

Prepared (also subject responsible if other) Himanshu Jain		No.		
	Checked	Date 25-04-2020	Rev Ver1.0	Reference

## MOP of BBU CPRI Interface Error Huawei Site

### Table of contents

Activity Description.....	2
Flow Chart .....	3
Activity Details.....	5

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## Activity Description

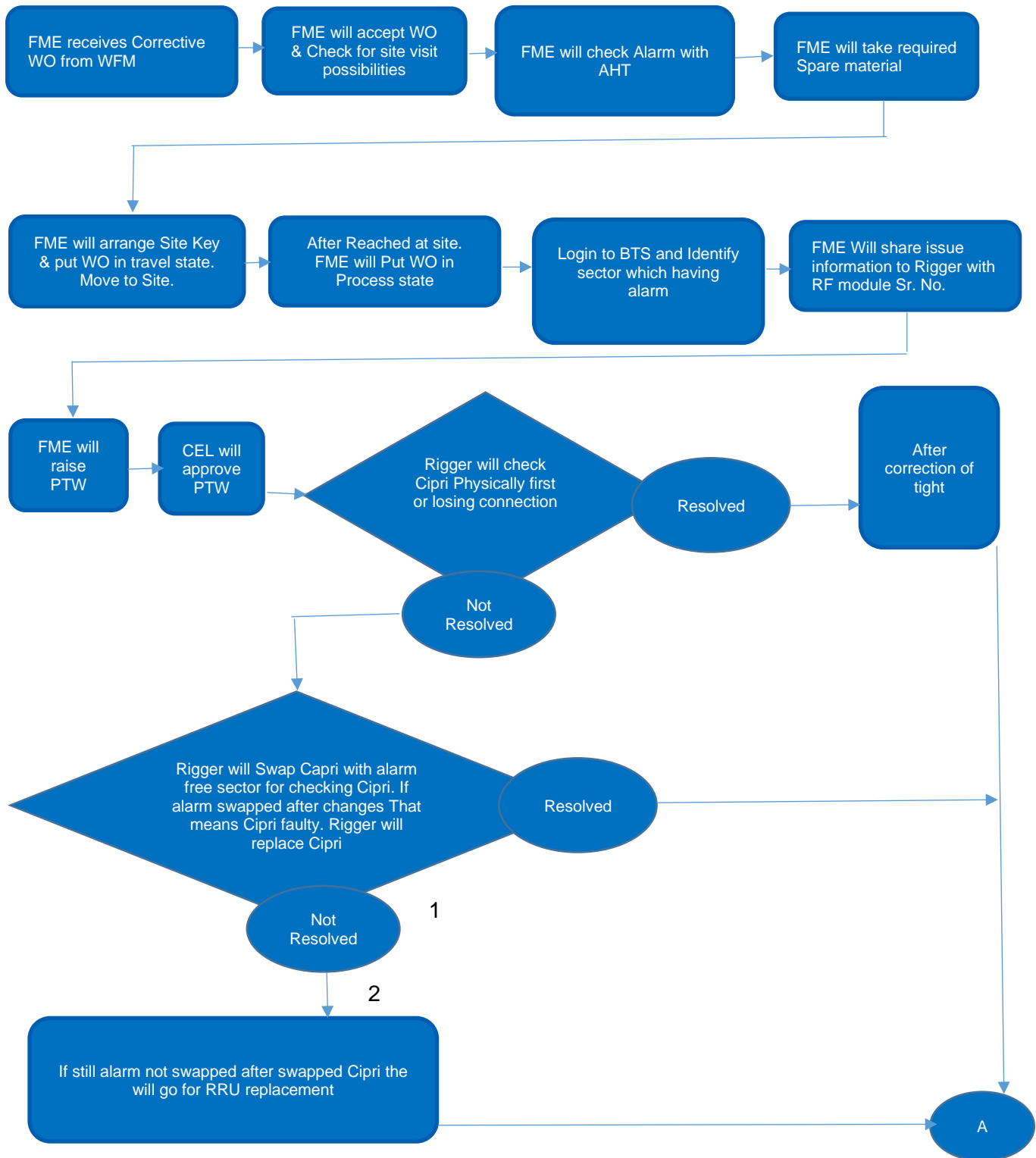
This activity is for E2E troubleshooting and alarm clearance of [BBU CPRI Interface Error](#) of the antenna feeder abnormal.

