Java Messaging Service (JMS) Agreement between P1 Receiving Images and P2 Image Recognition

# Queue Name:

p1ReceivingImages

# JMS Message:

Should contain the below JSON object definition.

# JSON Object Definition

{

    "uuid": "123e4567-e89b-12d3-a456-556642440000",

    "cameraId": 1,

    "timestamp": "2020-11-05T17:24:30.000+00:00",

    "numberplate": "",

    "photo": "/9j/4S/WRXhpZgAASUkqAAgAAAAJAA8BAgAQAAAAegAAABABAgAdAAAAigAAABIBAwABAAAAAQAAABoBBQABAAAApwAAABsBBQABAAAArwAAACgBAwABAAAAAgAAADIBAgAVAAAAtwAAABMCAwABAAAAAQAAAGm..."

}

**Definition**

**uuid:** is the universal unique identifier for the image in the P1 database.

**cameraId:** is the originating cameras unique ID number.

**timestamp:** is in the ISO-8601 standard.

**numberplate:** will be the recognised numberplate add by p2.

**photo:** is the base64 encoded image.

# Object Serialisation and deserialization:

Will be done using the JSON Message Class created by P2. This will be located under the common artifacts once a snapshot of the P2 micro-service has been deployed.

# Image Format:

Should be sent as Base64/JPG image.

# Base64 Conversion:

The JSON image string should be able to be decoded with the base64 Java utility. (<https://docs.oracle.com/javase/8/docs/api/java/util/Base64.html>)

Java Messaging Service (JMS) Agreement between P2 Image Recognition and P3 Reconcile Charging Exit

# Queue Name:

p2ImageRecognition

# JMS Message:

Should contain the below JSON object definition.

# JSON Object Definition

{

    "uuid": "123e4567-e89b-12d3-a456-556642440000",

    "cameraId": 1,

    "timestamp": "2020-11-05T17:24:30.000+00:00",

    "numberplate": "PP587AO",

    "photo": ""

}

**Definition**

**uuid:** is the universal unique identifier for the image in the P1 database.

**cameraId:** is the originating cameras unique ID number.

**timestamp:** is in the ISO-8601 standard.

**numberplate:** will be the recognised numberplate add by p2.

**photo:** is the base64 encoded image.

# Object Serialisation and deserialization:

Will be done using the JSON Message Class created by P2. This will be located under the common artifacts once a snapshot of the P2 micro-service has been deployed.