1072 (Three - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1070 (O2 - 4G)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1099 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1061 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1026 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1025 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1047 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1050 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1079 (Three - 4G)

■ Tower healthy

# Tower TWR1087 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1078 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1064 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1075 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1073 (EE - 4G)**

■ Tower healthy

## **Tower TWR1013 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1096 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1057 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1054 (EE - 5G)**

■ Tower healthy

## Tower TWR1094 (Three - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

#### Tower TWR1063 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

## **Tower TWR1071 (EE - 4G)**

■ Tower healthy

# Tower TWR1017 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1004 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1012 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1061 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1049 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1059 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1033 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1003 (Three - 4G)

■ Tower healthy

## Tower TWR1007 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1030 (EE - 5G)**

## Tower TWR1090 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1005 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1046 (Three - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

## Tower TWR1007 (Vodafone UK - 4G)

■ Tower healthy

## Tower TWR1031 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1018 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1076 (O2 - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1032 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1016 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ Anomaly detected  $\rightarrow$  Send field engineer

### **Tower TWR1062 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1080 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1020 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1010 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1038 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## **Tower TWR1063 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1001 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1030 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1078 (O2 - 4G)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1087 (Vodafone UK - 5G)

■ Tower healthy

#### **Tower TWR1088 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1045 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1089 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1000 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1034 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1083 (Three - LTE)**

■ High latency → Check backhaul/core network

# **Tower TWR1092 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1011 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

## routing/codecs

## Tower TWR1049 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1005 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1053 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1044 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1054 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1043 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1093 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1060 (Three - 5G)

■ Tower healthy

# Tower TWR1054 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1040 (EE - 4G)**

 $\blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network}$ 

## **Tower TWR1066 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1012 (O2 - 4G)

■ Anomaly detected → Send field engineer

## Tower TWR1098 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1061 (EE - 4G)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due →

## Replace/upgrade tower

# **Tower TWR1005 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1036 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1079 (EE - 5G)**

■ Tower healthy

## Tower TWR1087 (O2 - 5G)

■ Tower healthy

## Tower TWR1038 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1055 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1048 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1054 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1086 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1072 (EE - 5G)**

■ Tower healthy

# **Tower TWR1012 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1098 (EE - LTE)

■ Tower healthy

## **Tower TWR1004 (Vodafone UK - 5G)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1046 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1008 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1057 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1078 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1022 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1063 (EE - LTE)

■ Tower healthy

# **Tower TWR1019 (EE - 5G)**

■ Tower healthy

## Tower TWR1083 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1000 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1075 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1071 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1021 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1083 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1008 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1018 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1034 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1026 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1088 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1075 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1024 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1047 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1032 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1042 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1072 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1001 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1087 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VolP

routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1047 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1071 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1050 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1056 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1046 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1038 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1043 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1082 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1082 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1080 (O2 - 4G)

■ Tower healthy

## Tower TWR1022 (EE - LTE)

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

## Tower TWR1074 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1038 (Three - LTE)**

■ Tower healthy

## Tower TWR1010 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1075 (O2 - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1008 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1091 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1010 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1074 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1018 (Three - 4G)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ High latency  $\rightarrow$  Check backhaul/core network; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1041 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1040 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1017 (EE - LTE)

■ Tower healthy

# Tower TWR1000 (Three - 5G)

■ Tower healthy

## Tower TWR1022 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1096 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1085 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1051 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1050 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1040 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1048 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1054 (Three - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1046 (O2 - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1096 (EE - 4G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1046 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1017 (Three - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1018 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1068 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1037 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1040 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1065 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1091 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1031 (Three - LTE)**

■ Tower healthy

#### **Tower TWR1037 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1007 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1092 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1006 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1015 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1062 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1051 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1090 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1004 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1025 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1053 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1059 (O2 - 5G)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1076 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1100 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1035 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1087 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1024 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1003 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1049 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1061 (Vodafone UK - LTE)**

■ Tower healthy

# **Tower TWR1087 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1075 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1096 (Three - 4G)

■ Tower healthy

# Tower TWR1006 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1000 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1028 (EE - 4G)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

# Tower TWR1076 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1033 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1026 (Three - 5G)

■ Tower healthy

# Tower TWR1096 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1087 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1078 (EE - 5G)**

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1015 (EE - 5G)**

■ Tower healthy

#### Tower TWR1002 (Vodafone UK - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1099 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1038 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1042 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1042 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1053 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1064 (O2 - 5G)

■ Tower healthy

# Tower TWR1075 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1064 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1023 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1048 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1045 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1024 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1031 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1016 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1022 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due

→ Replace/upgrade tower

# Tower TWR1058 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1035 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1018 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1081 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1009 (Three - LTE)**

■ Tower healthy

# Tower TWR1027 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1099 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1075 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1034 (Three - 5G)

■ Tower healthy

# Tower TWR1089 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1018 (Three - 5G)

■ Anomaly detected → Send field engineer

# Tower TWR1071 (Vodafone UK - 4G)

■ Tower healthy

# **Tower TWR1057 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1089 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1093 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1076 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1063 (EE - LTE)

■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1091 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1087 (Three - 4G)

■ Tower healthy

# Tower TWR1036 (Three - 5G)

■ Tower healthy

# Tower TWR1069 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1078 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1099 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1022 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1055 (Vodafone UK - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1015 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1058 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1097 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1021 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1072 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1012 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1079 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1094 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1052 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1035 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1015 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1013 (EE - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1044 (O2 - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1069 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

# Tower TWR1083 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1065 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1068 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1014 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# **Tower TWR1071 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1052 (EE - 4G)**

■ Packet loss high → Optimize VolP routing/codecs

# Tower TWR1038 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1071 (Three - 4G)

■ Tower healthy

# Tower TWR1091 (Three - 5G)

■ Tower healthy

# Tower TWR1006 (Three - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1041 (Three - LTE)**

 $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1092 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1027 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1006 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1067 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1057 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1082 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1077 (EE - 4G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1040 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1048 (O2 - LTE)**

■ High latency → Check backhaul/core network

# **Tower TWR1017 (Three - LTE)**

■ Tower healthy

# Tower TWR1005 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1016 (Three - 4G)

■ Tower healthy

# Tower TWR1068 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1034 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1006 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1064 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1082 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1029 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1099 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1062 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1057 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1057 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1051 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1026 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1012 (Vodafone UK - LTE)**

■ Tower healthy

# **Tower TWR1070 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1092 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1060 (O2 - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

#### Tower TWR1024 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1099 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1028 (EE - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1072 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1069 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1033 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1048 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1030 (Vodafone UK - LTE)**

■ Tower healthy

# **Tower TWR1014 (EE - 5G)**

■ Tower healthy

# Tower TWR1090 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1081 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1038 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1094 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1082 (EE - 5G)**

■ Tower healthy

# **Tower TWR1053 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### **Tower TWR1013 (EE - 4G)**

■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1041 (Three - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1088 (Three - 5G)

■ Tower healthy

# Tower TWR1037 (O2 - 5G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1037 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1015 (EE - 5G)**

■ Tower healthy

# Tower TWR1100 (O2 - 5G)

■ Tower healthy

# **Tower TWR1020 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1056 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1047 (EE - 4G)**

■ Tower healthy

# Tower TWR1082 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1029 (Three - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1036 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1023 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1071 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1044 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1071 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1089 (O2 - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1065 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1092 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1085 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1027 (EE - LTE)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

# Tower TWR1087 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1048 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1097 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1014 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1018 (O2 - 5G)

■ Tower healthy

# **Tower TWR1077 (Vodafone UK - LTE)**

■ Tower healthy

# **Tower TWR1090 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1081 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1013 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1055 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1004 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1097 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1016 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1078 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1072 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1043 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1088 (EE - 5G)**

■ High latency → Check backhaul/core network

#### Tower TWR1046 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1053 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1035 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1067 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1012 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1060 (Three - 5G)

■ Tower healthy

# Tower TWR1085 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1065 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1054 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1017 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1083 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1061 (EE - LTE)**

■ Tower healthy

# **Tower TWR1086 (EE - 5G)**

■ High latency → Check backhaul/core network

# Tower TWR1082 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1012 (EE - 4G)**

■ High latency → Check backhaul/core network

# Tower TWR1080 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1021 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1036 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1018 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1006 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1002 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1088 (Vodafone UK - 5G)

■ Tower healthy

# **Tower TWR1082 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1045 (O2 - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1011 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1016 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1016 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1014 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1083 (O2 - 5G)

■ Tower healthy

# Tower TWR1090 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1088 (Three - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1022 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1069 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1030 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1029 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1099 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1067 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1036 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1097 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1046 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1027 (EE - 5G)**

■ Anomaly detected → Send field engineer

# Tower TWR1029 (O2 - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1087 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

# **Tower TWR1047 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1061 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1018 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1072 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1007 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1041 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1049 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1062 (Three - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1051 (Three - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1016 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1054 (Three - 5G)

■ Tower healthy

#### **Tower TWR1019 (EE - 5G)**

■ High latency → Check backhaul/core network

# **Tower TWR1072 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1009 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1007 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1090 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1055 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1095 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1089 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1028 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1061 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1082 (Three - 4G)

■ Tower healthy

# Tower TWR1031 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1083 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1005 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1000 (Three - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1088 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1005 (Three - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1091 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1079 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1082 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1063 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1036 (O2 - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1052 (Three - 5G)

■ Anomaly detected → Send field engineer

# Tower TWR1047 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1033 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1034 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1017 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1084 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1071 (EE - LTE)

■ Tower healthy

# Tower TWR1011 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1048 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1094 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1087 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1048 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1020 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1063 (EE - 4G)**

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1033 (O2 - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1045 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1024 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1000 (Three - LTE)

■ High latency → Check backhaul/core network

# Tower TWR1080 (Three - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1054 (Three - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1047 (Three - LTE)**

■ Tower healthy

## **Tower TWR1091 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1071 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1050 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1007 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1037 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1012 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1022 (O2 - 5G)

■ Tower healthy

# **Tower TWR1084 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1032 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1078 (EE - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1011 (EE - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1069 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1059 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1044 (O2 - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1086 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1085 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1046 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1033 (Three - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1089 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1079 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1072 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1056 (EE - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

#### Tower TWR1099 (Three - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1063 (Vodafone UK - LTE)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1042 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1038 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1010 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1031 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1096 (EE - 4G)**

■ Tower healthy

# Tower TWR1093 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1009 (Three - 4G)

■ Tower healthy

# Tower TWR1063 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1012 (EE - LTE)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1083 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1048 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1063 (Three - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1069 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1039 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1016 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1091 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1020 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1002 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1018 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1083 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1051 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1002 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1085 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1037 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1096 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1055 (Three - 4G)

■ Tower healthy

# **Tower TWR1054 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1085 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1043 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1008 (EE - 5G)

■ Tower healthy

# Tower TWR1024 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1009 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1027 (EE - 5G)**

■ Tower healthy

# **Tower TWR1009 (Vodafone UK - 5G)**

■ Tower healthy

# Tower TWR1096 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1004 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1097 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1019 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1038 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1085 (EE - 4G)**

■ Tower healthy

# Tower TWR1030 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1042 (Three - 4G)

■ Tower healthy

# Tower TWR1037 (O2 - 5G)

■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1096 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1021 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1053 (O2 - LTE)**

■ Tower healthy

# Tower TWR1049 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1094 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1093 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1037 (EE - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1091 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1015 (Three - 4G)

■ Tower healthy

# Tower TWR1058 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1062 (Three - 5G)

■ Tower healthy

#### Tower TWR1030 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

# Tower TWR1063 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1044 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1051 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1059 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1088 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1060 (EE - 4G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1077 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1024 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1011 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1097 (Three - 5G)

■ Tower healthy

# **Tower TWR1091 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1060 (Three - LTE)**

■ Tower healthy

# **Tower TWR1028 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1064 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1076 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1077 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1094 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1039 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1046 (EE - 4G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1060 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1064 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1011 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1009 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1009 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1059 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1019 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1012 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1023 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1008 (O2 - 4G)

■ Tower healthy

# Tower TWR1042 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1081 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1070 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1036 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1031 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1066 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1073 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1093 (EE - 5G)**

■ Tower healthy

## **Tower TWR1023 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1075 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1026 (O2 - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1014 (O2 - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1100 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1020 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1034 (Vodafone UK - 4G)**

■ Tower healthy

# **Tower TWR1010 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1068 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1027 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

# bandwidth

# **Tower TWR1001 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1093 (Three - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1057 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1030 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1058 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1055 (Three - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1070 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1068 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1039 (Three - 4G)

■ Tower healthy

# **Tower TWR1061 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1058 (Three - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1001 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1027 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1066 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1053 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1082 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1044 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1051 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1091 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1052 (Three - LTE)**

■ Tower healthy

# Tower TWR1057 (Three - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1024 (Three - LTE)**

■ Tower healthy

# **Tower TWR1028 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1091 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1083 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1017 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1046 (O2 - LTE)

■ Anomaly detected → Send field engineer

# **Tower TWR1010 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1035 (O2 - 5G)

■ Tower healthy

#### Tower TWR1098 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1012 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1033 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1062 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1088 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1037 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1016 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1068 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1080 (EE - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1036 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1094 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

# routing/codecs

# **Tower TWR1075 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1016 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1020 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1077 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1100 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1050 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1004 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1041 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1100 (Vodafone UK - 4G)

■ Tower healthy

#### **Tower TWR1038 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1013 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1003 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1017 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1024 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1010 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1024 (Three - LTE)**

■ Tower healthy

# Tower TWR1006 (Three - 5G)

■ Tower healthy

# Tower TWR1083 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1002 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (Three - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1043 (Three - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1052 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1010 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1046 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1060 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1045 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1094 (O2 - 5G)

■ Tower healthy

#### Tower TWR1080 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1007 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1028 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1016 (O2 - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1070 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1033 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1076 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1082 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1042 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1098 (Vodafone UK - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1020 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1082 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1088 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1023 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1010 (EE - 5G)**

■ High latency → Check backhaul/core network

# Tower TWR1080 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1047 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1031 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1013 (EE - LTE)**

■ Tower healthy

# Tower TWR1013 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1082 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1099 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1042 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1081 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1008 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1066 (EE - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1039 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1067 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1063 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1019 (Three - 5G)

■ Anomaly detected → Send field engineer

# **Tower TWR1054 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1015 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1003 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1084 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1084 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1089 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1049 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1032 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1009 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1084 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1086 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1062 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1036 (Three - 4G)

■ Tower healthy

# Tower TWR1040 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1016 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1035 (Three - 4G)

■ Tower healthy

# Tower TWR1031 (EE - LTE)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1053 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1098 (EE - 4G)**

■ Tower healthy

# Tower TWR1055 (Three - 5G)

■ Tower healthy

# Tower TWR1040 (O2 - 4G)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1031 (Vodafone UK - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1022 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1048 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1052 (EE - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1004 (EE - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1015 (Three - LTE)**

■ High latency → Check backhaul/core network

# **Tower TWR1070 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

# **Tower TWR1067 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1014 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1064 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1009 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1029 (O2 - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1004 (Three - LTE)**

■ Tower healthy

# Tower TWR1042 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1064 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1007 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1049 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1050 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1029 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1044 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1004 (Three - 4G)

■ Tower healthy

# Tower TWR1010 (Three - 4G)

■ Tower healthy

# **Tower TWR1037 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1000 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1010 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1086 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1095 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1080 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1078 (EE - 4G)**

■ Tower healthy

# Tower TWR1062 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1004 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1086 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1079 (EE - LTE)

■ Tower healthy

# Tower TWR1060 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1017 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1040 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1095 (O2 - LTE)

■ Tower healthy

# Tower TWR1011 (EE - LTE)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1000 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1093 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1058 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1099 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1026 (EE - 4G)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1006 (EE - 5G)

■ Tower healthy

# Tower TWR1055 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1047 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1047 (EE - 4G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1038 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1028 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1068 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1076 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1088 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1051 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1039 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1041 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1022 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1080 (O2 - 4G)

■ Tower healthy

# **Tower TWR1013 (EE - 4G)**

■ Tower healthy

# Tower TWR1078 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1096 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1087 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# **Tower TWR1008 (Vodafone UK - LTE)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1088 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1036 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1057 (EE - LTE)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1077 (EE - LTE)

■ High latency → Check backhaul/core network

#### Tower TWR1040 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1041 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1063 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1023 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1083 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1004 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1006 (O2 - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1054 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1079 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1074 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1089 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1047 (O2 - 5G)

■ Tower healthy

# **Tower TWR1044 (Vodafone UK - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1026 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1050 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1062 (EE - 5G)**

■ Tower healthy

# **Tower TWR1046 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1062 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1081 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1047 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1070 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1098 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1016 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1006 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1011 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1004 (O2 - 4G)

■ Tower healthy

# Tower TWR1013 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1005 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1030 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1052 (EE - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1010 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1024 (EE - 5G)**

■ Anomaly detected → Send field engineer

# **Tower TWR1067 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1050 (O2 - 5G)

■ Tower healthy

#### **Tower TWR1094 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1092 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1084 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1013 (Vodafone UK - 4G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1087 (O2 - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1076 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1009 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1009 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1034 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1059 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1084 (Three - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

#### **Tower TWR1019 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1012 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1021 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1096 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1023 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1037 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1075 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1093 (EE - 4G)**

■ Tower healthy

# **Tower TWR1043 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1073 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1098 (O2 - 4G)

■ Tower healthy

# Tower TWR1064 (Three - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1065 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1058 (Three - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1006 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1043 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1039 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1089 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1094 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1048 (EE - 4G)**

■ High latency → Check backhaul/core network

# Tower TWR1035 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1058 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1084 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1088 (Three - 4G)

■ Tower healthy

# Tower TWR1091 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1066 (EE - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1005 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1044 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1029 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1030 (Three - LTE)**

■ Tower healthy

# Tower TWR1077 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1018 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1098 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1033 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1026 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1100 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1093 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1039 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1013 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1054 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1010 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1024 (Three - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1034 (O2 - 5G)

■ Tower healthy

# Tower TWR1097 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1045 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1012 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1021 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1078 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1093 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1071 (EE - LTE)

■ Tower healthy

#### Tower TWR1036 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1021 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1047 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1003 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1083 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1043 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1035 (O2 - LTE)**

■ Tower healthy

# Tower TWR1099 (O2 - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\to$  Send field engineer

# **Tower TWR1040 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1012 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1100 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1012 (O2 - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1005 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1058 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1018 (O2 - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1029 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1022 (Vodafone UK - 5G)

■ Tower healthy

# **Tower TWR1069 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1029 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1030 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1031 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1050 (EE - 4G)**

■ Anomaly detected → Send field engineer

# **Tower TWR1089 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (Three - 4G)

■ Tower healthy

# Tower TWR1044 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1011 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1072 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1055 (Three - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1016 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1061 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1053 (O2 - 5G)

■ Tower healthy

# **Tower TWR1048 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1092 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

# Tower TWR1083 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1065 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1024 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1003 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1081 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1074 (Three - LTE)**

■ Tower healthy

# Tower TWR1008 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1009 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1074 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1078 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1064 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1076 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1046 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1047 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1065 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1062 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1079 (Vodafone UK - 4G)

 $\blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

# Tower TWR1034 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1087 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1090 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1061 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due →

# Replace/upgrade tower

# Tower TWR1004 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1026 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1060 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1069 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1024 (Three - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1083 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1081 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1062 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1092 (Vodafone UK - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1068 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1006 (O2 - LTE)

■ High latency → Check backhaul/core network

# **Tower TWR1083 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1014 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1077 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1030 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1015 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1041 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1078 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1051 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1069 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1046 (Three - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1030 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1022 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1078 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1060 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VolP

routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1060 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1069 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1061 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1083 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1019 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1033 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1057 (O2 - LTE)**

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1002 (O2 - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1048 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1016 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1062 (Three - 5G)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

# Tower TWR1011 (O2 - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1072 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1029 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1040 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1002 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1000 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1007 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1055 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1019 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1003 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1008 (Vodafone UK - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1067 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1030 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1006 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1034 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1052 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### **Tower TWR1024 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1062 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1038 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1073 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1082 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1010 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1078 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1004 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1070 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1036 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1094 (O2 - LTE)**

■ Tower healthy

#### Tower TWR1081 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1073 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1006 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

#### Tower TWR1024 (O2 - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1062 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1067 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1076 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1040 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1053 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1097 (O2 - 4G)

