

Prepared (also subject responsible if other) Mahendra Prabhu M		No.		
Approved	Checked	Date 15-05-2020	Rev Ver1.0	Reference

MOP for Inter-Board CANBUS Communication Failure on Huawei Site

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Alarm

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Error! Bookmark not defined.

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Alarm Description:

This alarm is due to CANBUS communication failure between main control board and other boards.

Possible Causes:

- Fault in board hardware.
- Fault in main control board.
- Fault in the back panel.
- When the board is not installed properly.

Alarm Location:

Identify the slot number of the alarm using the location information.

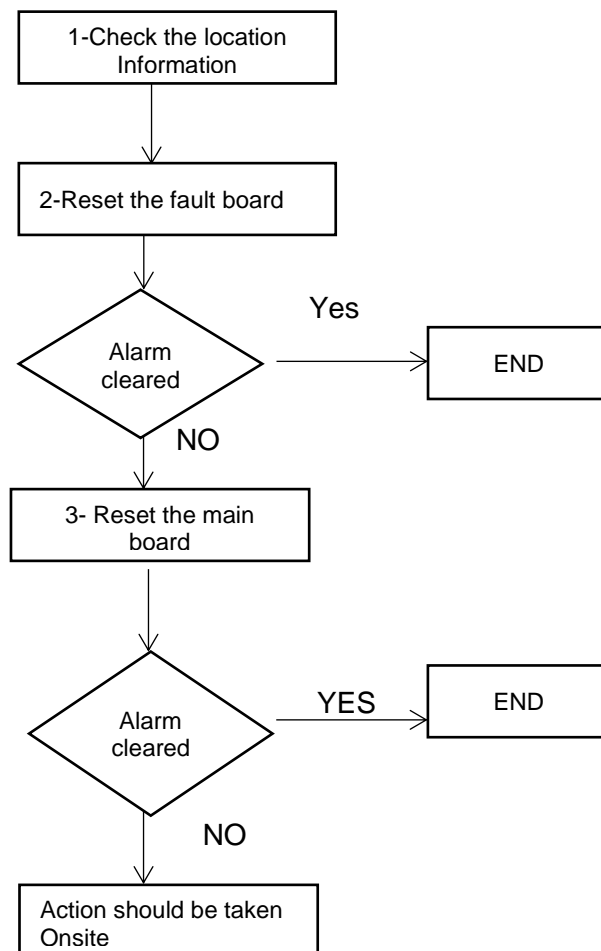
Name	Location Information
Inter-Board CANBUS Communication Failure	Cabinet No.=0, Subrack No.=0, Slot No.=2, Board Type=UBBP

Pre-processing:

Check for any correlated alarms. If yes, clear those alarms.

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Remote Process:



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1-Check the location Information

- Cabinet No.=0, Subrack No.=0, Slot No.=2

Name	Location Information
Inter-Board CANBUS Communication Failure	Cabinet No.=0, Subrack No.=0, Slot No.=2, Board Type=UBBP

2-Reset the faulty board

- Open the MML cmd tab
- Run the command **RST BRD**
Cabinet No.=0, Subrack No.=0, Slot No.=2
CMD: RST BRD:CN=0,SRN=0,SN=2;

Command Editor

Show Parameter Panel

RST BRD

* Cabinet No. 0 * Subrack No. 0 * Slot No. 2

Forced Reset Flag NO (NO)

RST BRD:CN=0,SRN=0,SN=2;

Run

3- Reset the main board (UMPT Board)

- Open the MML cmd tab
- Run the command **DSP BRD** to query board types.
CMD: DSP BRD;;

✓ DSP BRD;;

TN_SRAN_CBE296

+++ TN_SRAN_CBE296 2020-05-15 15:00:44

O&M #65413

%%/*1805363083*/DSP BRD:;%%

RETCODE = 0 Operation succeeded.

Display Board

Cabinet No.	Subrack No.	Slot No.	Config Type	SubBoard Type	Administrative State	Standby Status	Operational State
0	0	2	UBBP	NULL	Unblocked	NULL	Enabled
0	0	3	UBBP	NULL	Unblocked	NULL	Enabled
0	0	4	UBBP	NULL	Unblocked	NULL	Enabled
0	0	6	UMPT	NULL	NULL	Active	Enabled
0	0	16	FAN	NULL	NULL	NULL	Enabled

- Run the command **RST BRD**
Cabinet No.=0, Subrack No.=0, Slot No.=6
CMD: RST BRD:CN=0,SRN=0,SN=6;