Attached is the details to be followed. As this need to be followed as guideline.

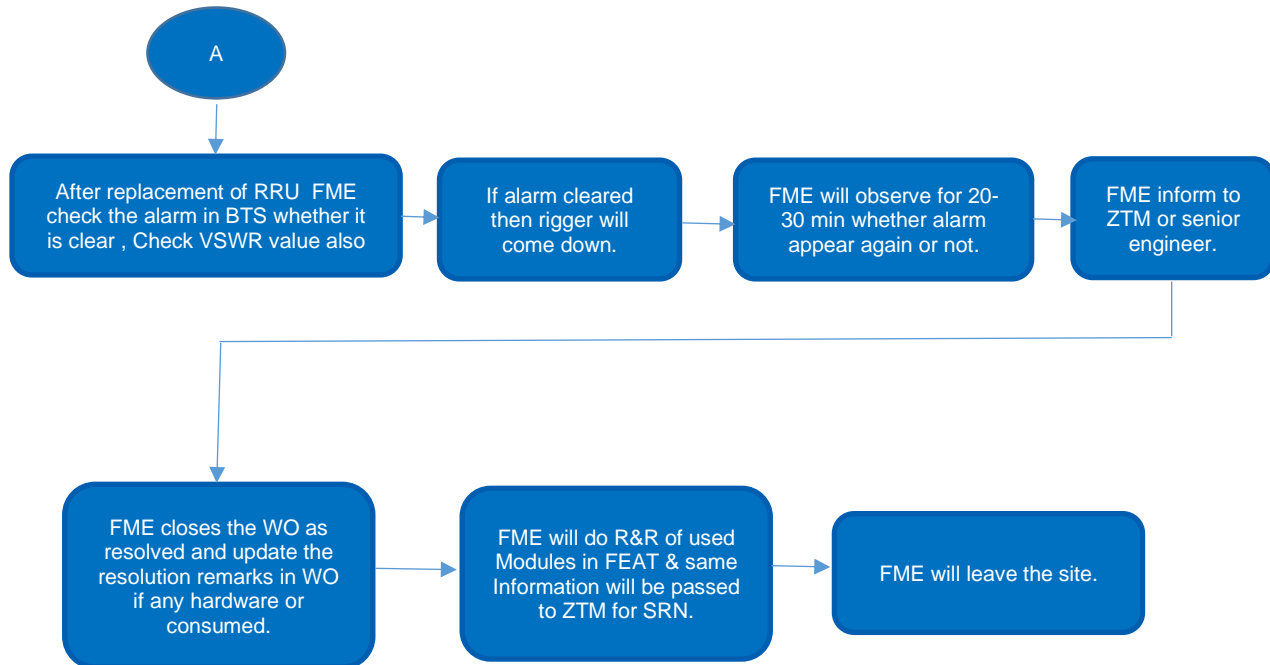
Alarm Name	1. BBU CPRI Interface Error 2. RF maintenance link failure 3. Cell unavailable
Alarm Description	1. Impacted sector KPI Degraded 2. Other Layer KPI degradation 3. sector may be down in some cases
Possible Causes	1. CIPRI faulty (Physical Damage or internal fault) 2. RRU malfunction or faulty

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## Flow Chart



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## Activity Details

### **BBU Cipri Interfacer error Alarm Information & Checking for corrective action**

1. FME receive work order in WFM of BBU cipri Interface alarm as a corrective work order
2. FME accept WO as received/WO accepted as per check his CMT tool
3. FME check the alarm with help of AHT
4. If possible FME visit site on same day otherwise will plan on next day (Need to verification Required Rigger can access Tower after reached site as per OHS Rules).
5. ZTM will suggest for taking required Spare Material...