■ Tower healthy

#### Tower TWR1005 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1021 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1038 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1062 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1041 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1082 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1087 (O2 - LTE)**

■ Tower healthy

# **Tower TWR1018 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1093 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1046 (EE - LTE)

■ Tower healthy

# **Tower TWR1007 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1008 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1010 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1038 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1036 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1063 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1090 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1032 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1017 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1082 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1057 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1096 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1039 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1072 (O2 - 5G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

# Tower TWR1098 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1068 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1050 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1016 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\to$  Send field engineer

# **Tower TWR1043 (O2 - LTE)**

■ Tower healthy

#### **Tower TWR1036 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1065 (O2 - 5G)

■ Tower healthy

# Tower TWR1070 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1095 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1077 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1055 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1068 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1060 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1100 (EE - 5G)**

■ Tower healthy

# **Tower TWR1010 (EE - 4G)**

■ Tower healthy

# Tower TWR1030 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1030 (Three - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1062 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1078 (O2 - LTE)

■ High latency → Check backhaul/core network

#### **Tower TWR1016 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1099 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1016 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1022 (EE - LTE)

■ Tower healthy

# Tower TWR1000 (EE - 5G)

■ Tower healthy

# Tower TWR1030 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1078 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1069 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1078 (O2 - LTE)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1070 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1070 (Three - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

# Tower TWR1012 (O2 - 5G)

■ Tower healthy

# Tower TWR1049 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

# routing/codecs

# Tower TWR1080 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1098 (Vodafone UK - 5G)

■ Tower healthy

#### **Tower TWR1048 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1062 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1063 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1049 (Three - 5G)

■ Anomaly detected → Send field engineer

# **Tower TWR1089 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1038 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1020 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1042 (Vodafone UK - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1005 (EE - LTE)

■ High latency → Check backhaul/core network

# **Tower TWR1092 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1057 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1053 (EE - 5G)**

■ Tower healthy

#### **Tower TWR1059 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1010 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1033 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1072 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1077 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1041 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1023 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1025 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1016 (Vodafone UK - 4G)

lacktriangle High jitter ightarrow Review routing paths / bandwidth

# Tower TWR1008 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1056 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1084 (EE - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1022 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

# routing/codecs

# Tower TWR1053 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1027 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1014 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1045 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

# Tower TWR1067 (Three - 4G)

■ Tower healthy

#### Tower TWR1004 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1050 (O2 - 4G)

■ Tower healthy

# Tower TWR1003 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1095 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1060 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1088 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1091 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1002 (EE - 4G)**

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1083 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1018 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1087 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1001 (EE - 5G)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1007 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1002 (Vodafone UK - 4G)

■ Tower healthy

# **Tower TWR1002 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1094 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1075 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1045 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1080 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1072 (EE - LTE)

■ High latency → Check backhaul/core network

# **Tower TWR1091 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1089 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1088 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1006 (O2 - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

#### Tower TWR1092 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1063 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1084 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1061 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1080 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1055 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1095 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1099 (Three - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1018 (EE - LTE)

■ Tower healthy

#### **Tower TWR1072 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1061 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1046 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1041 (EE - 4G)**

■ Tower healthy

# Tower TWR1009 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# **Tower TWR1026 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1076 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1072 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1058 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1057 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1029 (EE - 4G)**

■ High latency → Check backhaul/core network

# Tower TWR1068 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1028 (Three - LTE)**

■ Tower healthy

### **Tower TWR1085 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1094 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1061 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1098 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1013 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1000 (EE - LTE)

■ Tower healthy

## Tower TWR1041 (Three - 4G)

■ Tower healthy

### Tower TWR1073 (O2 - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1048 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1065 (O2 - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1063 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1090 (EE - 4G)**

■ Tower healthy

# Tower TWR1080 (Three - 4G)

■ Tower healthy

### Tower TWR1093 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

### bandwidth

## **Tower TWR1058 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1012 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

### Tower TWR1003 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1065 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1035 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1018 (Vodafone UK - 5G)**

■ Tower healthy

### **Tower TWR1094 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1031 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1009 (Vodafone UK - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1039 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1075 (Three - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1062 (Three - LTE)**

■ Tower healthy

#### Tower TWR1037 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1074 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1041 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1006 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1034 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1079 (O2 - 5G)

■ Tower healthy

## Tower TWR1007 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1028 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### **Tower TWR1042 (Three - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1019 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1067 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1022 (EE - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1033 (O2 - 4G)

 $\blacksquare \blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1073 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1075 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

## **Tower TWR1083 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1038 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1014 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1089 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1038 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1007 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1026 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1084 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1062 (EE - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1083 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1055 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1095 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1050 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1074 (Three - 5G)

■ Tower healthy

### **Tower TWR1057 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1038 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1035 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1025 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1004 (Three - 4G)

■ Tower healthy

# **Tower TWR1005 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1026 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1048 (Vodafone UK - 4G)**

■ Tower healthy

#### Tower TWR1073 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1062 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1044 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1070 (EE - LTE)

■ Tower healthy

#### Tower TWR1097 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1031 (EE - 4G)**

■ High latency → Check backhaul/core network

## Tower TWR1083 (Three - 4G)

■ Tower healthy

### **Tower TWR1001 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1008 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1022 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1075 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1098 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1074 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1082 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1045 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1079 (EE - LTE)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network}$ 

### Tower TWR1003 (O2 - LTE)

■ Tower healthy

#### Tower TWR1067 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1053 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1042 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1097 (Vodafone UK - 5G)

■ Tower healthy

### Tower TWR1028 (O2 - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1090 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1086 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1007 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1098 (O2 - 5G)

■ Tower healthy

#### **Tower TWR1019 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1039 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1052 (O2 - LTE)**

■ Tower healthy

### Tower TWR1035 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1034 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1075 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1049 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1093 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1036 (O2 - LTE)

■■ Tower overloaded → Add capacity / load balancing

### **Tower TWR1042 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1097 (EE - 4G)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1002 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1061 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1003 (O2 - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1054 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1049 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1064 (O2 - 4G)

■ Tower healthy

### Tower TWR1043 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1083 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1008 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing

#### **Tower TWR1047 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1072 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1031 (O2 - 5G)

■ Tower healthy

### **Tower TWR1092 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1016 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1045 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1062 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1001 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1011 (Three - 5G)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

# **Tower TWR1011 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1038 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1035 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1015 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1079 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1022 (O2 - 4G)

■ Tower healthy

### Tower TWR1073 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1099 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1047 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1056 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1051 (Three - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1079 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1004 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1013 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1014 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1032 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1074 (Three - 5G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1099 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1003 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1043 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### **Tower TWR1022 (O2 - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1035 (O2 - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1056 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1003 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1048 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1010 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1030 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1019 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1066 (O2 - 5G)

■ Tower healthy

#### Tower TWR1015 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1062 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1019 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1026 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1037 (O2 - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1029 (EE - LTE)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1006 (Vodafone UK - LTE)

 $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1076 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1084 (Vodafone UK - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\to$  Send field engineer

## **Tower TWR1098 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1059 (O2 - 4G)

■ Tower healthy

#### Tower TWR1044 (O2 - LTE)

■ Tower healthy

### Tower TWR1009 (EE - LTE)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1085 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1034 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1072 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1008 (EE - LTE)

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### **Tower TWR1059 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1017 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1016 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### **Tower TWR1098 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1063 (EE - 4G)**

■ High latency → Check backhaul/core network

## Tower TWR1042 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1020 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### Tower TWR1027 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1093 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1064 (Vodafone UK - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

#### Tower TWR1069 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1099 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1009 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1063 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1033 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1099 (Vodafone UK - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1034 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1029 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1074 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1012 (O2 - LTE)**

■ Tower healthy

## Tower TWR1047 (Vodafone UK - 4G)

■ Tower healthy

#### **Tower TWR1030 (EE - 4G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1034 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1020 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1075 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1071 (EE - 5G)**

■ High latency → Check backhaul/core network

## **Tower TWR1087 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1100 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1096 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1061 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1040 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1096 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

### routing/codecs

## Tower TWR1051 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1081 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1083 (Three - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1041 (EE - 4G)**

■ Tower healthy

### Tower TWR1067 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### Tower TWR1075 (Vodafone UK - 5G)

■ Tower healthy

### Tower TWR1062 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1031 (Three - LTE)**

■ Tower healthy

### **Tower TWR1067 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1032 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1068 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1027 (O2 - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1021 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1060 (Vodafone UK - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1069 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

### **Tower TWR1006 (Vodafone UK - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1016 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1045 (O2 - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1088 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1010 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1002 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1080 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1099 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1071 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1038 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1078 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1031 (O2 - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP

### routing/codecs

## **Tower TWR1054 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1093 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1078 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1073 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1093 (EE - 4G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1057 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1069 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1063 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1055 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1078 (Three - 5G)

■ Tower healthy

# Tower TWR1086 (O2 - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1020 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1089 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1080 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1048 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1006 (Three - LTE)

■ Anomaly detected → Send field engineer

### **Tower TWR1032 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1015 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1087 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1014 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1000 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1019 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1046 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1076 (Three - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1055 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1076 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1056 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1084 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1049 (O2 - 4G)

■ Tower healthy

### Tower TWR1027 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1026 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1064 (Three - 4G)

■ Tower healthy

### Tower TWR1047 (O2 - 4G)

■ Tower healthy

#### Tower TWR1100 (EE - LTE)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network}$ 

## Tower TWR1029 (Three - LTE)

■ Anomaly detected → Send field engineer

### Tower TWR1044 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### **Tower TWR1050 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1034 (Three - LTE)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1096 (O2 - 5G)

■ Tower healthy

### Tower TWR1059 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1087 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1057 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1036 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1074 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1032 (O2 - LTE)**

■ Tower healthy

### **Tower TWR1044 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1043 (O2 - 5G)

■ Tower healthy

# Tower TWR1083 (Three - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1088 (O2 - 4G)

■ Tower healthy

# Tower TWR1067 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1067 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1036 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1081 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1049 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### Tower TWR1085 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1091 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1027 (EE - 4G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1083 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1031 (EE - 5G)**

■ Tower healthy

## Tower TWR1066 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1077 (Three - LTE)**

■ Tower healthy

#### **Tower TWR1012 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

## **Tower TWR1017 (EE - 4G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1025 (EE - 5G)**

■ Tower healthy

### Tower TWR1042 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1012 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1037 (EE - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### **Tower TWR1017 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1091 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1081 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1048 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1013 (Three - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1054 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1096 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1002 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1019 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1073 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1007 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1033 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1052 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

### routing/codecs

## Tower TWR1049 (Vodafone UK - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1049 (O2 - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1038 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1037 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1019 (Three - LTE)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

#### Tower TWR1073 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1064 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1013 (O2 - LTE)

■ Tower healthy

# Tower TWR1023 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1049 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1048 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1041 (Three - 5G)

■ Tower healthy

#### Tower TWR1074 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

### routing/codecs

# **Tower TWR1089 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1074 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1024 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### **Tower TWR1089 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1029 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1051 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1059 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1019 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1050 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1064 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1009 (EE - 5G)**

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### Tower TWR1016 (Vodafone UK - 5G)

■ Tower healthy

### Tower TWR1100 (O2 - 4G)

■ Tower healthy

#### Tower TWR1073 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1018 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1065 (EE - 5G)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1096 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1075 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1070 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1026 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1059 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1029 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1032 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1040 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\to$  Send field engineer

## Tower TWR1075 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1012 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1006 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1019 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1072 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1092 (O2 - 4G)

■ High latency → Check backhaul/core network

#### **Tower TWR1056 (Vodafone UK - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1013 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1050 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1090 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1065 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1027 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1057 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1090 (O2 - 4G)

■ Tower healthy

### Tower TWR1064 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1049 (Vodafone UK - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1028 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1012 (Three - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1018 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1010 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1039 (Three - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1092 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1083 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1095 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1048 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1047 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1040 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### Tower TWR1062 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1090 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1023 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1079 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1024 (EE - LTE)

■ Anomaly detected → Send field engineer

### Tower TWR1048 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1061 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1089 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1050 (Three - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1060 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1031 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1085 (Three - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1060 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1046 (Three - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1095 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1011 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1094 (EE - 4G)**

■ Tower healthy

### Tower TWR1056 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1034 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1014 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1059 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1006 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1011 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1086 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1028 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1016 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1058 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1044 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1077 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1083 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1030 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1011 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1042 (Vodafone UK - LTE)**

■ Tower healthy

### **Tower TWR1007 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1092 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1075 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1064 (EE - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1072 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1008 (EE - 5G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1075 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1070 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1081 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1074 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1065 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1081 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1010 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1038 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1095 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1026 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1002 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### **Tower TWR1050 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1004 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1020 (Three - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1048 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

### **Tower TWR1058 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1087 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1079 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1035 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1088 (Vodafone UK - 5G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1075 (O2 - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1067 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1032 (EE - LTE)

■ Tower healthy

## Tower TWR1008 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1073 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1093 (Three - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1069 (Three - 5G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1072 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP

### routing/codecs

## **Tower TWR1087 (EE - 4G)**

■ High latency → Check backhaul/core network

## **Tower TWR1046 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1077 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1089 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1044 (O2 - LTE)

■ Tower healthy

### **Tower TWR1067 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1023 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1033 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1053 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1057 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1034 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1076 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1022 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1093 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1031 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1071 (O2 - LTE)**

■ High latency → Check backhaul/core network

### **Tower TWR1037 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1014 (EE - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1022 (Vodafone UK - 5G)

■ Tower healthy

# **Tower TWR1038 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1007 (O2 - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1047 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1036 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1098 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1065 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1056 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1004 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1084 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1100 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1062 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1042 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1013 (O2 - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1069 (Three - 4G)

■ Tower healthy

### Tower TWR1025 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### **Tower TWR1029 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1092 (EE - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### **Tower TWR1057 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1084 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1036 (Vodafone UK - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1023 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1015 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1062 (Three - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1045 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1028 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1063 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1076 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1030 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1027 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1029 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1076 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1051 (EE - 4G)**

■ High latency → Check backhaul/core network

## Tower TWR1080 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth;

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1038 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1027 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1024 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1084 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1020 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1049 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1052 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1039 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1015 (EE - 5G)**

■ Tower healthy

# Tower TWR1032 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1046 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1077 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1019 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1024 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1056 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1056 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1089 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1055 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1094 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1050 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1085 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1092 (EE - LTE)

■ High latency → Check backhaul/core network

## Tower TWR1004 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1066 (EE - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1089 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1071 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1063 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1037 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1028 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1021 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1087 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1030 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1042 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1063 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1077 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1037 (Three - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1067 (Three - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1075 (Three - LTE)**

■ Tower healthy

## Tower TWR1011 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1039 (Three - 4G)

■ Tower healthy

## **Tower TWR1068 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1059 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1023 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1061 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1021 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1077 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1026 (Three - 5G)

■ Tower healthy

## **Tower TWR1005 (O2 - LTE)**

■ Tower healthy

## Tower TWR1088 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1062 (Three - 4G)

■ Tower healthy

## Tower TWR1051 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1064 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1068 (Three - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1037 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1004 (EE - LTE)

■ Tower healthy

## Tower TWR1095 (Three - 4G)

■ Tower healthy

## **Tower TWR1030 (EE - 4G)**

■ High latency → Check backhaul/core network

## **Tower TWR1043 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1001 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1075 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1020 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1054 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1051 (EE - 5G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1060 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1058 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1092 (Three - 5G)

■ Tower healthy

## Tower TWR1003 (Vodafone UK - 4G)

■ Tower healthy

## Tower TWR1088 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1086 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1100 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1071 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1024 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1082 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1027 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1086 (EE - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1022 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1075 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1061 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1035 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1013 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1000 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1042 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1046 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1020 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1059 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1093 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1028 (EE - 4G)**

■ Tower healthy

## **Tower TWR1004 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1086 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1010 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1003 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1003 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1043 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1041 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## **Tower TWR1028 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1043 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1017 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1073 (Three - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1012 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1090 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1039 (Vodafone UK - LTE)**

■ Tower healthy

#### Tower TWR1058 (Vodafone UK - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1060 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1087 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1044 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1013 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1038 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1023 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1017 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1001 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1038 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1042 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## **Tower TWR1089 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1081 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1066 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1066 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1038 (O2 - 4G)

■ High latency → Check backhaul/core network;
 ■ Packet loss high → Optimize VoIP routing/codecs;
 ■ High jitter → Review routing paths / bandwidth;
 ■ Old tower + maintenance due → Replace/upgrade tower;
 ■ Anomaly detected → Send field engineer

# **Tower TWR1030 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1062 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1048 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1096 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1097 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1063 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1045 (EE - 5G)**

■ Tower healthy

## Tower TWR1064 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1041 (Three - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1002 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1037 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1075 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1073 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

## Tower TWR1005 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1058 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1026 (Three - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1011 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1061 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1051 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1087 (Three - LTE)**

■ Tower healthy

## **Tower TWR1050 (EE - 4G)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1091 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1037 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1001 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1016 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1083 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1027 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1020 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1070 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1009 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1084 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1021 (Three - 4G)

■ Tower healthy

## Tower TWR1061 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1029 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1007 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1080 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1002 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1012 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1000 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1092 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1081 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1084 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

## Replace/upgrade tower

# **Tower TWR1003 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1074 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1005 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1025 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1032 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1019 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1003 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## **Tower TWR1048 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1051 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1051 (Three - 4G)

■ Tower healthy

## Tower TWR1067 (O2 - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1020 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1096 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1039 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1036 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1079 (EE - 5G)**

■ Tower healthy

## **Tower TWR1016 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1024 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1071 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1011 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1025 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1046 (Three - 4G)

 $\blacksquare\blacksquare$  Tower overloaded  $\to$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1004 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1011 (O2 - 5G)

■ Tower healthy

## Tower TWR1084 (Vodafone UK - 4G)

■ Anomaly detected → Send field engineer

## Tower TWR1029 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1064 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1092 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1014 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1001 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1028 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1077 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1032 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1091 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1098 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1081 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1085 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1083 (EE - 4G)**

■ High latency → Check backhaul/core network

## **Tower TWR1098 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1091 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1072 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1071 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1039 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1016 (EE - 4G)**

■ Tower healthy

## Tower TWR1090 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1058 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1001 (Three - LTE)**

■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1086 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1047 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

## Tower TWR1078 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1062 (Vodafone UK - LTE)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1097 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1053 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

## Replace/upgrade tower

## Tower TWR1070 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1076 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1058 (O2 - LTE)**

■ Tower healthy

## **Tower TWR1047 (Three - LTE)**

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1061 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1099 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1035 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1005 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1037 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1072 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1066 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1030 (EE - 5G)**

■ Tower healthy

## **Tower TWR1085 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1070 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1098 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1056 (Three - 4G)

■ Tower healthy

## Tower TWR1083 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1071 (EE - LTE)

■ Tower healthy

## Tower TWR1042 (O2 - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

## **Tower TWR1092 (O2 - LTE)**

■ Tower healthy

## Tower TWR1033 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1015 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1053 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1044 (EE - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1037 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1047 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1042 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1091 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1094 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1062 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1088 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1066 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1003 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1048 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1005 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1014 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1071 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1091 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1063 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1070 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1034 (EE - 5G)**

■ Tower healthy

## **Tower TWR1008 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1079 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1098 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1051 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1059 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1088 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1090 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1091 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1021 (EE - 4G)**

■ High latency → Check backhaul/core network

## **Tower TWR1070 (Three - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1028 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1026 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

## Replace/upgrade tower

# Tower TWR1057 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1094 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1006 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1031 (EE - 4G)**

■ Tower healthy

## Tower TWR1021 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1079 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1033 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1028 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1069 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1076 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1071 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1080 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1082 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

## bandwidth

## Tower TWR1022 (Three - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1048 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1091 (Three - 5G)

■ Tower healthy

#### **Tower TWR1031 (EE - 4G)**

■ Tower healthy

## **Tower TWR1019 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1037 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1068 (EE - 5G)**

■ Tower healthy

## Tower TWR1042 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1048 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1083 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1007 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1052 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## **Tower TWR1038 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1047 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1026 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1006 (Three - 4G)

 $\blacksquare\blacksquare$  Tower overloaded  $\to$  Add capacity / load balancing;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## **Tower TWR1083 (Three - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1022 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1079 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1047 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1061 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1066 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1006 (EE - 5G)

■ Tower healthy

## Tower TWR1087 (Three - 5G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1082 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1084 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1068 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1089 (O2 - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1041 (O2 - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1088 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1050 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1068 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1008 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1098 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1009 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1095 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1058 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network

# **Tower TWR1056 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1037 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1086 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1049 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1094 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1052 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1073 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1025 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1033 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1095 (Vodafone UK - 5G)**

■ Tower healthy

## **Tower TWR1040 (EE - 4G)**

 $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1000 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1079 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1040 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1086 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1029 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1036 (EE - 5G)**

■ High latency → Check backhaul/core network

## **Tower TWR1037 (EE - 5G)**

■ Tower healthy

## **Tower TWR1054 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1089 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1020 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1045 (Three - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1071 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1010 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1042 (EE - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1098 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1098 (O2 - 5G)

■ Tower healthy

### **Tower TWR1094 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1000 (Vodafone UK - LTE)

■ Tower healthy

#### Tower TWR1098 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1094 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1069 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1005 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1091 (Vodafone UK - LTE)

■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## Tower TWR1040 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1033 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1048 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1056 (EE - LTE)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ High latency  $\rightarrow$  Check backhaul/core network; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1044 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1049 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1100 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1096 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1094 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1027 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1010 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1068 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1066 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1079 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1091 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1053 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1069 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1028 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1066 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1060 (O2 - LTE)

■ Tower healthy

## **Tower TWR1083 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1029 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1079 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1028 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1079 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1014 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1048 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1022 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1027 (EE - 5G)**

■ Tower healthy

## **Tower TWR1020 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1054 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1085 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1058 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1073 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1100 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1049 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1066 (EE - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1040 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1066 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1054 (Vodafone UK - 4G)

■ Tower healthy

## Tower TWR1016 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1028 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1065 (EE - 5G)**

■ Anomaly detected → Send field engineer

#### Tower TWR1092 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1044 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1088 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1006 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1073 (Three - 4G)

■ Tower healthy

#### **Tower TWR1043 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1008 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1017 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1010 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1034 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1084 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1038 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1006 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1012 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1040 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1012 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1073 (EE - LTE)

■ Tower healthy

## **Tower TWR1073 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1026 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1083 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1034 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1084 (O2 - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1064 (EE - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## **Tower TWR1048 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1098 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1053 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1005 (EE - 4G)**

■ High latency → Check backhaul/core network

## **Tower TWR1038 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1020 (Vodafone UK - 4G)

■ Tower healthy

## Tower TWR1100 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1094 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1030 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1062 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1026 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1062 (Three - 4G)

■ Tower healthy

## Tower TWR1009 (Three - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower; Anomaly detected → Send field engineer

#### Tower TWR1065 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1071 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1033 (O2 - LTE)**

■ Tower healthy

## **Tower TWR1044 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1061 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1047 (Three - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1098 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1090 (O2 - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1010 (EE - 4G)**

■ Tower healthy

## **Tower TWR1050 (Three - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1075 (EE - LTE)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1086 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1095 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1088 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1057 (O2 - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1057 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1076 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1044 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1063 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1044 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1084 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1046 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1038 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1036 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1044 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1019 (EE - LTE)

 $\blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

## Tower TWR1087 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1099 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1036 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1010 (EE - 4G)**

■ Tower healthy

#### Tower TWR1015 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1026 (O2 - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1021 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1071 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1006 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1096 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1043 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1031 (EE - LTE)

■ Tower healthy

# **Tower TWR1024 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1007 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1067 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1092 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1011 (O2 - LTE)**

■ Tower healthy

#### **Tower TWR1075 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1072 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1096 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1023 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1070 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1041 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1000 (EE - 4G)**

■ High latency → Check backhaul/core network

#### **Tower TWR1059 (EE - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1087 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1005 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1071 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1067 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1057 (Vodafone UK - 4G)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

# Tower TWR1028 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1004 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1090 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1039 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

#### **Tower TWR1022 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1015 (O2 - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1077 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1068 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1099 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1091 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1012 (EE - 5G)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1043 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1036 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1014 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1100 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1089 (Vodafone UK - LTE)**

■ Tower healthy

# **Tower TWR1084 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1021 (EE - 4G)**

■ Tower healthy

# **Tower TWR1010 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1058 (Three - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1018 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1054 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1035 (EE - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1088 (Three - LTE)**

■ Tower healthy

# Tower TWR1005 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1045 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1012 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1003 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1054 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1092 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1048 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1044 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1038 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1049 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1044 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1004 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1044 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1069 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1056 (EE - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field

# engineer

# **Tower TWR1030 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1090 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1027 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1024 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1029 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1068 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1048 (EE - 5G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1068 (EE - 5G)**

■ High latency → Check backhaul/core network

# **Tower TWR1002 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1009 (Three - 4G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1078 (O2 - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1061 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1018 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1034 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1096 (O2 - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1054 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1085 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1066 (Three - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1012 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1096 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1023 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1088 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1027 (Three - LTE)**

■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1006 (Vodafone UK - LTE)**

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

# Tower TWR1010 (Three - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1073 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1069 (Three - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1033 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1034 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1058 (EE - 4G)**

■ Tower healthy

# **Tower TWR1099 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1078 (Three - 5G)

■ Tower healthy

# Tower TWR1064 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1027 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1002 (O2 - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1018 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1087 (EE - LTE)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1002 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1053 (EE - 5G)**

■ Tower healthy

# Tower TWR1098 (EE - LTE)

■ Tower healthy

#### **Tower TWR1055 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1056 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1006 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1048 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1024 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1059 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1011 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1053 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1098 (O2 - LTE)**

■ Tower healthy

# Tower TWR1059 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1036 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1096 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1048 (O2 - 5G)

■ Tower healthy

#### **Tower TWR1041 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1035 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1014 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1040 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1067 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1029 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1050 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1055 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# **Tower TWR1022 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1097 (EE - LTE)

■ High latency → Check backhaul/core network

#### Tower TWR1086 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1014 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1007 (EE - LTE)

■ Tower healthy

#### Tower TWR1064 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

# **Tower TWR1069 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1041 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1006 (O2 - LTE)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1013 (EE - 5G)**

■ High latency → Check backhaul/core network

# **Tower TWR1066 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1079 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1066 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1077 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1037 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1038 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1085 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1028 (O2 - 5G)

■ Tower healthy

# **Tower TWR1029 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

# bandwidth

# Tower TWR1051 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1040 (EE - LTE)**

■ Tower healthy

# **Tower TWR1016 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1054 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1098 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1002 (EE - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1061 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1030 (O2 - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1059 (Three - LTE)**

■ Tower healthy

# Tower TWR1027 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1048 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1012 (O2 - 4G)

■ Tower healthy

#### Tower TWR1058 (O2 - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1044 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1038 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1070 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1044 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1070 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1031 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1052 (Three - 5G)

■ Tower healthy

# **Tower TWR1097 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1050 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1031 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1076 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1058 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1002 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

# **Tower TWR1009 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1059 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1085 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1028 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1021 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1013 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1099 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1019 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1076 (Vodafone UK - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1087 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1029 (Vodafone UK - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1033 (Three - LTE)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1013 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

# bandwidth

# Tower TWR1078 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1075 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1001 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1083 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1042 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1077 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1009 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1016 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1052 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1018 (Three - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1051 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1060 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1065 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1028 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1034 (Three - 5G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1013 (Three - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1007 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1038 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1063 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1061 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1009 (Three - LTE)**

■ Tower healthy

# **Tower TWR1041 (EE - 5G)**

■■ Tower overloaded → Add capacity / load balancing; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1051 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1051 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1023 (Vodafone UK - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1042 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1078 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1001 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1061 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1032 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1074 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1088 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1039 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1004 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1080 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1012 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1025 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1086 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

# Tower TWR1062 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1000 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1072 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1078 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1077 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1099 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1065 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1024 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1013 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1093 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1001 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1073 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1081 (EE - LTE)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1003 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1060 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1077 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1016 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1058 (EE - 4G)**

■ Tower healthy

#### **Tower TWR1022 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1093 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1046 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1090 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1081 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1012 (Three - 4G)

■ Tower healthy

# Tower TWR1085 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1092 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due →

# Replace/upgrade tower

# Tower TWR1090 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (O2 - 4G)

■ Tower healthy

# **Tower TWR1084 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1071 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1060 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1006 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1022 (Vodafone UK - 4G)

■ Tower healthy

# **Tower TWR1092 (Vodafone UK - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1095 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1091 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1088 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1026 (O2 - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1012 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1012 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1001 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1058 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1046 (Three - 5G)

■ Anomaly detected → Send field engineer

# Tower TWR1037 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1089 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1072 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1063 (O2 - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1088 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1049 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1077 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1088 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1047 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

#### Tower TWR1024 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1030 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1098 (O2 - 5G)

■ High latency → Check backhaul/core network

#### **Tower TWR1046 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1054 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1028 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1074 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1097 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1000 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1056 (Three - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

# **Tower TWR1001 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1094 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

# bandwidth

# **Tower TWR1004 (Three - LTE)**

■■ Tower overloaded → Add capacity / load balancing

# **Tower TWR1073 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1026 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1084 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1078 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1062 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1084 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1097 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1093 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1077 (EE - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1010 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1063 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1058 (Three - 4G)

■ High latency → Check backhaul/core network

#### **Tower TWR1019 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1001 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1030 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1049 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1052 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1062 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1074 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1072 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1087 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1006 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1003 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1068 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1070 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

# Tower TWR1014 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1088 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1057 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1029 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1015 (O2 - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1091 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1078 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1048 (EE - LTE)

■ High latency → Check backhaul/core network

# Tower TWR1096 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1066 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1004 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1098 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1097 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1034 (EE - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1023 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1053 (Vodafone UK - 5G)

■ Tower healthy

# **Tower TWR1045 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1073 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1021 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1041 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1014 (Vodafone UK - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1036 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1038 (O2 - 4G)

■ Tower healthy

# Tower TWR1004 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1038 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

# Replace/upgrade tower

# Tower TWR1027 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1049 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1057 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1092 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1081 (Vodafone UK - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1025 (O2 - 5G)

■ Tower healthy

# Tower TWR1078 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1056 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1044 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1030 (Three - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1015 (EE - 4G)**

 $\blacksquare\blacksquare$  Tower overloaded  $\to$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1005 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

# Tower TWR1038 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1062 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1050 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1077 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1080 (EE - LTE)

■ Tower healthy

# **Tower TWR1089 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1010 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1099 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1013 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1058 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1012 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1056 (Three - 4G)

■ Tower healthy

# Tower TWR1066 (EE - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1009 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1004 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1006 (Three - 4G)

■ Tower healthy

# Tower TWR1093 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1054 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1086 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1036 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

#### **Tower TWR1035 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1089 (Three - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1006 (EE - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1098 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1100 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1073 (Vodafone UK - 4G)

 $\blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

# Tower TWR1089 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1034 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

# Tower TWR1092 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1004 (O2 - LTE)

■ Tower healthy

# Tower TWR1013 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1096 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1020 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1011 (EE - 5G)**

■ Tower healthy

# Tower TWR1050 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1081 (O2 - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1071 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1088 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1013 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1056 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1031 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1002 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1032 (Three - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1008 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1021 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1004 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1057 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1007 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1072 (EE - 4G)**

■ Tower healthy

# **Tower TWR1022 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1057 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1088 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1077 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1095 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

# Tower TWR1040 (EE - LTE)

■ Anomaly detected → Send field engineer

# Tower TWR1100 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1003 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1026 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1045 (Vodafone UK - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1087 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1030 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1080 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1006 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1029 (Three - 4G)

■ Tower healthy

# Tower TWR1030 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1030 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1019 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1078 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1096 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1041 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1037 (O2 - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1090 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1093 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1033 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1086 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1021 (EE - 4G)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

# **Tower TWR1051 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1099 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1087 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1056 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1071 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1081 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1080 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1035 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1072 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1027 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1091 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1034 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1075 (Vodafone UK - 4G)

■ Tower healthy

#### Tower TWR1006 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1048 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1033 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1036 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1010 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1098 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1089 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1013 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1027 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1089 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1083 (Vodafone UK - 4G)

■ Tower healthy

# **Tower TWR1074 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1067 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1025 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1098 (Vodafone UK - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1087 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1020 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1071 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1084 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1080 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1066 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1023 (Three - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1066 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (Three - LTE)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

# **Tower TWR1099 (EE - 5G)**

 $\blacksquare \ \, \text{Packet loss high} \rightarrow \text{Optimize VoIP routing/codecs}$ 

# Tower TWR1020 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1094 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1096 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1047 (O2 - 4G)

■ Tower healthy

# Tower TWR1004 (EE - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1064 (EE - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1043 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1071 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

#### **Tower TWR1025 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1006 (EE - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

# Tower TWR1070 (Three - LTE)

■■ Tower overloaded → Add capacity / load balancing

# Tower TWR1029 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1018 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1064 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1037 (EE - 5G)**

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1039 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1096 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due

→ Replace/upgrade tower; ■ Anomaly detected → Send field engineer

# **Tower TWR1030 (EE - 5G)**

■ Tower healthy

# Tower TWR1060 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1030 (Vodafone UK - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1006 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1018 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1072 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1005 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1091 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1067 (EE - 4G)**

■ High latency → Check backhaul/core network

# **Tower TWR1010 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1071 (O2 - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1092 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1060 (Vodafone UK - 4G)

■ Tower healthy

#### **Tower TWR1037 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1034 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1091 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1024 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1075 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1061 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1048 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1034 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1097 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1052 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1055 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1097 (Three - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1042 (O2 - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1048 (O2 - 5G)

# Tower TWR1083 (Three - 5G)

■ Tower healthy

#### **Tower TWR1098 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1059 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1020 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1009 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1010 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

# **Tower TWR1007 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1032 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1094 (O2 - 5G)

■ Tower healthy

### Tower TWR1036 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1016 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1032 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1001 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1081 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1036 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1007 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1009 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1037 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1022 (EE - 5G)**

■ Tower healthy

### Tower TWR1039 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1090 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1035 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1018 (Three - 5G)

■ Tower healthy

## Tower TWR1044 (O2 - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1085 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1045 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1058 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1010 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1004 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1075 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1019 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1002 (Three - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1060 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1092 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1071 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1068 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1031 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1097 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1082 (EE - 4G)

■ Tower healthy

# **Tower TWR1025 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1063 (EE - 4G)**

■ High latency → Check backhaul/core network

# Tower TWR1060 (Three - 5G)

■ Tower healthy

### Tower TWR1076 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## **Tower TWR1004 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1066 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### **Tower TWR1055 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1053 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1087 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1061 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1020 (Three - 5G)

■ Tower healthy

# Tower TWR1047 (Three - 4G)

■ Tower healthy

#### Tower TWR1099 (O2 - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1093 (EE - 5G)**

■ High latency → Check backhaul/core network

# Tower TWR1017 (O2 - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1082 (EE - 5G)**

### **Tower TWR1075 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1059 (Three - 5G)

■ Tower healthy

# Tower TWR1098 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1002 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1065 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1030 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1035 (Vodafone UK - LTE)**

■ Tower healthy

#### Tower TWR1043 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### **Tower TWR1099 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1015 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1091 (O2 - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1009 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1030 (Three - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1064 (EE - 5G)**

### **Tower TWR1073 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1098 (O2 - LTE)**

■ Tower healthy

# Tower TWR1088 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1096 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1036 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1090 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1065 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1078 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1081 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1018 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1000 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1076 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1025 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1012 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

### Replace/upgrade tower

### Tower TWR1091 (EE - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1036 (O2 - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1041 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1089 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1012 (O2 - LTE)**

■ High latency → Check backhaul/core network

### **Tower TWR1059 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1047 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# **Tower TWR1034 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1044 (Three - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1049 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1027 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1006 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1013 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1086 (Vodafone UK - LTE)**

# **Tower TWR1007 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1016 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1012 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1095 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1025 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1067 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1034 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1033 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1040 (Three - LTE)**

■ Tower healthy

# Tower TWR1056 (O2 - 5G)

■ Anomaly detected → Send field engineer

# **Tower TWR1027 (EE - 4G)**

■ Tower healthy

# Tower TWR1043 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1071 (O2 - 5G)

## Tower TWR1002 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### **Tower TWR1012 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1099 (Three - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1020 (EE - 4G)**

■ Tower healthy

### Tower TWR1089 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1007 (Vodafone UK - 5G)

■ Tower healthy

#### Tower TWR1083 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1001 (O2 - 4G)

■ Tower healthy

### **Tower TWR1057 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1062 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1029 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1050 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1014 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1043 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1079 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1092 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1023 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1044 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1043 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1047 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1067 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1048 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1078 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1091 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1015 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1040 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1091 (Three - 5G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1080 (O2 - 4G)

■ Tower healthy

# Tower TWR1043 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1058 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1016 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1054 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1024 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1090 (Vodafone UK - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1080 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1032 (Three - 5G)

■ Tower healthy

# Tower TWR1072 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1099 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1100 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1016 (EE - LTE)

■ Tower healthy

## Tower TWR1037 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1064 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1078 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1005 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1068 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1066 (O2 - LTE)

■ Tower healthy

### Tower TWR1071 (Three - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1047 (O2 - 4G)

■ Tower healthy

## **Tower TWR1074 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1069 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1027 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1031 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1014 (EE - LTE)

■ Tower healthy

## **Tower TWR1064 (Vodafone UK - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1093 (O2 - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1067 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1001 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1044 (Three - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1033 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1054 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1071 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1038 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1078 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1081 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1027 (Vodafone UK - 5G)**

■ Tower healthy

# Tower TWR1028 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1058 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1065 (O2 - LTE)

■ High latency → Check backhaul/core network

### **Tower TWR1092 (EE - 4G)**

■ High latency → Check backhaul/core network

### Tower TWR1043 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1064 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1099 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1053 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1058 (Three - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1039 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1013 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1054 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1049 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1061 (Three - 5G)

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

### **Tower TWR1039 (O2 - LTE)**

■ Tower healthy

### **Tower TWR1097 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1037 (Three - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1025 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1095 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1066 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1089 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1069 (EE - 4G)**

■ Tower healthy

## Tower TWR1026 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1021 (EE - 5G)

■ Anomaly detected → Send field engineer

### Tower TWR1064 (O2 - 5G)

■ Tower healthy

# Tower TWR1088 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1062 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1060 (Vodafone UK - 5G)

■ Tower healthy

### Tower TWR1016 (O2 - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1058 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1033 (O2 - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1061 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1027 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1085 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1038 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1038 (Three - LTE)**

■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1070 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1057 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1009 (Vodafone UK - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1086 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1022 (Three - 5G)

■ Tower healthy

### Tower TWR1049 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1072 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1011 (Vodafone UK - LTE)**

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1060 (Three - 4G)

■ Tower healthy

### Tower TWR1095 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1039 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1057 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1069 (EE - LTE)

■ Tower healthy

### **Tower TWR1084 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1095 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1047 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1009 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1037 (Three - LTE)**

■ High latency → Check backhaul/core network

#### **Tower TWR1017 (EE - 4G)**

#### **Tower TWR1095 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### **Tower TWR1089 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1027 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1073 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1098 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1033 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1020 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1018 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1089 (Vodafone UK - LTE)**

■ Tower healthy

### **Tower TWR1099 (EE - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1088 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1004 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1011 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1077 (EE - LTE)**

### **Tower TWR1096 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1001 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1044 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1027 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1040 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1013 (EE - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1016 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1039 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1029 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1036 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1050 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1001 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1007 (EE - LTE)

■ Tower healthy

## Tower TWR1027 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1100 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1099 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1031 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1072 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1041 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1080 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1079 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1017 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1022 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1049 (O2 - LTE)**

■ Tower healthy

# Tower TWR1090 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1082 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1093 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1026 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1089 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1057 (O2 - 4G)

■ Tower healthy

### **Tower TWR1083 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1070 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1033 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1081 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1027 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1086 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1078 (O2 - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1090 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1094 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1029 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1097 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1098 (O2 - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1040 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1058 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1078 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1095 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1057 (Three - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1019 (Three - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

#### Tower TWR1037 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1010 (O2 - 4G)

■ Tower healthy

### Tower TWR1009 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1048 (Vodafone UK - 5G)

#### Tower TWR1015 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1054 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1065 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1082 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1077 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1082 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