### **Site Movement & Spare Arrangement**

1. FME arrange key of site from respective Infra partner.
2. FME take required materials to resolve the alarm (As per Remote Login Observation & CEL suggestion) ...
3. Now FME move to site and put WO in Travel state

### **Alarm issue Identification & Rectification**

1. When FME reached at site, he put WO in progress state.
2. FME will login to the BTS & Identify Sector which is having alarm.

Add snaps of port to connect on equipment/laptop...command. Etc

```

LST ALMAF;
SRAN_HRD03-FNP-IF
+++ SRAN_HRD03-FNP-IF      2020-04-26 11:49:42
O&M #46583
%%/*1884162128*/LST ALMAF;%%
RETCODE = 0 Operation succeeded.

ALARM 38240      Fault      Minor      SRAN      26234      Hardware
  Sync serial No. = 85466
  Alarm name      = BBU CPRI Interface Error
  Alarm raised time = 2020-01-29 06:31:32
  Location info   = Cabinet No.=0, Subrack No.=0, Slot No.=2, Port No.=1, Sub Port No.=0, Board Type=UBBP, Specific Problem=CPRI Interface Reception Error
  Special info    = RAT_INFO=GL, AFFECTED_RAT=L, DID=NULL, Cumulative Duration(s)=90
  Special info1   = AF_L=HRD03
  Root Cause Flag = 1
  Correlative label type = 2

```

3. FME will share information to rigger for further check (Cipri damage, Connection on rru on top of tower)
4. FME will ensure the PPE kit, work at height certificate, medical certificate, present healthy physical condition, site condition including hygiene
5. Raise PTW request

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6. ZTM check the PTW and approve it.
7. Rigger will climb the tower and check below Points for actual issue identification
  - A. If Rigger found in physical damaged in Cipri, then he will replace same. FME Will check alarm through login for further confirmation.
  - B. Or not found any physical damage then Rigger will swap cipri with alarm free sector for cross check (RRU or having any cipri internal damaged fault) alarm. If alarm swapped after swapping cipri cable that means, there is fault of Cipri cable. Rigger will further replace cipri & resolved the same. FME will monitoring alarm some more time for conclude.
  - C. If alarm not swapped after swapping of Cipri cable, then there is fault in RRU. Discussed with ZTM & share information. Replace RRU
8. FME check the alarm in BTS whether it is clear & verify VSWR value of all sector. (VSWR Value should below then 1.3)

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Cleared

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RM 30544      Fault      Minor      SRAN      26504      Communication
Sync serial No. = 65556
Alarm name = RF Unit CPRI Interface Error
Alarm raised time = 2020-04-24 10:01:49
Location info = Cabinet No.=0, Subrack No.=200, Slot No.=0, Port No.=Port 0(West), Board Type=MRRU, Port Type=NULL, Specific Problem=CPRI Interface Receptic
Cleared type = Normally cleared
Cleared time = 2020-04-24 10:03:24
Special info = RAT_INFO=GL, AFFECTED_RAT=L, DID=NULL, RF Unit Name=NULL
Special info1 = AF_L=SNOT01
Root Cause Flag = 1
relative label type = 2
LCK = 2102310WYGN0H801584700007750

RM 30543      Fault      Minor      SRAN      26504      Communication

```

Command Editor

Show Parameter Panel ☆ LST ALMLOG Run

9. If alarm is cleared, then rigger will come down
10. FME will observe for 20-30 min whether alarm appear again or not.
11. If alarm don't appear again it means alarm resolved, then FME inform to ZTM or Senior engineer about the same
12. FME closes the WO as resolved and update the resolution remarks in WO if any hardware or consumable material used.
13. FME will do R&R of used Modules in FEAT & same Information will pass to ZTM for SRN.
14. FME leave the site.