#### **Tower TWR1023 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1034 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1038 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1094 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1015 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1067 (EE - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1014 (EE - LTE)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due →

### Replace/upgrade tower

# **Tower TWR1021 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1054 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1095 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1028 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1009 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1077 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1027 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1031 (EE - LTE)

■ High latency → Check backhaul/core network

### **Tower TWR1036 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1009 (EE - 4G)**

■ High latency → Check backhaul/core network

# Tower TWR1024 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1055 (O2 - LTE)**

#### Tower TWR1090 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1010 (EE - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1053 (EE - LTE)

■ High latency → Check backhaul/core network

#### Tower TWR1022 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1059 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1028 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1066 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1046 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1099 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1054 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1066 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1049 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1025 (O2 - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$ 

### Send field engineer

# **Tower TWR1058 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1064 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1080 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1059 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1071 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1049 (Three - LTE)

 $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1067 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1054 (O2 - LTE)**

■ Tower healthy

# Tower TWR1068 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1084 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### Tower TWR1071 (Three - LTE)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth

### Tower TWR1012 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1001 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1086 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

#### Tower TWR1070 (O2 - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1013 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1031 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1064 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1045 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1090 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1009 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1044 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1027 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1065 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1055 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1000 (EE - 4G)**

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1078 (O2 - LTE)**

■ Tower healthy

### **Tower TWR1014 (O2 - LTE)**

■ Tower healthy

### Tower TWR1051 (Three - LTE)

■ Anomaly detected → Send field engineer

#### Tower TWR1094 (EE - LTE)

■ Tower healthy

# Tower TWR1096 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1053 (Vodafone UK - LTE)**

 $\blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

## Tower TWR1079 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower;
■ Anomaly detected → Send field engineer

# Tower TWR1033 (O2 - 4G)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1080 (Vodafone UK - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1048 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1031 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1013 (O2 - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1037 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1016 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1017 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1023 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1016 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1030 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1081 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1037 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1010 (O2 - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1058 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1020 (O2 - 4G)

■ Tower healthy

# **Tower TWR1093 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1056 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1093 (EE - 4G)**

■ Tower healthy

## Tower TWR1066 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1030 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1000 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1085 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1095 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1042 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1034 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1100 (O2 - LTE)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1013 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### **Tower TWR1060 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1039 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1070 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1069 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1073 (Three - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1071 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1072 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1000 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1035 (Three - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1000 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1065 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1081 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1070 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1048 (O2 - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

# **Tower TWR1090 (O2 - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1094 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1057 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1015 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1083 (Three - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1088 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1033 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1030 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

### **Tower TWR1074 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1075 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1039 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1029 (EE - 5G)**

■ High latency → Check backhaul/core network

# **Tower TWR1026 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1075 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

### Tower TWR1060 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1017 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### **Tower TWR1026 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1003 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1018 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1007 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1068 (Three - 4G)

■ Tower healthy

# **Tower TWR1021 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1004 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1048 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1024 (Three - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1063 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1016 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1095 (Three - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1068 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1006 (EE - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1092 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1008 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1099 (EE - LTE)

■ Tower healthy

## **Tower TWR1015 (Vodafone UK - 5G)**

■ Tower healthy

## **Tower TWR1069 (EE - 4G)**

■ High latency → Check backhaul/core network

## **Tower TWR1000 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1025 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1074 (O2 - 4G)

■ Tower healthy

#### Tower TWR1062 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1078 (Vodafone UK - LTE)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

## Tower TWR1012 (Vodafone UK - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1069 (Three - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1092 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1075 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1080 (EE - LTE)

■ Tower healthy

#### **Tower TWR1094 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1038 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1083 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1069 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1039 (Vodafone UK - 4G)

■ Tower healthy

## **Tower TWR1055 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1056 (O2 - LTE)

■ Tower healthy

#### Tower TWR1075 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1045 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1006 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1092 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1020 (EE - 5G)**

■ Tower healthy

## Tower TWR1007 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1098 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1022 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## Tower TWR1066 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1049 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1036 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1086 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1064 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1041 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1020 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1099 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1078 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1005 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1031 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1080 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

#### **Tower TWR1004 (EE - 5G)**

■ High latency → Check backhaul/core network

## **Tower TWR1078 (EE - 5G)**

■ High latency → Check backhaul/core network

## **Tower TWR1087 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1016 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1024 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1096 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1078 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1065 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1099 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1078 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1099 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1032 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

## Tower TWR1031 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1052 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1098 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1046 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1048 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1048 (Three - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1054 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1002 (EE - 4G)**

■ High latency → Check backhaul/core network

# Tower TWR1044 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1021 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1060 (EE - 4G)**

■ Tower healthy

#### Tower TWR1061 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1079 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1065 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1076 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1100 (Three - 4G)

■ Tower healthy

## Tower TWR1074 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1046 (Vodafone UK - 5G)

■ Tower healthy

#### Tower TWR1064 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1075 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1054 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1003 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1049 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1073 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1016 (Three - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1036 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1011 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1053 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1041 (Vodafone UK - LTE)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1055 (Three - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1061 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1054 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1003 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1015 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1058 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1057 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1032 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1012 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1057 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1007 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1070 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## Tower TWR1001 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1069 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1073 (EE - 4G)**

■ Tower healthy

## Tower TWR1088 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1037 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1032 (EE - LTE)

■ Tower healthy

#### Tower TWR1059 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1025 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1028 (Three - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1029 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1037 (EE - 4G)**

■ Tower healthy

## **Tower TWR1075 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1033 (Three - 5G)

■ Tower healthy

## Tower TWR1070 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1023 (O2 - 5G)

■ Tower healthy

# **Tower TWR1090 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1096 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1045 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1019 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1079 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1041 (Vodafone UK - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1002 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1004 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1006 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1080 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1008 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1084 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1080 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1094 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1001 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1032 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

## Tower TWR1004 (O2 - LTE)

■ High latency → Check backhaul/core network

## **Tower TWR1049 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1030 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1079 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1057 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1031 (EE - 5G)**

■ Tower healthy

#### **Tower TWR1010 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1098 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1009 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1062 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1029 (Vodafone UK - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1011 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1025 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1016 (O2 - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1068 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1020 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1035 (Three - LTE)**

■ Tower healthy

## Tower TWR1082 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1092 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1023 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1011 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1009 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1095 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1089 (O2 - 4G)

■ Tower healthy

## Tower TWR1065 (O2 - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1079 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1084 (Vodafone UK - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1058 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1084 (Three - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1089 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1001 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1053 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1044 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1064 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1064 (Three - 5G)

■ Tower healthy

#### Tower TWR1023 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1064 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1007 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1076 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1024 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1061 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1014 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1080 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1049 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1036 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

## bandwidth

## Tower TWR1046 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1036 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1059 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1046 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1095 (Three - 5G)

■ Tower healthy

## Tower TWR1070 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1051 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1004 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1001 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1088 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1030 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1037 (Three - LTE)**

■ High latency → Check backhaul/core network

#### **Tower TWR1084 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1042 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1083 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1052 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1033 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1043 (O2 - 4G)

■ Tower healthy

#### **Tower TWR1086 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1030 (Vodafone UK - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1087 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1046 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1068 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1098 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1010 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1064 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1045 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1080 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1011 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1086 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1017 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1060 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1064 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1064 (EE - 5G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1073 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1047 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1050 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1098 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### **Tower TWR1001 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1099 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1037 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1021 (Three - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1073 (EE - 4G)**

■ Tower healthy

## Tower TWR1024 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1085 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1056 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1031 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1074 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1058 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1026 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1091 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1004 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1043 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1100 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1037 (Three - LTE)**

 $\blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

#### Tower TWR1074 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1041 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1034 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1067 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1018 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1050 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1064 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1066 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1022 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1029 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1060 (O2 - LTE)

■ Tower healthy

#### **Tower TWR1073 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1038 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1014 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1017 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1086 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1047 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1064 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1034 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1053 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1005 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1075 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1034 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1000 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1004 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1008 (EE - 5G)**

■ High latency → Check backhaul/core network

## Tower TWR1074 (O2 - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1059 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1084 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1086 (Three - 4G)

■ Tower healthy

## **Tower TWR1059 (EE - 4G)**

■ Tower healthy

## **Tower TWR1087 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1035 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1093 (O2 - 5G)

■ Tower healthy

## Tower TWR1093 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1008 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1013 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1009 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1018 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1025 (O2 - 5G)

■ Tower healthy

#### Tower TWR1061 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1094 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1077 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1067 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1000 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1030 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1032 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1083 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1088 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1036 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1060 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1065 (EE - 4G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1063 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1078 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1097 (Three - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1013 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1060 (EE - 5G)**

■ Tower healthy

## Tower TWR1037 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1008 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1058 (O2 - LTE)

■ Anomaly detected → Send field engineer

# Tower TWR1032 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1021 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1077 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

## bandwidth

## **Tower TWR1008 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1060 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1037 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1096 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1021 (Three - LTE)**

■ Tower healthy

## **Tower TWR1075 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1061 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1061 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1082 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1001 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1094 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\to$  Send field engineer

## **Tower TWR1033 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1029 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1099 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## Tower TWR1040 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1002 (Three - 5G)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1034 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### **Tower TWR1025 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1097 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1001 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1024 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1010 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1063 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1021 (EE - LTE)

■ Tower healthy

## **Tower TWR1021 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1088 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1003 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1051 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1088 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1064 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1091 (O2 - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1068 (Three - LTE)**

■ Tower healthy

## Tower TWR1039 (O2 - 4G)

■ Tower healthy

## Tower TWR1065 (Three - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1091 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1066 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1029 (Three - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network

# Tower TWR1091 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1098 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1053 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1086 (O2 - 4G)

■ Tower healthy

## Tower TWR1046 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1006 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1016 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1060 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1035 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1038 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1025 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1076 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1090 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1043 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1027 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1096 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1082 (Three - LTE)**

■ Tower healthy

## Tower TWR1068 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1029 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1073 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1068 (EE - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1028 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1023 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1066 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1086 (Three - 5G)

■ Tower healthy

## Tower TWR1052 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1054 (Three - LTE)**

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1061 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1096 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1089 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

#### **Tower TWR1079 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1041 (Three - 4G)

■ Tower healthy

## **Tower TWR1076 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1063 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1082 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1059 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1037 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1003 (Three - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1002 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1033 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1003 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1042 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1062 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1037 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1061 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1005 (Vodafone UK - 4G)

■ Tower healthy

## Tower TWR1092 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1020 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1032 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1070 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1068 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1024 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1035 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1000 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1085 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1000 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1087 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1020 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1023 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1009 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1001 (O2 - 5G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1007 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1062 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1041 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1033 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1077 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1000 (Three - LTE)

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1076 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1009 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1049 (EE - 5G)**

Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1019 (O2 - 5G)

■ Tower healthy

## Tower TWR1026 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1063 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

## Tower TWR1043 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1042 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1049 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1059 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1059 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1057 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1031 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1082 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1001 (EE - 4G)**

■ High latency → Check backhaul/core network

#### Tower TWR1000 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1050 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1014 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## Tower TWR1043 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1021 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1053 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1059 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1085 (O2 - LTE)

■ Tower healthy

## Tower TWR1039 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1058 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1061 (O2 - LTE)

■ Tower healthy

#### Tower TWR1088 (Three - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1093 (EE - LTE)

■ High latency → Check backhaul/core network

## **Tower TWR1075 (EE - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1047 (EE - LTE)

■ Tower healthy

## Tower TWR1007 (O2 - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1059 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1078 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1075 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1027 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1062 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1042 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1015 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1066 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1047 (Vodafone UK - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1095 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1019 (EE - 5G)**

Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1033 (Three - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1089 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1075 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1049 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1089 (Vodafone UK - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1069 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1046 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1066 (EE - 4G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1097 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1076 (Vodafone UK - 4G)

■ Tower healthy

#### **Tower TWR1030 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1098 (EE - 4G)**

■ High latency → Check backhaul/core network

## Tower TWR1063 (EE - LTE)

■ Tower healthy

# Tower TWR1075 (EE - LTE)

■ High latency → Check backhaul/core network

## Tower TWR1011 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1021 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1067 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1041 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1097 (Three - 4G)

■ Tower healthy

## Tower TWR1060 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1056 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1003 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1092 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1046 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1038 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1041 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1061 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1089 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1036 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1100 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1087 (Three - 5G)

■ Tower healthy

# Tower TWR1034 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1100 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1011 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1093 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1098 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1034 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1061 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1017 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1095 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1015 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1008 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1079 (EE - 5G)**

■ Tower healthy

# **Tower TWR1042 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1067 (O2 - LTE)**

■ Tower healthy

## Tower TWR1069 (EE - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1016 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1016 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1100 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1067 (Vodafone UK - 4G)

■ Tower healthy

#### **Tower TWR1018 (O2 - LTE)**

■ High latency → Check backhaul/core network

### **Tower TWR1033 (EE - 4G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1053 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1014 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1079 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1060 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1028 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1018 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1062 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1059 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1056 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1001 (EE - 5G)**

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1036 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1063 (Vodafone UK - 5G)

■ Tower healthy

# **Tower TWR1024 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1028 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1088 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1006 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

#### **Tower TWR1088 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1002 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1018 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1094 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1051 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1043 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1013 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1093 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1021 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1100 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1049 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1050 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1045 (EE - 4G)**

■ High latency → Check backhaul/core network

# Tower TWR1045 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1018 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1083 (Three - 5G)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1009 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1082 (Three - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1083 (Three - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1043 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### **Tower TWR1029 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1077 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1012 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1085 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1064 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1008 (Three - LTE)**

■ Tower healthy

### **Tower TWR1062 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1010 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1045 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1028 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1040 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1056 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1030 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

### routing/codecs; ■ Anomaly detected → Send field engineer

# **Tower TWR1099 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1010 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1065 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1018 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1027 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1047 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1040 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1093 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1031 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1100 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1096 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1043 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1047 (EE - 4G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1062 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1060 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1100 (Vodafone UK - LTE)**

■ Tower healthy

### **Tower TWR1015 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1055 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1024 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1042 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

# **Tower TWR1024 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1070 (O2 - 5G)

■ Tower healthy

# **Tower TWR1000 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1084 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1001 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1002 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1021 (O2 - LTE)**

■ Tower healthy

# Tower TWR1083 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1018 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1090 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1087 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1076 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1033 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1071 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1050 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1068 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1066 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1021 (EE - LTE)

■ High latency → Check backhaul/core network

#### Tower TWR1084 (O2 - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1097 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1078 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1036 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1096 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1068 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1048 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1094 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1003 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1047 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1030 (O2 - 5G)

■ Tower healthy

# Tower TWR1010 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1095 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### **Tower TWR1083 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1067 (Three - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1062 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1033 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1059 (Vodafone UK - LTE)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1004 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1054 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1073 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1016 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1048 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1008 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1063 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1089 (EE - 5G)**

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

# Tower TWR1022 (O2 - LTE)

■ Tower healthy

### **Tower TWR1025 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1026 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1045 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1089 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1030 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1003 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1040 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1002 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1040 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1003 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1091 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1072 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1090 (Vodafone UK - LTE)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1089 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1069 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1001 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1029 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1088 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1071 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1019 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1069 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1024 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1001 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1009 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1083 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1092 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1091 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1044 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1016 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1095 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1036 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1080 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1091 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1034 (Vodafone UK - 4G)

■ Tower healthy

## Tower TWR1090 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1005 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1041 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1085 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1054 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1052 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1093 (Vodafone UK - 4G)

■ Anomaly detected → Send field engineer

## Tower TWR1046 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1058 (Vodafone UK - LTE)

■■ Tower overloaded → Add capacity / load balancing

### **Tower TWR1076 (Three - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1040 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1064 (EE - LTE)**

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- $\blacksquare\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1036 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1068 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1086 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1031 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1009 (Vodafone UK - LTE)**

 $\blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network}$ 

### **Tower TWR1038 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1012 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1012 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1039 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1051 (Three - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1086 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1027 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1099 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1067 (O2 - 5G)

■ Tower healthy

### **Tower TWR1044 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1037 (EE - LTE)

■ High latency → Check backhaul/core network

### **Tower TWR1013 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1033 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1009 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1013 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due →

### Replace/upgrade tower

# **Tower TWR1085 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1063 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1037 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1006 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1080 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1024 (Three - 5G)

■ Tower healthy

### Tower TWR1068 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1030 (O2 - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1096 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1048 (Vodafone UK - 5G)

■ Tower healthy

### **Tower TWR1033 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1085 (Three - 5G)

■ Tower healthy

### Tower TWR1070 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1058 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1049 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1027 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1081 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1076 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1049 (Vodafone UK - 4G)

■ Anomaly detected → Send field engineer

## Tower TWR1041 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1064 (EE - LTE)

■ Tower healthy

### Tower TWR1029 (O2 - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1049 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1034 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1097 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1003 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1097 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1029 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1030 (EE - 5G)**

■ High latency → Check backhaul/core network

### **Tower TWR1014 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1032 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1065 (O2 - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1051 (Vodafone UK - 5G)**

■ Tower healthy

# Tower TWR1028 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1024 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1046 (EE - LTE)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1051 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1098 (O2 - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1011 (Three - 5G)

■ Tower healthy

### **Tower TWR1027 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1069 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1073 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1011 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1045 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1091 (EE - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1003 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1028 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1047 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1033 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1063 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1078 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1036 (EE - LTE)

■ High latency → Check backhaul/core network

# Tower TWR1078 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1016 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1062 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1057 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1038 (EE - LTE)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1057 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1033 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1036 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1011 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1007 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1060 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1084 (Three - LTE)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# **Tower TWR1090 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1063 (O2 - 4G)

■ Tower healthy

#### **Tower TWR1060 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1024 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1075 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1056 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1090 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1073 (Three - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1018 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1036 (O2 - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1007 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1086 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1084 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1087 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1003 (Three - 5G)

■ Tower healthy

#### **Tower TWR1026 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1011 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1093 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1062 (Three - 5G)

■ Tower healthy

## **Tower TWR1031 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1062 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1050 (EE - LTE)

■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1094 (O2 - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1058 (Vodafone UK - 4G)

 $\blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

# Tower TWR1083 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1009 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1039 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1023 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1063 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1042 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1020 (O2 - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1086 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1016 (Three - 4G)

■ Tower healthy

### **Tower TWR1011 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1026 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1035 (Vodafone UK - 5G)

■ Tower healthy

### Tower TWR1090 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1024 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1044 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1010 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1092 (Vodafone UK - 5G)

■ Tower healthy

#### Tower TWR1096 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1031 (Three - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### **Tower TWR1069 (Three - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1096 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1050 (Three - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1045 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1002 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1041 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1053 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1016 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1007 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1032 (Three - 4G)

■ Tower healthy

## **Tower TWR1052 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1011 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1070 (O2 - LTE)**

■ Tower healthy

### **Tower TWR1056 (Three - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1073 (Vodafone UK - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1017 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1079 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1086 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1084 (EE - 4G)

■ Tower healthy

### Tower TWR1073 (Vodafone UK - LTE)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{High jitter} \to \text{Review routing paths / bandwidth}$ 

# Tower TWR1070 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1017 (O2 - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1098 (Three - 4G)

■ Tower healthy

### Tower TWR1041 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1066 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1075 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1066 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1025 (Three - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1006 (O2 - LTE)

■ Tower healthy

### **Tower TWR1065 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1066 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1064 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1073 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1007 (Vodafone UK - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1012 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1086 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1082 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

### **Tower TWR1081 (EE - 5G)**

■ Tower healthy

### Tower TWR1034 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1075 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1002 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1078 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1046 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1035 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1034 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1100 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\to$  Send field engineer

# **Tower TWR1035 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1097 (Vodafone UK - 4G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1014 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1019 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1073 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1020 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1023 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1012 (Three - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1021 (EE - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

### Tower TWR1018 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1067 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1092 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1020 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1010 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1076 (EE - 5G)**

■ Tower healthy

# **Tower TWR1074 (Vodafone UK - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1083 (Three - 4G)

■ Tower healthy

### Tower TWR1020 (EE - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1060 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1006 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1015 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1086 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1096 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1044 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1000 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1068 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1098 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1031 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1083 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1070 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1045 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1030 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1076 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1071 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1050 (O2 - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1037 (Three - LTE)**

■ Tower healthy

#### Tower TWR1035 (Three - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

# Tower TWR1042 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1062 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1007 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1054 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1005 (Three - LTE)**

■ Tower healthy

### **Tower TWR1093 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1098 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1040 (EE - LTE)

■ Tower healthy

# **Tower TWR1095 (EE - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1020 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1060 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1060 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1088 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1018 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1004 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1012 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1002 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due →
Replace/upgrade tower

### **Tower TWR1041 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1090 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1059 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1071 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1087 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1065 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1034 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1052 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1028 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1007 (O2 - 4G)

■ Tower healthy

### Tower TWR1037 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1033 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1068 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# **Tower TWR1028 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1027 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1024 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1086 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1048 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1010 (EE - 4G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1024 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1064 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1043 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1024 (O2 - LTE)**

■ High latency → Check backhaul/core network

### **Tower TWR1043 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1091 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1025 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1042 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1025 (Three - LTE)**

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1038 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### Tower TWR1000 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1072 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1023 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1051 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1006 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1077 (Three - 5G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1054 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1079 (O2 - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1091 (EE - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1079 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1049 (O2 - LTE)**

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1040 (O2 - 4G)

■ Tower healthy

### **Tower TWR1099 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1080 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1012 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1054 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1055 (EE - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1080 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1075 (EE - LTE)

■ Tower healthy

### Tower TWR1016 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1068 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1059 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1087 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1099 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1082 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1039 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1052 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1013 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1008 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1011 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1027 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1034 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1047 (O2 - LTE)**

■ Tower healthy

# **Tower TWR1050 (EE - 4G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1080 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1035 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1044 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1049 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1054 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1024 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1099 (O2 - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1043 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1004 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1040 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

### Tower TWR1058 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1016 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1042 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1018 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1090 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1071 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1068 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1058 (Vodafone UK - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1098 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1043 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1023 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1016 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1021 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1030 (O2 - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1030 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1099 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1089 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1047 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1002 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1082 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1068 (O2 - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### **Tower TWR1078 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1017 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1078 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1002 (Three - 4G)

■ Tower healthy

#### Tower TWR1083 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1058 (Three - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1020 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1064 (EE - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1081 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1061 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1061 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1048 (Three - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1037 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1018 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1055 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1074 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1059 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1093 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1019 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1045 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1006 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1003 (EE - 5G)**

■ Tower healthy

## **Tower TWR1005 (O2 - LTE)**

■ Tower healthy

### Tower TWR1011 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1061 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1068 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1100 (Three - 5G)

■ High latency → Check backhaul/core network

#### **Tower TWR1066 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1096 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1089 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1013 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1052 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1003 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1071 (Three - 4G)

■ Tower healthy

# **Tower TWR1032 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

### **Tower TWR1063 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1067 (EE - 4G)**

■ Tower healthy

#### Tower TWR1066 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1016 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1058 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1024 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1081 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1023 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### Tower TWR1082 (O2 - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1000 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1028 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1034 (EE - LTE)

■ High latency → Check backhaul/core network

# Tower TWR1005 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1064 (O2 - 5G)

■ Tower healthy

# Tower TWR1062 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1083 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1097 (Vodafone UK - 4G)

 $\blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

# Tower TWR1061 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

## Tower TWR1044 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1002 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1046 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1070 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1051 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1048 (O2 - LTE)

■ Tower healthy

### Tower TWR1055 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1016 (O2 - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1037 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1008 (O2 - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1019 (O2 - 5G)

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

## Tower TWR1012 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1045 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1016 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1054 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1015 (O2 - 4G)

■ Tower healthy

#### **Tower TWR1039 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1022 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1038 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1004 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1060 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1049 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1087 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

#### Tower TWR1033 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1073 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1088 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1010 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1088 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1076 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1080 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1039 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

#### Tower TWR1096 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1059 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1068 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1011 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1007 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1038 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1050 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## **Tower TWR1031 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1098 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1000 (Vodafone UK - LTE)

■ Anomaly detected → Send field engineer

#### **Tower TWR1041 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1085 (Three - 5G)

■ Tower healthy

#### Tower TWR1050 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1015 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1092 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1098 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1059 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1032 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1077 (EE - LTE)

■ Tower healthy

## Tower TWR1038 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

#### **Tower TWR1056 (EE - 5G)**

■ Tower healthy

## **Tower TWR1023 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1065 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1024 (Vodafone UK - 4G)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{High jitter} \to \text{Review routing paths / bandwidth}$ 

## **Tower TWR1078 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1068 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1004 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1017 (O2 - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1047 (EE - 4G)**

■ High latency → Check backhaul/core network

#### Tower TWR1024 (Three - 5G)

■ Tower healthy

### Tower TWR1009 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1080 (Vodafone UK - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1071 (Three - LTE)

■ Anomaly detected → Send field engineer

## Tower TWR1042 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1017 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1004 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1044 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1002 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1034 (O2 - 5G)

■ Tower healthy

#### Tower TWR1089 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1099 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1046 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1094 (Three - 5G)

■ Tower healthy

#### Tower TWR1046 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1005 (Three - LTE)**

■ Tower healthy

#### Tower TWR1069 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1032 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1098 (O2 - LTE)**

■ Tower healthy

### Tower TWR1045 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1054 (O2 - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1040 (EE - LTE)

■ High latency → Check backhaul/core network

#### Tower TWR1081 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### **Tower TWR1002 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1071 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1028 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1094 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1026 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1018 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1100 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1020 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1029 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1003 (Vodafone UK - LTE)**

■ Tower healthy

#### **Tower TWR1030 (EE - 5G)**

■ Tower healthy

#### **Tower TWR1053 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1078 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1057 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1039 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1044 (O2 - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1011 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1091 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1039 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1029 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1050 (Vodafone UK - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1077 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1034 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

#### **Tower TWR1048 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1032 (O2 - 4G)

■ Tower healthy

#### Tower TWR1085 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1045 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1051 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1076 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### Tower TWR1049 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1055 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1001 (EE - 4G)**

■ High latency → Check backhaul/core network

#### **Tower TWR1057 (Vodafone UK - LTE)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1087 (O2 - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\to$  Send field engineer

## Tower TWR1043 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1079 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1075 (Three - LTE)**

■ Tower healthy

#### Tower TWR1056 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1029 (O2 - 5G)

■ Tower healthy

# Tower TWR1060 (Vodafone UK - 4G)

■ Tower healthy

#### Tower TWR1009 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1094 (EE - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1084 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1100 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1031 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1010 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1017 (Vodafone UK - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1037 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1017 (O2 - 5G)

■ Tower healthy

#### Tower TWR1087 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1032 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1064 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1011 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1068 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1010 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1040 (EE - 5G)**

■ High latency → Check backhaul/core network

## Tower TWR1077 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1087 (O2 - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1035 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1022 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1090 (Vodafone UK - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1013 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1075 (Vodafone UK - 4G)

■ Tower healthy

#### **Tower TWR1089 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1005 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### Tower TWR1049 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1032 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1044 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1025 (EE - 5G)**

■ Tower healthy

## **Tower TWR1090 (EE - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1062 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1032 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1074 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1005 (O2 - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1049 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1031 (EE - LTE)

■ Tower healthy

#### **Tower TWR1025 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1085 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1046 (O2 - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1062 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

#### Tower TWR1071 (O2 - 4G)

■ Tower healthy

#### Tower TWR1093 (Three - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## Tower TWR1091 (O2 - 5G)

■ Tower healthy

# Tower TWR1043 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1093 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1024 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1051 (EE - 5G)**

■ High latency → Check backhaul/core network

### **Tower TWR1040 (EE - 5G)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1058 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1046 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1016 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1079 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1086 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1011 (EE - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1047 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1092 (O2 - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1075 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1009 (Vodafone UK - LTE)

■■ Tower overloaded → Add capacity / load balancing

## **Tower TWR1042 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1048 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1022 (Three - 5G)

■ Tower healthy

### Tower TWR1010 (Three - LTE)

■ Anomaly detected → Send field engineer

### Tower TWR1046 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### **Tower TWR1062 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1030 (EE - LTE)

■ Tower healthy

## Tower TWR1008 (Vodafone UK - 4G)

■ Tower healthy

## Tower TWR1093 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1027 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1028 (EE - 5G)**

■ Tower healthy

## **Tower TWR1003 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1028 (EE - 4G)**

■ High latency → Check backhaul/core network

## Tower TWR1022 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1097 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1058 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1020 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1013 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1071 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1011 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1046 (O2 - LTE)

■ Tower healthy

#### **Tower TWR1036 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1027 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1086 (Vodafone UK - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

#### **Tower TWR1000 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1007 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1048 (EE - 5G)**

■ Anomaly detected → Send field engineer

#### Tower TWR1059 (Vodafone UK - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1085 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### Tower TWR1027 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1076 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1003 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1082 (EE - LTE)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1058 (Vodafone UK - LTE)**

■ Tower healthy

#### **Tower TWR1080 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1036 (EE - LTE)

■ High latency → Check backhaul/core network

## Tower TWR1008 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1023 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1093 (O2 - LTE)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1013 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1002 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1013 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### Tower TWR1006 (O2 - 4G)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

## **Tower TWR1087 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

#### Replace/upgrade tower

## Tower TWR1030 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1059 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1088 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1091 (O2 - 5G)

■ Tower healthy

## **Tower TWR1057 (EE - 5G)**

■ Anomaly detected → Send field engineer

#### Tower TWR1010 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1026 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1001 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1062 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1053 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1005 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1062 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1053 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1072 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1084 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1085 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1029 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1064 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1028 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1053 (Vodafone UK - LTE)**

■ Tower healthy

#### **Tower TWR1027 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1088 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1025 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1020 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1059 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1051 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1001 (Three - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1077 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1022 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1044 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1017 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1086 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1043 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1067 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1019 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1005 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1069 (O2 - LTE)

■ High latency → Check backhaul/core network

#### **Tower TWR1091 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1060 (Vodafone UK - LTE)**

■ Tower healthy

#### **Tower TWR1049 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1089 (Three - 5G)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1024 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1046 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1055 (Three - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1087 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1018 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1056 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1062 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1059 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1026 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1032 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1006 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1100 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth

#### Tower TWR1000 (O2 - 5G)

■ Tower healthy

#### **Tower TWR1095 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1015 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1090 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1087 (EE - 5G)**

■ High latency → Check backhaul/core network

### **Tower TWR1012 (Vodafone UK - LTE)**

■ Tower healthy

### **Tower TWR1009 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1071 (Three - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1082 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1066 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1069 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1089 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1046 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1010 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1081 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1025 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1073 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1092 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1019 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1023 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1044 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1068 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1069 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1089 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1087 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1047 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1035 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1055 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1064 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1000 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1076 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1036 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### **Tower TWR1062 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1031 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1013 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1004 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1003 (EE - 5G)**

■ Tower healthy

#### **Tower TWR1028 (Vodafone UK - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## Tower TWR1052 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1037 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1079 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1041 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1023 (O2 - 4G)

■ Tower healthy

#### Tower TWR1048 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1089 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1024 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1092 (Three - 5G)

■ Tower healthy

### **Tower TWR1043 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1099 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1018 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1057 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1080 (Three - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1007 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1018 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1097 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1053 (Vodafone UK - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1089 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1053 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1050 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1034 (EE - 5G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1058 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1042 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1066 (Three - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1006 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1018 (O2 - 5G)

■ Tower healthy

## Tower TWR1074 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1001 (EE - 5G)**

■ Tower healthy

#### **Tower TWR1076 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1030 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1032 (Three - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1068 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1025 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1073 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1100 (O2 - LTE)

■ Tower healthy

## Tower TWR1083 (Vodafone UK - 5G)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1040 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1014 (O2 - 4G)

■ Tower healthy

## **Tower TWR1023 (EE - 4G)**

■ Tower healthy

## Tower TWR1064 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1000 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1067 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1022 (EE - 5G)**

■ Tower healthy

## Tower TWR1033 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1087 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1051 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1009 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1024 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1009 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1030 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1003 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1082 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1026 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1022 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1012 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1035 (O2 - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1085 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1038 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1019 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1099 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1015 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1001 (O2 - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1040 (O2 - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1078 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1005 (EE - LTE)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1092 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1062 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1025 (Vodafone UK - LTE)

■ Anomaly detected → Send field engineer

#### **Tower TWR1056 (EE - 4G)**

■ Tower healthy

### **Tower TWR1001 (O2 - LTE)**

■ Tower healthy

#### **Tower TWR1081 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1075 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1019 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1084 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1088 (Three - LTE)**

■ Tower healthy

#### Tower TWR1083 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1014 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1032 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1096 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1013 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1087 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1058 (Three - LTE)**

■ Tower healthy

## Tower TWR1083 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1055 (O2 - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1026 (O2 - 5G)

■ Tower healthy

#### **Tower TWR1073 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1016 (O2 - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1092 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1012 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1031 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1048 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1084 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1078 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1057 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1000 (EE - 4G)**

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network

# Tower TWR1055 (Three - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1087 (O2 - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1039 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1080 (O2 - 4G)

■ Tower healthy

#### Tower TWR1010 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1038 (O2 - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1060 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1087 (O2 - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1031 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1055 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1031 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1017 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### **Tower TWR1048 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1005 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1001 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1001 (Three - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1015 (Vodafone UK - LTE)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1063 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1036 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1058 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1003 (EE - LTE)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1014 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1032 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1011 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (Three - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1068 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1073 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1026 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1014 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1059 (O2 - 4G)

■ Tower healthy

#### Tower TWR1069 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1009 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1002 (EE - 4G)**

■ High latency → Check backhaul/core network

#### Tower TWR1036 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## Tower TWR1010 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1045 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (Three - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1024 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1089 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1000 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1049 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1072 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1044 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1058 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1038 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1032 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1082 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1004 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1098 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1084 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1097 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1063 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1027 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1062 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1028 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1067 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1085 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1090 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1059 (O2 - 5G)

■ Tower healthy

#### Tower TWR1038 (Three - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1051 (Vodafone UK - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1053 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1054 (O2 - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1082 (O2 - LTE)

■ Tower healthy

## **Tower TWR1085 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

#### Tower TWR1093 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1001 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1018 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1071 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1094 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1089 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1061 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1018 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1068 (Three - LTE)**

■ Tower healthy

#### Tower TWR1066 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1064 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1014 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1092 (O2 - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1011 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

## Replace/upgrade tower

## **Tower TWR1047 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1012 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1000 (Three - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1049 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1042 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1002 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1075 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1037 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

#### Tower TWR1060 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1002 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1094 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1044 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1046 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1099 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1026 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1079 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1018 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1039 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

#### **Tower TWR1088 (EE - 4G)**

■ High latency → Check backhaul/core network

## **Tower TWR1000 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1007 (EE - 4G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1093 (EE - 4G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1019 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1039 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1034 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1062 (EE - 5G)**

■ Anomaly detected → Send field engineer

## Tower TWR1031 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## Tower TWR1044 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1030 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1066 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1054 (O2 - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1010 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1018 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1069 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1052 (EE - 5G)**

■ Tower healthy

## Tower TWR1096 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1056 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1038 (Vodafone UK - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1008 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1054 (Three - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1025 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1011 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1083 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1025 (Vodafone UK - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1004 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1094 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1042 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## Tower TWR1022 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1050 (O2 - 5G)

■ Tower healthy

## Tower TWR1052 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## Tower TWR1080 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1096 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths /

#### bandwidth

## **Tower TWR1027 (EE - 5G)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1090 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1021 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1005 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1050 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1029 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1019 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1075 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1065 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1000 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1006 (Vodafone UK - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1048 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1058 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1054 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1029 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1049 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1048 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1079 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1064 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1077 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1000 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1086 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1099 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1019 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1034 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1001 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1084 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1092 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1044 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1075 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1053 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1025 (Three - LTE)**

■ Tower healthy

## Tower TWR1026 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1087 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1003 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1086 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1005 (O2 - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1013 (EE - 4G)**

 $\blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network}$ 

## Tower TWR1094 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due →

## Replace/upgrade tower

## **Tower TWR1087 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1027 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1057 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1033 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1008 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1091 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1066 (O2 - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1051 (O2 - 4G)

■ Tower healthy

## **Tower TWR1012 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1049 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1039 (O2 - 5G)

■ Tower healthy

## Tower TWR1087 (O2 - 5G)

■ Tower healthy

## **Tower TWR1007 (EE - 4G)**

■ Tower healthy

## Tower TWR1012 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1018 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1067 (O2 - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1066 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1017 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1063 (O2 - LTE)**

■ Tower healthy

## Tower TWR1045 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1092 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1091 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1032 (Vodafone UK - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1019 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1087 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1066 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1022 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1023 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1020 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1021 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1030 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1036 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1082 (Three - 5G)

■ Tower healthy

## Tower TWR1058 (Vodafone UK - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1051 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## Tower TWR1057 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1018 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1014 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1040 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1000 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1000 (Vodafone UK - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1003 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1072 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1039 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1045 (O2 - 5G)

■ Tower healthy

## Tower TWR1009 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1082 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1004 (EE - LTE)

■ Tower healthy

# Tower TWR1095 (Three - 4G)

■ Tower healthy

## **Tower TWR1009 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1045 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1091 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1043 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1084 (O2 - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1055 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1080 (Vodafone UK - LTE)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1071 (Three - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1027 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1028 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1028 (O2 - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1034 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1019 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1011 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1049 (Three - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1056 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1005 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1080 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1077 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1098 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1033 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1055 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1056 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1004 (Three - LTE)**

■ Tower healthy

## **Tower TWR1026 (Vodafone UK - 5G)**

■ Tower healthy

## Tower TWR1046 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1046 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1069 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1024 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1061 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1095 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1028 (EE - LTE)

■ Tower healthy

## **Tower TWR1038 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1014 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1069 (Vodafone UK - LTE)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network}$ 

## **Tower TWR1014 (EE - 5G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1018 (Vodafone UK - 4G)

■ Tower healthy

## **Tower TWR1021 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1080 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1038 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (EE - LTE)

■ Tower healthy

## **Tower TWR1070 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1070 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1097 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1009 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1045 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1024 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1072 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1076 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1090 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1078 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1056 (Vodafone UK - 4G)

■ Tower healthy

## **Tower TWR1009 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1048 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1076 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1068 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1073 (O2 - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1003 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1004 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1094 (EE - LTE)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1036 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## Tower TWR1078 (EE - LTE)

■ Tower healthy

## Tower TWR1022 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1061 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1075 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1074 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1069 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1043 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1094 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1041 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

## **Tower TWR1093 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1093 (O2 - 4G)

■ Tower healthy

## **Tower TWR1004 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1037 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1089 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1008 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1036 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1083 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1023 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

## **Tower TWR1016 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1046 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1015 (EE - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1071 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

## bandwidth

## **Tower TWR1098 (EE - 5G)**

 $\blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network;} \ \blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP} \\ \text{routing/codecs;} \ \blacksquare \ \, \text{High jitter} \to \text{Review routing paths / bandwidth;} \ \blacksquare \blacksquare \ \, \text{Old tower + maintenance due} \\ \end{aligned}$ 

→ Replace/upgrade tower; ■ Anomaly detected → Send field engineer

## **Tower TWR1037 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1035 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1020 (O2 - 4G)

■ Tower healthy

## **Tower TWR1024 (Three - LTE)**

■ Tower healthy

## Tower TWR1050 (Three - 5G)

■ Tower healthy

## **Tower TWR1084 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1029 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1067 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1034 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1058 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1099 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1015 (EE - 5G)**

■ Tower healthy

## Tower TWR1004 (EE - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1019 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1096 (EE - LTE)

■ High latency → Check backhaul/core network

## Tower TWR1035 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1021 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1013 (EE - 5G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1005 (Vodafone UK - LTE)**

■ Tower healthy

#### Tower TWR1019 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1093 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1073 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1007 (O2 - 4G)

■ Tower healthy

## Tower TWR1080 (EE - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1041 (Vodafone UK - LTE)**

■■ Tower overloaded → Add capacity / load balancing; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1098 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1024 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1077 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1049 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1056 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1065 (Vodafone UK - 4G)**

■ Tower healthy

## Tower TWR1052 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1078 (EE - 5G)**

■ Anomaly detected → Send field engineer

### **Tower TWR1049 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1097 (O2 - 4G)

■ Tower healthy

### Tower TWR1044 (O2 - 4G)

■ Anomaly detected → Send field engineer

#### Tower TWR1091 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

## Tower TWR1085 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1098 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1067 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### Tower TWR1008 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1011 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1020 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1063 (EE - 5G)**

■ Tower healthy

## **Tower TWR1040 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1098 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1065 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1054 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1025 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1070 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1083 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1051 (EE - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1084 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1025 (Three - 4G)

 $\blacksquare\blacksquare$  Tower overloaded  $\to$  Add capacity / load balancing;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1026 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1014 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1071 (Three - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1065 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1055 (O2 - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1022 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1093 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1015 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1097 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1033 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1064 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

## routing/codecs

## **Tower TWR1020 (O2 - LTE)**

■ Tower healthy

## Tower TWR1030 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1072 (O2 - 4G)

■ Tower healthy

## **Tower TWR1063 (EE - 5G)**

■ Tower healthy

## **Tower TWR1037 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1019 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1058 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1090 (O2 - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1053 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1091 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1093 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1006 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1085 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1010 (Vodafone UK - 4G)

■ Tower healthy

## **Tower TWR1097 (Vodafone UK - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1080 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (Three - 4G)

■ Tower healthy

## Tower TWR1025 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1065 (O2 - 4G)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1035 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

## Tower TWR1019 (EE - LTE)

■ Tower healthy

#### Tower TWR1030 (O2 - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1089 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1002 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1073 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1016 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

## **Tower TWR1055 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1091 (EE - LTE)

■■ Tower overloaded → Add capacity / load balancing

## **Tower TWR1010 (EE - LTE)**

■ Tower healthy

## Tower TWR1060 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1021 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1058 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1074 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1041 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1095 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1088 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1096 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1100 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1088 (Vodafone UK - 4G)

■■ Tower overloaded → Add capacity / load balancing

#### Tower TWR1034 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1071 (EE - LTE)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1018 (O2 - LTE)**

■ Tower healthy

## **Tower TWR1097 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1009 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1010 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1043 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1002 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1022 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1097 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1050 (EE - 4G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1005 (Three - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1090 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1085 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1035 (Three - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1035 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1079 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1046 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1042 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1087 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1034 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1040 (O2 - 5G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1057 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1095 (EE - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## **Tower TWR1001 (O2 - LTE)**

■ High latency → Check backhaul/core network

### **Tower TWR1082 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1000 (O2 - 4G)

■ Tower healthy

### **Tower TWR1070 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1079 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1061 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1022 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1043 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1029 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1038 (O2 - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1064 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1024 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1010 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1090 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1024 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1062 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1080 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1087 (Vodafone UK - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1049 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1042 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1009 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1050 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1050 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1036 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1067 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1034 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1095 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1063 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1021 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1071 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1094 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1048 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1071 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1035 (Three - LTE)**

■ Tower healthy

# Tower TWR1008 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1068 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1100 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1013 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1004 (Vodafone UK - 5G)**

■ Tower healthy

# **Tower TWR1023 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1042 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1098 (O2 - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1081 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1074 (EE - LTE)

■ Tower healthy

### **Tower TWR1020 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1042 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1087 (O2 - 5G)

■ Tower healthy

# Tower TWR1042 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1059 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1065 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1026 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1008 (O2 - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1008 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1019 (Vodafone UK - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1012 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1008 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1088 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1049 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1071 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1000 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1066 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1060 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1004 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1003 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1078 (Vodafone UK - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1096 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1016 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1050 (Three - 5G)

■ Tower healthy

## Tower TWR1095 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1005 (EE - 4G)**

■ Tower healthy

### Tower TWR1071 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1032 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1052 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1090 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1083 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1008 (EE - 5G)**

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1000 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1078 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1089 (Three - LTE)**

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1038 (Three - 4G)

■ High latency → Check backhaul/core network

#### **Tower TWR1037 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1066 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1090 (Vodafone UK - 4G)

■ Tower healthy

#### Tower TWR1030 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1012 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1027 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1045 (Vodafone UK - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

### **Tower TWR1013 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1052 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1023 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1074 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1081 (Three - LTE)**

■ Anomaly detected → Send field engineer

# Tower TWR1034 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1021 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1051 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1074 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1025 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1040 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1060 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1070 (Three - 5G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1026 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1046 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1053 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1064 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1057 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1096 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1040 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1050 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1010 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1026 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1100 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1016 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1100 (Three - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1087 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1014 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1081 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1049 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1003 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1085 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1044 (Vodafone UK - 5G)

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### Tower TWR1048 (EE - LTE)

■ Tower healthy

#### **Tower TWR1039 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1044 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

### Tower TWR1086 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1092 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1080 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1029 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1087 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1014 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1047 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1046 (EE - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1054 (Three - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1015 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

#### **Tower TWR1013 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1070 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1003 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1005 (EE - 4G)**

■ Tower healthy

# Tower TWR1049 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1071 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1086 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### **Tower TWR1012 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1065 (EE - 4G)**

■ Tower healthy

# Tower TWR1027 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1075 (EE - 4G)**

■ Tower healthy

# **Tower TWR1094 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1094 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1008 (Three - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### Tower TWR1029 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1072 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1026 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1043 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1091 (O2 - LTE)**

■ High latency → Check backhaul/core network

### **Tower TWR1047 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1022 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1080 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1076 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1044 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1004 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1023 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1014 (Three - 4G)

■ Tower healthy

### **Tower TWR1004 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1008 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1088 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1037 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1093 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1093 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1100 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1029 (O2 - 4G)

■ Tower healthy

# Tower TWR1080 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1088 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1072 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1054 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1088 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1081 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1058 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1095 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1068 (EE - 5G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1070 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1059 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1013 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1042 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (Three - 4G)

■ Tower healthy

### Tower TWR1081 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1083 (O2 - 4G)

■ Tower healthy

### **Tower TWR1047 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1008 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1019 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### **Tower TWR1095 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1049 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1020 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1044 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1020 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1027 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1078 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1009 (Three - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1094 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1069 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1016 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1080 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1097 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1017 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1085 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1034 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1022 (O2 - 5G)

■ Tower healthy

## Tower TWR1065 (Three - 5G)

■ Tower healthy

### Tower TWR1069 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1028 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1075 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1045 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1072 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1034 (O2 - LTE)

■ High latency → Check backhaul/core network

### **Tower TWR1028 (Three - LTE)**

■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1003 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1030 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1094 (Three - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1014 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1023 (Three - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1076 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1093 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1039 (O2 - LTE)**

■ Tower healthy

# **Tower TWR1080 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1051 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Anomaly detected  $\to$  Send field engineer

# Tower TWR1066 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1087 (EE - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1052 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1091 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1033 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1023 (EE - 4G)**

■ High latency → Check backhaul/core network

### **Tower TWR1045 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1042 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1063 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1041 (O2 - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

## **Tower TWR1048 (EE - 5G)**

■ Tower healthy

#### Tower TWR1006 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

# **Tower TWR1057 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1060 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1032 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1062 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1083 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1063 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1055 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1017 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1027 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1072 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1041 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1094 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1022 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1049 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1093 (Vodafone UK - 5G)

■ Tower healthy

### Tower TWR1093 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1025 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1008 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

#### Tower TWR1092 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1098 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1090 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1001 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1097 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1082 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1038 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1066 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

## **Tower TWR1027 (EE - 5G)**

■ High latency → Check backhaul/core network

### Tower TWR1007 (O2 - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1071 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1039 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# **Tower TWR1044 (EE - 5G)**

■ Tower healthy

### Tower TWR1042 (O2 - 5G)

■ Tower healthy

#### **Tower TWR1082 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1045 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1099 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1081 (Vodafone UK - 4G)**

■ Tower healthy

### Tower TWR1098 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1064 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1011 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1046 (O2 - 5G)

■ Tower healthy

### Tower TWR1064 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1053 (O2 - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1032 (Three - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1020 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1007 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

# **Tower TWR1057 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1027 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1076 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1049 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1050 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1093 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1033 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1009 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1078 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1090 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1077 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1074 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1067 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1090 (EE - LTE)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1003 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1095 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1039 (Vodafone UK - LTE)

■ Tower healthy

### Tower TWR1048 (Three - 4G)

■ Tower healthy

# **Tower TWR1076 (O2 - LTE)**

■ Tower healthy

# Tower TWR1010 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1033 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1020 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1017 (EE - LTE)**

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1071 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1025 (Vodafone UK - 5G)

■ Tower healthy

# **Tower TWR1052 (EE - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1049 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1074 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1018 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1007 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1025 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1069 (EE - LTE)

■ High latency → Check backhaul/core network

## Tower TWR1062 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1021 (Three - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1028 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1070 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1081 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

### **Tower TWR1072 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1052 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1069 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1059 (O2 - 4G)

■ Tower healthy

### Tower TWR1068 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1097 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1075 (EE - 5G)**

■ High latency → Check backhaul/core network

## Tower TWR1021 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1051 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1093 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1044 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1091 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1064 (O2 - 4G)

■ Tower healthy

# Tower TWR1052 (EE - LTE)

■ Tower healthy

# Tower TWR1042 (Three - 5G)

■ Tower healthy

#### Tower TWR1023 (Three - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1038 (Vodafone UK - LTE)**

■ Tower healthy

### **Tower TWR1046 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1065 (EE - 5G)**

■ Tower healthy

### **Tower TWR1086 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1095 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1024 (Vodafone UK - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1037 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1033 (Three - LTE)**

 $\blacksquare\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1070 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1047 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1004 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1073 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1078 (Vodafone UK - LTE)

■ Tower healthy

### Tower TWR1061 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1046 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1089 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1045 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1075 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1051 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1060 (O2 - LTE)

■ Tower healthy

## Tower TWR1080 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1046 (Vodafone UK - 5G)

■ Tower healthy

# **Tower TWR1001 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1042 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1072 (O2 - 5G)

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1089 (Three - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1087 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1061 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1024 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1057 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1020 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1098 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1028 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1083 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1090 (Three - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1029 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1010 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1058 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1002 (EE - LTE)

■ Tower healthy

### **Tower TWR1100 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1049 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1048 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1078 (O2 - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1006 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1017 (O2 - LTE)**

■ Tower healthy

# **Tower TWR1096 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1057 (Three - 4G)

■ High latency → Check backhaul/core network

### **Tower TWR1030 (EE - 4G)**

■ Tower healthy

## Tower TWR1002 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### **Tower TWR1062 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1093 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1045 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1007 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

### bandwidth

# Tower TWR1022 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1084 (Three - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1034 (Three - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1084 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1094 (Three - 4G)

■ Tower healthy

# Tower TWR1003 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1005 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1042 (O2 - 5G)

■ Tower healthy

### Tower TWR1015 (O2 - 4G)

■ Tower healthy

### Tower TWR1023 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1002 (Vodafone UK - 5G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1092 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1065 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1099 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1074 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1098 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1072 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1020 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1097 (O2 - 4G)

■ Tower healthy

### Tower TWR1064 (EE - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1030 (Three - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1063 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1034 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1057 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1050 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1046 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1000 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1018 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1029 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1052 (EE - 4G)**

■ Tower healthy

# **Tower TWR1017 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1001 (EE - 4G)**

■ Anomaly detected → Send field engineer

# Tower TWR1027 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1014 (O2 - LTE)**

■ Tower healthy

# Tower TWR1045 (O2 - 5G)

■ Tower healthy

## Tower TWR1020 (EE - LTE)

■ Tower healthy

# **Tower TWR1082 (EE - 5G)**

■ Tower healthy

# **Tower TWR1037 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1090 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1094 (EE - 5G)

■■ Tower overloaded → Add capacity / load balancing

#### Tower TWR1069 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1052 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1041 (O2 - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

## Tower TWR1058 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1003 (O2 - LTE)**

■ Tower healthy

#### **Tower TWR1055 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

### **Tower TWR1057 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1084 (Three - 5G)

■ High latency → Check backhaul/core network

## Tower TWR1006 (Vodafone UK - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1051 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1035 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1026 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1015 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### Tower TWR1054 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1031 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1076 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1048 (EE - LTE)

■ Anomaly detected → Send field engineer

### Tower TWR1010 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1083 (EE - 5G)**

■ Tower healthy

### Tower TWR1038 (EE - LTE)

■ High latency → Check backhaul/core network

# **Tower TWR1029 (O2 - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1089 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1059 (Vodafone UK - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1023 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1099 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1012 (EE - LTE)

■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1006 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1013 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1029 (Vodafone UK - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1054 (Vodafone UK - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1073 (O2 - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1000 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1009 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1094 (O2 - 4G)

■ Tower healthy

# **Tower TWR1046 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

## Tower TWR1012 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1021 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1067 (Vodafone UK - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1079 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1013 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1078 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1026 (O2 - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1026 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1020 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1000 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1028 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1040 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1097 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1030 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1019 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1034 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1040 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1035 (EE - LTE)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1090 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1092 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1029 (Three - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1079 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

### Tower TWR1039 (Three - 4G)

■ Tower healthy

#### Tower TWR1085 (EE - LTE)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1060 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1025 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1006 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1084 (Three - 5G)

■ Tower healthy

### Tower TWR1003 (O2 - 5G)

■ Tower healthy

### Tower TWR1072 (EE - LTE)

■ Tower healthy

## **Tower TWR1009 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1095 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1029 (O2 - 5G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1074 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1085 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1037 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1036 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1013 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1086 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1033 (EE - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1008 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1037 (Vodafone UK - LTE)

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1004 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1036 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1012 (O2 - 5G)

■ Tower healthy

# Tower TWR1030 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1006 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1054 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1026 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

# Tower TWR1059 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1081 (Three - LTE)**

■ Tower healthy

# Tower TWR1051 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1034 (O2 - LTE)

■ Tower healthy

#### Tower TWR1066 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1079 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1023 (Three - LTE)**

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

# **Tower TWR1096 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1097 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1043 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1017 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1021 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1065 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1016 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1067 (EE - 4G)**

■ High latency → Check backhaul/core network

#### Tower TWR1087 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1037 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1092 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1067 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1098 (EE - 4G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1065 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1054 (Three - LTE)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due →

# **Tower TWR1072 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1086 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1052 (O2 - LTE)**

■ Tower healthy

# Tower TWR1036 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1044 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1041 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1080 (Three - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1090 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1022 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1039 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1095 (EE - LTE)

■ Tower healthy

#### **Tower TWR1062 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1099 (O2 - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1007 (EE - 4G)**

■ High latency → Check backhaul/core network

#### Tower TWR1054 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1029 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1061 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1058 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1040 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1030 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1010 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1040 (O2 - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1019 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1079 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1055 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1044 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1074 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1049 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1041 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1049 (EE - LTE)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1004 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1016 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1034 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1022 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1046 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1060 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1044 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1088 (Vodafone UK - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1042 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1059 (Three - 4G)

■ High latency → Check backhaul/core network

#### **Tower TWR1095 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1015 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1060 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1092 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1088 (Three - 4G)

■ Anomaly detected → Send field engineer

# Tower TWR1086 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1015 (O2 - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1028 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1002 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1035 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1047 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1016 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1080 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1081 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1053 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1041 (EE - LTE)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1056 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1004 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1088 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1042 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1100 (EE - 5G)**

■ High latency → Check backhaul/core network

# **Tower TWR1072 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1044 (Three - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1057 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1038 (EE - 4G)**

■ Tower healthy

#### Tower TWR1012 (EE - LTE)

■ High latency → Check backhaul/core network

# Tower TWR1041 (O2 - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1022 (Vodafone UK - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1030 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1069 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1079 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1047 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1029 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1029 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1029 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1095 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1045 (Vodafone UK - 5G)**

■ Tower healthy

#### Tower TWR1009 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1093 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1011 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1063 (O2 - 5G)

■ Tower healthy

# Tower TWR1037 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1052 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1083 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1080 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1093 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1089 (O2 - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1071 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1006 (EE - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1095 (EE - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP

# routing/codecs

# Tower TWR1055 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1094 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1011 (EE - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1080 (Three - 5G)

■ Tower healthy

# **Tower TWR1059 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1057 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1001 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1045 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1061 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1089 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1076 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1053 (O2 - 5G)

■ Tower healthy

# **Tower TWR1078 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1070 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1012 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1079 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1041 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1031 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1068 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1038 (O2 - 5G)

■ Tower healthy

# Tower TWR1077 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1018 (EE - 5G)**

■ Tower healthy

# Tower TWR1016 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1013 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1092 (EE - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1092 (EE - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1005 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1000 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1015 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1082 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1100 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1084 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1034 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1016 (O2 - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1006 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1067 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1045 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1016 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1050 (EE - 4G)**

■ Tower healthy

#### Tower TWR1095 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1097 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1014 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1064 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1012 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1043 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1084 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1072 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1018 (O2 - LTE)**

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1062 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1086 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1057 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1090 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1078 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

#### Tower TWR1030 (O2 - 5G)

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1069 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1030 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1091 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1015 (Three - 4G)

■ Tower healthy

# Tower TWR1052 (O2 - 5G)

■ Tower healthy

# Tower TWR1030 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1054 (Vodafone UK - 5G)

■ Tower healthy

# **Tower TWR1047 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1028 (O2 - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1063 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1092 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1010 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1060 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1062 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1020 (O2 - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1005 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1054 (Vodafone UK - 5G)

■ Tower healthy

# **Tower TWR1074 (EE - LTE)**

■ Tower healthy

# **Tower TWR1034 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1084 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1074 (Three - 5G)

■ Tower healthy

# **Tower TWR1008 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1083 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1002 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1020 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1070 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1026 (Three - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1009 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1071 (EE - 5G)**

■ Tower healthy

# Tower TWR1077 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1002 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1090 (EE - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1079 (O2 - LTE)**

■ Tower healthy

# Tower TWR1065 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1030 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1040 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1016 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1078 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1068 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1088 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1083 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1043 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1095 (Three - 5G)

■ Tower healthy

# **Tower TWR1038 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1042 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1004 (Vodafone UK - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1016 (Three - LTE)**

■ Tower healthy

# Tower TWR1018 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1008 (O2 - 5G)

■ Tower healthy

# Tower TWR1076 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1036 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1052 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1030 (O2 - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1045 (EE - 5G)**

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1033 (Three - LTE)**

■ High latency → Check backhaul/core network

# **Tower TWR1013 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1010 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1057 (Three - 5G)

■ Tower healthy

#### Tower TWR1090 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1083 (Three - 4G)

■ Tower healthy

# Tower TWR1054 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1090 (EE - LTE)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1043 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1019 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1091 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1050 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1097 (O2 - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1039 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1026 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1005 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1067 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1026 (EE - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1019 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1046 (EE - LTE)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1047 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1013 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1088 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1091 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1042 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1040 (O2 - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1065 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1019 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1004 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# **Tower TWR1036 (EE - 5G)**

■ Tower healthy

#### **Tower TWR1056 (EE - 4G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1079 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1072 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1083 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1005 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1072 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1045 (EE - 4G)**

■ Tower healthy

#### Tower TWR1094 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1047 (EE - 4G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1096 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1075 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1035 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1024 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1018 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1099 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1051 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1066 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1008 (O2 - 4G)

■ Tower healthy

#### Tower TWR1001 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1057 (EE - LTE)

■ Tower healthy

#### Tower TWR1099 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1057 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1044 (O2 - LTE)

■ Tower healthy

# **Tower TWR1054 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1094 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1075 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

# Tower TWR1005 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1083 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1039 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1033 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1012 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1077 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ Anomaly detected  $\rightarrow$  Send field engineer

#### **Tower TWR1008 (EE - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1086 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1043 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1020 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1068 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1097 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1040 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1045 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1085 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1093 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1033 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1008 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1035 (Vodafone UK - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1054 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1025 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1068 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1049 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1073 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1034 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1082 (Vodafone UK - LTE)**

 $\blacksquare \ \, \text{Packet loss high} \to \text{Optimize VoIP routing/codecs}$ 

# **Tower TWR1071 (Three - LTE)**

■ Tower healthy

# **Tower TWR1041 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1053 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1073 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1049 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1041 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1018 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

# routing/codecs

# **Tower TWR1068 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1079 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1019 (EE - 4G)**

■ Tower healthy

# **Tower TWR1070 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1083 (O2 - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1013 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1053 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1038 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1099 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1023 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1031 (Three - 5G)

■ Tower healthy

# Tower TWR1003 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network

#### **Tower TWR1021 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1021 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1043 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1067 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# **Tower TWR1060 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1039 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1089 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1007 (EE - 5G)**

■ Tower healthy

# Tower TWR1048 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1058 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1023 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1042 (EE - 5G)**

■ High latency → Check backhaul/core network

# Tower TWR1051 (O2 - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1038 (O2 - LTE)**

■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1094 (Vodafone UK - LTE)**

■ Tower healthy

#### Tower TWR1057 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1097 (Vodafone UK - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1006 (EE - 5G)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1054 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1081 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1091 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1035 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1079 (Three - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1053 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1023 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1082 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1085 (EE - LTE)

■ High latency → Check backhaul/core network

# **Tower TWR1003 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1084 (Vodafone UK - 4G)

■ Tower healthy

#### Tower TWR1062 (O2 - LTE)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1019 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1076 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1082 (O2 - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1092 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1019 (O2 - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1090 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1084 (Vodafone UK - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1016 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1002 (Three - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1020 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1078 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1076 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1000 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1074 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1066 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1005 (EE - LTE)

■ Tower healthy

# **Tower TWR1014 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1097 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1034 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1036 (EE - LTE)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1099 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1097 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1098 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1003 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1034 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1093 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1058 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1000 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1014 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1027 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1004 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1009 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1003 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1097 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1032 (EE - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP

# routing/codecs

# Tower TWR1042 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1044 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1089 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1022 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1030 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

# **Tower TWR1022 (Vodafone UK - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1007 (O2 - 4G)

■ Tower healthy

# Tower TWR1017 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1048 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1014 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1051 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1060 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1097 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1018 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1084 (EE - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1048 (Three - LTE)**

■ Tower healthy

#### Tower TWR1025 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1020 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1096 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1083 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1088 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1041 (O2 - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1039 (Three - 5G)

■ Tower healthy

#### Tower TWR1029 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1007 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1017 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1001 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1001 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1087 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1043 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1085 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1033 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1079 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1077 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1048 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1099 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1022 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1000 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1048 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1096 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1057 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1047 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1035 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1043 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1015 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1000 (EE - 5G)**

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1076 (Three - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

# Tower TWR1082 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1073 (EE - 4G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1100 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1002 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1074 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1025 (Three - LTE)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### Tower TWR1094 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1023 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1025 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1094 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1021 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1058 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1085 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1010 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1100 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1059 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1051 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1063 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

#### **Tower TWR1020 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1010 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1064 (O2 - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1027 (Three - LTE)**

■ Tower healthy

# **Tower TWR1080 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1007 (O2 - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network

# **Tower TWR1026 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# Tower TWR1015 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1035 (EE - LTE)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1088 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1019 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1006 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1018 (O2 - 5G)

■ Tower healthy

### **Tower TWR1076 (EE - 4G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1050 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1057 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (O2 - 4G)

■ Tower healthy

# Tower TWR1017 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1023 (O2 - 4G)

■ Tower healthy

# Tower TWR1038 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1071 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1023 (EE - LTE)

■ Tower healthy

### **Tower TWR1093 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1061 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1030 (EE - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1026 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1095 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1040 (EE - LTE)

■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1041 (EE - LTE)

■ High latency → Check backhaul/core network

### **Tower TWR1005 (EE - 5G)**

■ High latency → Check backhaul/core network

### Tower TWR1076 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1071 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1033 (O2 - LTE)**

■ Tower healthy

### **Tower TWR1092 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1040 (Three - 5G)

■ Tower healthy

### **Tower TWR1047 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1010 (Three - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1018 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1069 (EE - 4G)**

■ High latency → Check backhaul/core network

### Tower TWR1031 (Three - 4G)

■ Tower healthy

## Tower TWR1035 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1091 (EE - LTE)

■ Tower healthy

# Tower TWR1030 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1073 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1071 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1057 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1098 (Three - LTE)**

■ Tower healthy

### Tower TWR1084 (O2 - LTE)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1074 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1001 (EE - LTE)

■ Tower healthy

### Tower TWR1099 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1049 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1069 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

bandwidth;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1040 (EE - 5G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1017 (EE - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1008 (EE - 5G)**

■ Tower healthy

### **Tower TWR1050 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1026 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1038 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## **Tower TWR1040 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1074 (EE - 4G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1015 (Vodafone UK - 5G)

■ Tower healthy

#### Tower TWR1032 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1062 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1053 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1009 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1034 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1013 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1013 (Vodafone UK - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1055 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1082 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1070 (O2 - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1084 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1029 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1031 (EE - LTE)

■ Tower healthy

### Tower TWR1091 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1045 (Three - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1020 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1092 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

### routing/codecs

# Tower TWR1087 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1059 (Vodafone UK - 4G)

■ Tower healthy

#### Tower TWR1070 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1066 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1095 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1024 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1033 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1049 (Three - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1006 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1015 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1093 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1074 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1006 (O2 - 4G)

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

### **Tower TWR1080 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1082 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1083 (EE - 5G)**

■ Tower healthy

### **Tower TWR1024 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1039 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1010 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1046 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1026 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1092 (Three - 5G)

■ Tower healthy

#### Tower TWR1025 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1063 (EE - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1026 (EE - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1081 (Three - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1076 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1078 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1044 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1005 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1062 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

# **Tower TWR1054 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1036 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1081 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1009 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1071 (Vodafone UK - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1097 (Vodafone UK - LTE)**

■ Tower healthy

# **Tower TWR1018 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1017 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1071 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1032 (Three - LTE)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1049 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1008 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1002 (Three - LTE)**

■ Tower healthy

### **Tower TWR1043 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1075 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1069 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1098 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1061 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1083 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1033 (Vodafone UK - 5G)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1062 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1080 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1057 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1007 (Three - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1021 (O2 - LTE)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## **Tower TWR1023 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1029 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1032 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1033 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1083 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1068 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1071 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1046 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1036 (O2 - 5G)

■ High latency → Check backhaul/core network

#### **Tower TWR1020 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1068 (O2 - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1047 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1075 (Three - 4G)

■ Tower healthy

# Tower TWR1029 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1028 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1070 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1031 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1048 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1034 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1086 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1037 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1068 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1090 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1061 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1006 (Three - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1036 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1060 (EE - 5G)**

■ High latency → Check backhaul/core network

### Tower TWR1038 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1055 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1096 (Three - 4G)

■ Tower healthy

# **Tower TWR1053 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1080 (EE - LTE)

■ High latency → Check backhaul/core network

# Tower TWR1005 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1089 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1080 (Three - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1008 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### **Tower TWR1038 (EE - 4G)**

■ High latency → Check backhaul/core network

### Tower TWR1005 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

#### Tower TWR1083 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1032 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1059 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1039 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1059 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1027 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1048 (O2 - 5G)

■ Tower healthy

#### Tower TWR1051 (O2 - 4G)

■ High latency → Check backhaul/core network

# **Tower TWR1057 (Three - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1092 (EE - LTE)

■ Tower healthy

# Tower TWR1086 (O2 - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1083 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1035 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1023 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1026 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1009 (O2 - 4G)

■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1035 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1010 (EE - 5G)**

■ Tower healthy

### Tower TWR1092 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1085 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1076 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1078 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1029 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1004 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1078 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1072 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1077 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1056 (EE - 5G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### **Tower TWR1009 (O2 - LTE)**

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1034 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1082 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1033 (Vodafone UK - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1022 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1055 (Three - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1002 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1080 (Three - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1067 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1018 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1041 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1010 (EE - 4G)**

■ High latency → Check backhaul/core network

# **Tower TWR1095 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1000 (Vodafone UK - LTE)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1077 (EE - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# Tower TWR1051 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1067 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1065 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1002 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1077 (Three - 4G)

■ Tower healthy

### Tower TWR1052 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1016 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1040 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1066 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1075 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1089 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1005 (Vodafone UK - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1009 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1074 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1081 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1048 (Vodafone UK - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1012 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1036 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1085 (Three - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1026 (EE - 4G)**

■ Tower healthy

#### Tower TWR1052 (Three - 5G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1076 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1017 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1053 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1079 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1044 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1026 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# Tower TWR1018 (EE - LTE)

■ Anomaly detected → Send field engineer

### **Tower TWR1056 (Vodafone UK - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1038 (EE - LTE)

■ Tower healthy

#### Tower TWR1082 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1040 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1043 (Vodafone UK - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1074 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1098 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1090 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1029 (O2 - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1043 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1083 (O2 - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1042 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1031 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1020 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1072 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1027 (O2 - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1054 (Three - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1034 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1081 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1028 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### Tower TWR1099 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1021 (Three - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1043 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1082 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1086 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1092 (O2 - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1011 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1097 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$  Anomaly detected  $\to$  Send field engineer

# **Tower TWR1060 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1046 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1069 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1002 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1013 (EE - 4G)**

■ Tower healthy

# **Tower TWR1098 (EE - 4G)**

■ Tower healthy

# **Tower TWR1013 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1022 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1038 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1052 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1080 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1086 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1022 (Three - LTE)**

■ Tower healthy

### **Tower TWR1038 (EE - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### Tower TWR1071 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1068 (Vodafone UK - LTE)**

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

# **Tower TWR1014 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1036 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

#### bandwidth

# Tower TWR1070 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1057 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1049 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1063 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1040 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1053 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1091 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1088 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1038 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1037 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1027 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1051 (O2 - 5G)

■ Tower healthy

# Tower TWR1005 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1012 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1091 (EE - LTE)

■ High latency → Check backhaul/core network

#### **Tower TWR1053 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1032 (EE - 5G)**

■ Tower healthy

### Tower TWR1025 (Three - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1072 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1087 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1026 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1047 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1033 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1088 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1048 (EE - LTE)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1089 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1046 (EE - 5G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due →

### Replace/upgrade tower

# Tower TWR1096 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1073 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1001 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1050 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1088 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1034 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1083 (Three - 5G)

■ Tower healthy

# **Tower TWR1028 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1064 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1048 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1004 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1065 (EE - 5G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1096 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1032 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1000 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1082 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1087 (Three - 5G)

■ Tower healthy

#### Tower TWR1092 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1022 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1054 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1077 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1024 (Vodafone UK - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1034 (O2 - 5G)

■ Tower healthy

## Tower TWR1057 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1027 (Three - 5G)

■ High latency → Check backhaul/core network

# **Tower TWR1084 (Three - LTE)**

■ Tower healthy

#### Tower TWR1025 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1064 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1014 (EE - 4G)**

■ High latency → Check backhaul/core network

### Tower TWR1013 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1043 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1035 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1050 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1041 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1016 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1082 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1025 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1094 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1084 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1046 (EE - LTE)

■ Tower healthy

#### Tower TWR1051 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1053 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1082 (O2 - LTE)

■ Tower healthy

### **Tower TWR1038 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1093 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1030 (EE - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower; ■ Anomaly detected → Send field engineer

# **Tower TWR1078 (O2 - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1039 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1083 (Vodafone UK - 5G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

### Tower TWR1040 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1095 (Vodafone UK - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1030 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1036 (O2 - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1075 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1049 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1034 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1000 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1055 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1037 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1089 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

### **Tower TWR1047 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1080 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1065 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1099 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1047 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1018 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1053 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1091 (O2 - 5G)

■ Tower healthy

### Tower TWR1030 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1020 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1034 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1042 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1056 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1050 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1095 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1042 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1037 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1087 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1092 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1042 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1018 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1012 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1063 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1009 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1046 (Three - LTE)**

■ Tower healthy

### **Tower TWR1023 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1022 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1052 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1008 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1094 (Three - LTE)

■ High latency → Check backhaul/core network

#### Tower TWR1059 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

### routing/codecs

# **Tower TWR1012 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1036 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1064 (EE - 5G)

■ Anomaly detected → Send field engineer

### **Tower TWR1041 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1056 (O2 - LTE)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1042 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1097 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1060 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1031 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1082 (O2 - 4G)

■ Tower healthy

# Tower TWR1003 (EE - LTE)

■ High latency → Check backhaul/core network

### Tower TWR1037 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1098 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1051 (Three - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1082 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1012 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1055 (Three - 4G)

■ Anomaly detected → Send field engineer

### Tower TWR1029 (O2 - 4G)

■ High latency → Check backhaul/core network

# Tower TWR1085 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1074 (EE - LTE)

■ Tower healthy

### Tower TWR1033 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1065 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1037 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1013 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1020 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### **Tower TWR1042 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1087 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1039 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1039 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1098 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1068 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1082 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1026 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1100 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1060 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1097 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1012 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1055 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1005 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1029 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1091 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1049 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1099 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1069 (O2 - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1088 (EE - 5G)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1085 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1037 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1034 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1079 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1049 (EE - LTE)

■ High latency → Check backhaul/core network

# Tower TWR1006 (O2 - LTE)

■ Tower healthy

### Tower TWR1005 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1060 (Three - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1008 (O2 - 4G)

■ Tower healthy

## **Tower TWR1058 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1062 (EE - 4G)**

■ High latency → Check backhaul/core network

# Tower TWR1012 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1093 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1014 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1078 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

### Tower TWR1008 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1034 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1020 (Vodafone UK - LTE)**

■ Tower healthy

# Tower TWR1026 (O2 - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1054 (Three - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1075 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1038 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1012 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1021 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1078 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1052 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1040 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1063 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1078 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1048 (EE - 5G)**

■ Anomaly detected → Send field engineer

# **Tower TWR1013 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1026 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# Tower TWR1030 (Three - 5G)

■ Tower healthy

## Tower TWR1062 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1030 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1086 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1009 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1096 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1062 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1073 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1076 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1078 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1074 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1031 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1040 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1053 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1004 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1017 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1080 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1058 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1095 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1002 (Vodafone UK - LTE)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

#### Tower TWR1067 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1020 (EE - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1020 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1060 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1088 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1065 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1033 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1090 (Three - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1083 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower;
■ Anomaly detected → Send field engineer

#### Tower TWR1084 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1025 (O2 - 5G)

■ Tower healthy

## Tower TWR1039 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1076 (Three - 5G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1016 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1045 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1022 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1016 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1005 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1014 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1057 (EE - 5G)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1052 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1000 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1043 (Three - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1014 (Vodafone UK - 4G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1095 (Three - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1043 (EE - 4G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1018 (Vodafone UK - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1015 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1053 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1093 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1088 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1017 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## **Tower TWR1073 (O2 - LTE)**

■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1006 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1076 (O2 - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1022 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1054 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1024 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1085 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1076 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1070 (O2 - 5G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1071 (Three - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1073 (EE - 5G)**

■ Tower healthy

## **Tower TWR1027 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1045 (EE - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1060 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1025 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

## **Tower TWR1024 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1058 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1024 (EE - 5G)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1012 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1070 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1057 (O2 - 5G)

■ Tower healthy

# **Tower TWR1060 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1088 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1043 (EE - LTE)

■ Tower healthy

## Tower TWR1006 (EE - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1070 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1072 (EE - 4G)**

## Tower TWR1099 (Three - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1021 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# **Tower TWR1050 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1094 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1030 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1090 (Three - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1031 (EE - 5G)**

■ Tower healthy

## Tower TWR1008 (Three - 4G)

■ Tower healthy

## Tower TWR1037 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1044 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1059 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1026 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1088 (EE - 5G)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1086 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1035 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

## Tower TWR1039 (EE - LTE)

■ Tower healthy

# **Tower TWR1057 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1028 (Three - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1014 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1068 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1099 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1044 (O2 - LTE)

■ Tower healthy

## **Tower TWR1067 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1090 (EE - 4G)**

 $\blacksquare\blacksquare$  Tower overloaded  $\to$  Add capacity / load balancing;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1080 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1076 (EE - LTE)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1074 (Vodafone UK - 5G)

## **Tower TWR1066 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1072 (O2 - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1071 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1092 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1055 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1035 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## **Tower TWR1056 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1053 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1030 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1046 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1044 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1027 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1036 (Three - 5G)

#### Tower TWR1060 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1036 (EE - 5G)**

■ Tower healthy

## Tower TWR1083 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1035 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1026 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1071 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1099 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1079 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1071 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1099 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1036 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1033 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1002 (Vodafone UK - LTE)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1088 (EE - 4G)**

■ High latency → Check backhaul/core network

#### **Tower TWR1076 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1013 (Three - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1063 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1002 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1023 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1083 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1056 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1090 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1026 (Vodafone UK - 4G)**

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1092 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1064 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1054 (Three - LTE)**

## **Tower TWR1050 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1090 (Three - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1037 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1004 (EE - 4G)**

■ Tower healthy

#### Tower TWR1054 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1069 (O2 - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1034 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1040 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1028 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1065 (O2 - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1014 (Three - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# **Tower TWR1032 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1074 (EE - 5G)**

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

## **Tower TWR1020 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1054 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1089 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1081 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1024 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1095 (Vodafone UK - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1089 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1049 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1084 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1096 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1085 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1063 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1040 (Vodafone UK - LTE)**

#### Tower TWR1049 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1014 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1052 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1064 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1004 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1063 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1086 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1042 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (Vodafone UK - 4G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1094 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1098 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1022 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1050 (O2 - LTE)**

## **Tower TWR1008 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1028 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1010 (O2 - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1058 (O2 - 5G)

■ High latency → Check backhaul/core network

#### **Tower TWR1064 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## **Tower TWR1012 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1088 (Three - 5G)

■ Tower healthy

#### Tower TWR1066 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1047 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1020 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1088 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1004 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1088 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1078 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1065 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1065 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1003 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1088 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1078 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1075 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1021 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1015 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1047 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1051 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1040 (O2 - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1054 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1062 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1089 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1041 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1003 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1071 (O2 - 5G)

■ Anomaly detected → Send field engineer

#### Tower TWR1033 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1007 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1003 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1032 (O2 - LTE)**

■ Tower healthy

## **Tower TWR1003 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1078 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1086 (EE - 5G)**

■ Tower healthy

# **Tower TWR1046 (EE - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1085 (Three - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1031 (Vodafone UK - LTE)**

## Tower TWR1098 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1030 (Vodafone UK - 4G)

■ Tower healthy

## **Tower TWR1053 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1009 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## Tower TWR1015 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1034 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1003 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1051 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1024 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1081 (O2 - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1016 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1001 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1049 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1063 (Vodafone UK - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1032 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1080 (Vodafone UK - LTE)**

■ Tower healthy

# **Tower TWR1050 (Three - LTE)**

■ Tower healthy

## Tower TWR1080 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1062 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1046 (EE - LTE)**

■ Tower healthy

## Tower TWR1040 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1046 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1084 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1035 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1026 (Three - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1025 (Vodafone UK - 5G)**

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network

# **Tower TWR1008 (EE - 4G)**

■ Tower healthy

#### **Tower TWR1086 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1027 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1023 (Three - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1082 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1016 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1089 (EE - 4G)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1052 (EE - 5G)**

■ Tower healthy

## Tower TWR1030 (Three - 5G)

■ Tower healthy

## Tower TWR1026 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1043 (EE - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1069 (Three - 5G)

■ Tower healthy

## Tower TWR1075 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1090 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1043 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## **Tower TWR1021 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1052 (EE - 5G)**

■ Tower healthy

## Tower TWR1051 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1038 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1060 (Three - LTE)**

■ Tower healthy

#### **Tower TWR1068 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1031 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## Tower TWR1033 (O2 - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1078 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1018 (O2 - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1040 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1002 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1098 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1024 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1006 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1080 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1074 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1078 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1094 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1072 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1026 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1057 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1053 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1096 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1038 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1049 (EE - LTE)

■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1061 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1005 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1093 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1005 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1059 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1003 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1024 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1015 (EE - 5G)**

■ High latency → Check backhaul/core network

## Tower TWR1010 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1094 (Vodafone UK - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1096 (Three - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1078 (EE - LTE)

■ Tower healthy

## Tower TWR1066 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1076 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## Tower TWR1035 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1049 (Vodafone UK - 5G)

■ Anomaly detected → Send field engineer

## Tower TWR1003 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1020 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1047 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1079 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1034 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1030 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1092 (O2 - 4G)

#### Tower TWR1008 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1092 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1059 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1012 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1062 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1048 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1093 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1021 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1044 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1034 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1049 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1027 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1023 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1068 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1033 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1048 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1065 (Vodafone UK - LTE)**

■ Tower healthy

## **Tower TWR1079 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1076 (Vodafone UK - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

#### Tower TWR1090 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1074 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1036 (O2 - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1008 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1068 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1017 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1035 (Vodafone UK - LTE)**

■ Tower healthy

#### Tower TWR1047 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1057 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1001 (EE - LTE)**

■ Tower healthy

## Tower TWR1000 (O2 - LTE)

■ High latency → Check backhaul/core network

## **Tower TWR1099 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1020 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1070 (EE - 5G)**

■ High latency → Check backhaul/core network

## Tower TWR1038 (Vodafone UK - 5G)

■ Anomaly detected → Send field engineer

## **Tower TWR1061 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1068 (Three - 5G)

■ Tower healthy

## **Tower TWR1021 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1093 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1050 (EE - 4G)**

■ Tower healthy

## Tower TWR1062 (Vodafone UK - 5G)

#### **Tower TWR1055 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1071 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1001 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1091 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

#### **Tower TWR1085 (EE - 4G)**

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1037 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1042 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

# Tower TWR1038 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1003 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1033 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1008 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1005 (Vodafone UK - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1031 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1031 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1059 (Three - LTE)**

■ High latency → Check backhaul/core network

## Tower TWR1007 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1087 (O2 - 5G)

■ Tower healthy

## **Tower TWR1036 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1093 (O2 - LTE)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1053 (O2 - 4G)

■ High latency → Check backhaul/core network

## **Tower TWR1078 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1046 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1052 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1018 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1033 (O2 - LTE)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1063 (EE - 4G)**

■ Tower healthy

#### Tower TWR1005 (EE - LTE)

■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

#### Tower TWR1037 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

## Tower TWR1023 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

## Tower TWR1042 (Three - 4G)

■ Tower healthy

#### **Tower TWR1045 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1013 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1070 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1013 (Vodafone UK - 4G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ Anomaly detected  $\rightarrow$  Send field engineer

#### **Tower TWR1077 (EE - 4G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# Tower TWR1048 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1075 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1030 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1034 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1006 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1065 (Three - LTE)**

■ Tower healthy

## Tower TWR1041 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1080 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1033 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1095 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1048 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1005 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1061 (Vodafone UK - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

# **Tower TWR1063 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1095 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1011 (O2 - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1086 (O2 - 5G)

 $\blacksquare \ \mathsf{Packet} \ \mathsf{loss} \ \mathsf{high} \to \mathsf{Optimize} \ \mathsf{VoIP} \ \mathsf{routing/codecs}$ 

## Tower TWR1086 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1081 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1089 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1063 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1043 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1050 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

## **Tower TWR1097 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1053 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1091 (O2 - 5G)

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# Tower TWR1064 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1024 (Three - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1038 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP

routing/codecs; ■ Anomaly detected → Send field engineer

## Tower TWR1068 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1034 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1095 (O2 - 5G)

■■ Tower overloaded → Add capacity / load balancing

## **Tower TWR1069 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1019 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1044 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1031 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1026 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1099 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1078 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

## Tower TWR1034 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1011 (Three - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1088 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1004 (Three - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1054 (EE - LTE)

■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1003 (O2 - 5G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1086 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1100 (O2 - LTE)**

■ Tower healthy

## **Tower TWR1075 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1005 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1066 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1048 (EE - LTE)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1010 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1071 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1075 (EE - 5G)**

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# **Tower TWR1085 (O2 - LTE)**

#### Tower TWR1080 (Three - 5G)

■ High latency → Check backhaul/core network

#### Tower TWR1025 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1000 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### **Tower TWR1085 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1034 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1048 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1095 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1085 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1073 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1068 (O2 - LTE)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1068 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1053 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1000 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1052 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1069 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1053 (Three - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1005 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1030 (EE - LTE)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1047 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1067 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1034 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

## Tower TWR1025 (O2 - 4G)

■ Tower healthy

## Tower TWR1064 (O2 - 4G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1066 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1087 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1094 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1065 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1009 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### Tower TWR1011 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1000 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1051 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1022 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1020 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1003 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1011 (O2 - LTE)**

■ High latency → Check backhaul/core network

### Tower TWR1082 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1021 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

# **Tower TWR1049 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1084 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due →

### Replace/upgrade tower

## **Tower TWR1089 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1066 (EE - 4G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1071 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1015 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network

## **Tower TWR1010 (Three - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

### **Tower TWR1032 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1033 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1086 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1096 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1022 (Vodafone UK - 4G)

■ Tower healthy

# Tower TWR1071 (O2 - 5G)

■ Tower healthy

### Tower TWR1022 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1006 (Three - 5G)

■ Tower healthy

#### **Tower TWR1070 (Three - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1080 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### **Tower TWR1019 (O2 - LTE)**

■ Tower healthy

#### Tower TWR1037 (Three - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1080 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1038 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1015 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1040 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1035 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1100 (EE - 4G)**

■ High latency → Check backhaul/core network

### **Tower TWR1084 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1036 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1035 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1015 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1036 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1018 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1039 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1064 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1005 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1004 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1043 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1011 (Vodafone UK - 5G)**

■ Tower healthy

### **Tower TWR1082 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1044 (EE - 5G)**

■ Tower healthy

# **Tower TWR1044 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1067 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

## **Tower TWR1045 (Vodafone UK - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1084 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1073 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1009 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1013 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

#### **Tower TWR1015 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1049 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1056 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1049 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1098 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

# Tower TWR1042 (Vodafone UK - 4G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1025 (Three - 4G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1086 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1090 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1024 (EE - LTE)**

■ Tower healthy

## Tower TWR1019 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower;
■ Anomaly detected → Send field engineer

## **Tower TWR1018 (Vodafone UK - LTE)**

■ Tower healthy

### **Tower TWR1037 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1006 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1054 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1092 (EE - 5G)**

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### **Tower TWR1017 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1050 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1012 (EE - 5G)**

■ Tower healthy

# Tower TWR1051 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1079 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1073 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1003 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1049 (EE - LTE)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1057 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1074 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1091 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1095 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1025 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1029 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1012 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1037 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1011 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1023 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1059 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1044 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1032 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1031 (O2 - LTE)**

■ Tower healthy

## **Tower TWR1088 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1030 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1060 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1054 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1039 (Vodafone UK - 4G)

■ Tower healthy

### Tower TWR1098 (O2 - 4G)

■ High latency → Check backhaul/core network

#### **Tower TWR1012 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1018 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1040 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1056 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

#### Tower TWR1003 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1031 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# **Tower TWR1064 (EE - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1000 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1050 (Vodafone UK - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1071 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1076 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1099 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1000 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1084 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1016 (EE - 4G)**

■ High latency → Check backhaul/core network

# **Tower TWR1071 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1056 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1060 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1083 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1042 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1062 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1082 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1004 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1097 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1050 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1084 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1055 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1026 (O2 - 5G)

■ Tower healthy

## **Tower TWR1016 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1038 (EE - LTE)

■ Tower healthy

#### Tower TWR1078 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1099 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1035 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1019 (O2 - LTE)**

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1016 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1035 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1050 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1067 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1001 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1041 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1091 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1063 (EE - 5G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1038 (Three - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1056 (O2 - 5G)

■ High latency  $\rightarrow$  Check backhaul/core network; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

# Tower TWR1042 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1023 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1006 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network

## **Tower TWR1016 (EE - 4G)**

■ Tower healthy

#### **Tower TWR1071 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1064 (Three - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1087 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1060 (EE - LTE)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1080 (Vodafone UK - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1002 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1020 (EE - 4G)**

■ Packet loss high → Optimize VolP routing/codecs

#### Tower TWR1080 (Three - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1096 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1019 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1023 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1062 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1059 (Three - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1095 (O2 - 5G)

■ Tower healthy

### **Tower TWR1013 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1098 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1088 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1098 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1003 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1099 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1028 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1047 (EE - LTE)

■ High latency → Check backhaul/core network

#### **Tower TWR1027 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1027 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1079 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1019 (EE - 4G)**

■ Tower healthy

## **Tower TWR1073 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1084 (Vodafone UK - 5G)

■ Tower healthy

# Tower TWR1071 (Three - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1026 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1042 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1026 (Vodafone UK - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

# **Tower TWR1068 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### **Tower TWR1002 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1002 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1043 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1032 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1053 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1083 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1018 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1004 (Vodafone UK - 5G)

■■ Tower overloaded → Add capacity / load balancing; ■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1028 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1097 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### Tower TWR1009 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1088 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1067 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## **Tower TWR1098 (EE - 5G)**

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1076 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1036 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1096 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1063 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1022 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1090 (Three - LTE)**

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1006 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1027 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1035 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1080 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1052 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## **Tower TWR1014 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1015 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1077 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths /

### bandwidth

## Tower TWR1019 (Three - 5G)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1059 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1078 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1035 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1072 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1099 (O2 - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1028 (Three - 5G)

■ Tower healthy

### **Tower TWR1067 (O2 - LTE)**

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1023 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1060 (Three - 5G)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

# **Tower TWR1025 (Three - LTE)**

■ Tower healthy

### **Tower TWR1050 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1064 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1055 (EE - LTE)

■ High latency → Check backhaul/core network

#### **Tower TWR1027 (EE - 4G)**

■ Tower healthy

#### **Tower TWR1025 (EE - 5G)**

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1001 (Three - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1049 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1082 (Three - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1034 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1009 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1035 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1009 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP
routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due
→ Replace/upgrade tower

# Tower TWR1071 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1017 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1032 (EE - LTE)

■ High latency → Check backhaul/core network

### Tower TWR1033 (Three - 5G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1017 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1008 (Vodafone UK - 5G)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

## Tower TWR1067 (Three - 4G)

■ Tower healthy

#### Tower TWR1030 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1056 (EE - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1022 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1009 (Vodafone UK - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1090 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1051 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1063 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

# **Tower TWR1068 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1001 (EE - LTE)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1004 (EE - 4G)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1024 (O2 - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1043 (Vodafone UK - 4G)

■ Tower healthy

## Tower TWR1014 (EE - LTE)

■ Anomaly detected → Send field engineer

## Tower TWR1076 (Vodafone UK - 4G)

■ Tower healthy

### **Tower TWR1075 (Three - LTE)**

■ Tower healthy

### Tower TWR1016 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1100 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1040 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1096 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

## Tower TWR1030 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1060 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1072 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1016 (Vodafone UK - 4G)

■■ Tower overloaded  $\rightarrow$  Add capacity / load balancing; ■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1034 (EE - LTE)

■ Tower healthy

### Tower TWR1085 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1082 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1059 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1042 (Three - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■ High jitter  $\rightarrow$  Review routing paths / bandwidth; ■ Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1066 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1008 (EE - 4G)**

■ Tower healthy

#### **Tower TWR1026 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1081 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1070 (Three - LTE)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1049 (EE - 4G)**

 $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### **Tower TWR1083 (EE - 4G)**

■■ Old tower + maintenance due → Replace/upgrade tower

#### **Tower TWR1064 (Vodafone UK - LTE)**

 $\blacksquare$  Tower overloaded  $\rightarrow$  Add capacity / load balancing;  $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

## Tower TWR1097 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1005 (O2 - 4G)

■ Tower healthy

### **Tower TWR1089 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1078 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1091 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1027 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1019 (Vodafone UK - 4G)

■ High jitter → Review routing paths / bandwidth

#### Tower TWR1096 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1061 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1026 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1097 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1057 (Three - LTE)**

■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1076 (Vodafone UK - 5G)

■ High jitter → Review routing paths / bandwidth;
■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1041 (EE - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1014 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

### Tower TWR1027 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1088 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1018 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ Anomaly detected → Send field engineer

### Tower TWR1054 (EE - LTE)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1072 (O2 - 5G)

■ Tower healthy

### Tower TWR1034 (Three - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1051 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1062 (Vodafone UK - LTE)**

■ Tower healthy

### Tower TWR1048 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1059 (O2 - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1031 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1040 (EE - 4G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1010 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1083 (O2 - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### **Tower TWR1023 (EE - 5G)**

■ Tower healthy

#### Tower TWR1045 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1016 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1004 (Vodafone UK - 5G)

■ Tower healthy

## **Tower TWR1043 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1093 (EE - LTE)

 $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

#### Tower TWR1096 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1045 (Vodafone UK - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

# **Tower TWR1048 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1041 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1018 (EE - LTE)**

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1091 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1024 (Three - 4G)

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## Tower TWR1077 (Three - 5G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1042 (O2 - LTE)

■ Tower healthy

### **Tower TWR1035 (EE - 4G)**

■ Tower healthy

### Tower TWR1004 (O2 - 4G)

■ Tower healthy

### Tower TWR1008 (O2 - 5G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1036 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1030 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1098 (Vodafone UK - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1026 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1030 (EE - 5G)**

■ Tower healthy

## Tower TWR1024 (Vodafone UK - 4G)

■ Anomaly detected → Send field engineer

# Tower TWR1004 (Three - 4G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### Tower TWR1027 (O2 - 5G)

■ Tower healthy

### **Tower TWR1099 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1084 (EE - LTE)

■ Anomaly detected → Send field engineer

### Tower TWR1054 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth

### **Tower TWR1055 (Vodafone UK - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1064 (Three - LTE)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare \blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

## Tower TWR1047 (EE - LTE)

■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1039 (Three - 5G)

■ High latency → Check backhaul/core network

# Tower TWR1046 (Three - 5G)

■ High latency → Check backhaul/core network

### Tower TWR1074 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

### **Tower TWR1053 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1052 (Three - LTE)**

■ High latency → Check backhaul/core network

#### Tower TWR1078 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1011 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1016 (Three - 5G)

- High latency → Check backhaul/core network; High jitter → Review routing paths / bandwidth;
- ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1013 (O2 - LTE)**

■ Tower healthy

### Tower TWR1035 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1053 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1054 (Vodafone UK - LTE)

 $\blacksquare\blacksquare \ \, \text{Tower overloaded} \to \text{Add capacity / load balancing;} \, \blacksquare \ \, \text{High latency} \to \text{Check backhaul/core network}$ 

### **Tower TWR1079 (Vodafone UK - LTE)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1073 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1007 (EE - 5G)**

■ Tower healthy

### Tower TWR1042 (O2 - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1009 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1071 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1088 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

# **Tower TWR1049 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1096 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1011 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1034 (EE - 4G)**

■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

## **Tower TWR1092 (Vodafone UK - LTE)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

### Tower TWR1083 (Three - 5G)

■ High latency → Check backhaul/core network

### **Tower TWR1062 (EE - 4G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

#### Tower TWR1005 (EE - LTE)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$  Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1039 (O2 - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■■ Old tower + maintenance due → Replace/upgrade tower

### **Tower TWR1020 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1052 (Vodafone UK - 4G)

- High latency → Check backhaul/core network;
   High jitter → Review routing paths / bandwidth;
- Anomaly detected → Send field engineer

#### **Tower TWR1045 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1042 (Three - 4G)

■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1041 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1077 (EE - LTE)

■ High latency → Check backhaul/core network

### **Tower TWR1030 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1047 (Three - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1047 (Three - 5G)

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs

### Tower TWR1047 (EE - LTE)

■ Tower healthy

### Tower TWR1040 (EE - LTE)

■ High latency → Check backhaul/core network

# Tower TWR1079 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1092 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1036 (O2 - LTE)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

# Tower TWR1015 (Three - 5G)

■ Tower healthy

# Tower TWR1073 (Vodafone UK - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1023 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1055 (EE - LTE)

■ High latency → Check backhaul/core network

#### Tower TWR1010 (Vodafone UK - 5G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1001 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

# **Tower TWR1078 (EE - 5G)**

■■ Tower overloaded → Add capacity / load balancing; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1033 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1061 (Vodafone UK - 5G)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1019 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1061 (Three - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1070 (O2 - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Anomaly detected → Send field engineer

## Tower TWR1001 (Vodafone UK - 5G)

■ Tower healthy

## Tower TWR1023 (EE - LTE)

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

### **Tower TWR1026 (Three - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1007 (Three - 5G)

■ Tower healthy

#### **Tower TWR1082 (EE - 4G)**

■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1003 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### Tower TWR1034 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth;
■ Old tower + maintenance due → Replace/upgrade tower

#### Tower TWR1025 (EE - LTE)

■ High latency → Check backhaul/core network;
■ High jitter → Review routing paths / bandwidth

#### Tower TWR1080 (Vodafone UK - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1063 (Three - 5G)

■ High latency → Check backhaul/core network;
■ Anomaly detected → Send field engineer

### Tower TWR1048 (O2 - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### **Tower TWR1027 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1011 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## Tower TWR1035 (EE - LTE)

■■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1056 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# **Tower TWR1042 (EE - 5G)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### **Tower TWR1068 (Vodafone UK - LTE)**

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## **Tower TWR1000 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1074 (EE - 5G)**

■ High latency → Check backhaul/core network; ■ High jitter → Review routing paths / bandwidth

#### **Tower TWR1093 (EE - 5G)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

## **Tower TWR1087 (Three - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1086 (Three - 4G)

■ High latency → Check backhaul/core network

#### Tower TWR1013 (Vodafone UK - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## **Tower TWR1068 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\to$  Replace/upgrade tower

### Tower TWR1058 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network

### Tower TWR1017 (O2 - 5G)

■ Old tower + maintenance due → Replace/upgrade tower

### Tower TWR1024 (EE - LTE)

■ Tower healthy

# **Tower TWR1049 (O2 - LTE)**

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

# Tower TWR1050 (O2 - 5G)

■ Anomaly detected → Send field engineer

# **Tower TWR1046 (Vodafone UK - LTE)**

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1034 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1032 (Three - 4G)

 $\blacksquare$  High latency  $\rightarrow$  Check backhaul/core network;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## Tower TWR1003 (Vodafone UK - 4G)

■ High latency → Check backhaul/core network; ■■ Old tower + maintenance due → Replace/upgrade tower

## Tower TWR1002 (O2 - 4G)

■ High latency → Check backhaul/core network;
■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1052 (O2 - 5G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1045 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

### **Tower TWR1058 (EE - 5G)**

■ High latency → Check backhaul/core network

#### Tower TWR1062 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

### Tower TWR1016 (EE - LTE)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth

## **Tower TWR1080 (Vodafone UK - LTE)**

■ Tower healthy

## Tower TWR1100 (Three - 5G)

 $\blacksquare$  High jitter  $\rightarrow$  Review routing paths / bandwidth;  $\blacksquare$   $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1098 (EE - 4G)**

- High latency  $\rightarrow$  Check backhaul/core network; High jitter  $\rightarrow$  Review routing paths / bandwidth;
- $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

# Tower TWR1085 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

### Tower TWR1068 (O2 - LTE)

■ High jitter → Review routing paths / bandwidth

## Tower TWR1009 (Vodafone UK - 4G)

■ Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs; ■■ Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower; ■ Anomaly detected  $\rightarrow$  Send field engineer

### Tower TWR1053 (Vodafone UK - 4G)

■ Tower healthy

### **Tower TWR1087 (EE - 5G)**

 $\blacksquare$  Packet loss high  $\rightarrow$  Optimize VoIP routing/codecs;  $\blacksquare$  Old tower + maintenance due  $\rightarrow$  Replace/upgrade tower

## **Tower TWR1041 (O2 - LTE)**

■ High jitter → Review routing paths / bandwidth

### **Tower TWR1049 (EE - 4G)**

■ Tower healthy

### **Tower TWR1022 (O2 - LTE)**

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs; ■ High jitter → Review routing paths / bandwidth; ■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1095 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■■ Old tower + maintenance due → Replace/upgrade tower

# Tower TWR1012 (O2 - 4G)

■ Packet loss high → Optimize VoIP routing/codecs

## Tower TWR1100 (Three - 5G)

■ Packet loss high → Optimize VoIP routing/codecs

#### Tower TWR1030 (EE - LTE)

 $\blacksquare$  High latency  $\to$  Check backhaul/core network;  $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs

## Tower TWR1060 (Three - 5G)

■ Tower healthy

### Tower TWR1055 (Three - 4G)

■ Packet loss high → Optimize VoIP routing/codecs;
■ High jitter → Review routing paths / bandwidth

### Tower TWR1058 (O2 - 4G)

■ High jitter → Review routing paths / bandwidth

# Tower TWR1040 (O2 - 4G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth

# Tower TWR1015 (Three - 4G)

■ High latency → Check backhaul/core network; ■ Packet loss high → Optimize VoIP routing/codecs

# Tower TWR1050 (Three - 5G)

 $\blacksquare$  Packet loss high  $\to$  Optimize VoIP routing/codecs;  $\blacksquare$  High jitter  $\to$  Review routing paths / bandwidth