Command Editor

Show Parameter Panel

RST BRD

* Cabinet No. 0 * Subrack No. 0 * Slot No. 6

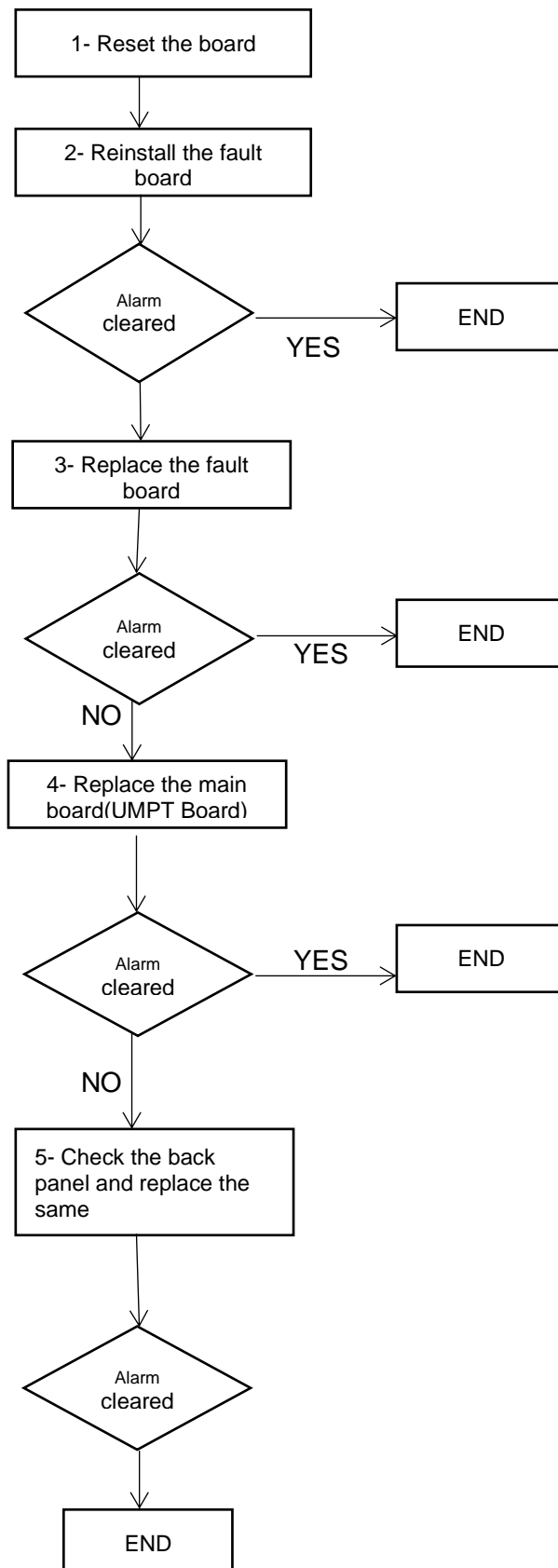
Forced Reset Flag NO (NO)

RST BRD:CN=0,SRN=0,SN=6;

Run

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Onsite Process:



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1-Reset the board

- Hard reset (PWR Off & ON) it.

2-Reinstall the fault board





- Remove the board from the sub rack.
- Insert the board in the sub rack.

3- Replace the fault board





- Remove the fault board and insert a new board in the slot.

4- Replace the main board (UMPT Board)

- Collect the Backup file.
- Remove the UMPT board, insert a new board into the slot.
- Run the Software.
 - Login the WEBLMT**
 - Download the software**

History command: <input type="text"/>		 	
Command input: <input type="text" value="DLD SOFTWARE"/>		 	
IP Mode	<input type="text" value="IPv4(IPv4)"/>	FTP Server IP	<input type="text" value="192.168. 0 .48"/>
User Name	<input type="text" value="admin"/>		
Password	<input type="text"/>	Directory Name	<input type="text"/>
Software Type	<input type="text" value="SOFTWARE(Softw..."/>		
Software Version	<input type="text"/>	Guage Option	<input type="text" value="Y(Guage)"/>
Download by Config Flag	<input type="text" value="CFG(Download by..."/>		
Delay Download Flag	<input type="text" value="YES(Delay Downl..."/>	Application Type List	<input type="text" value="NodeB"/>





c. Activate the Software.

ACT SOFTWARE:OT=NE, SWI=SOFTWARE;			
History command: <input type="text"/>		 	
Command input: <input type="text" value="ACT SOFTWARE"/>		 	
Operation Type	<input type="text" value="NE(The Whole NE)"/>	Software Type	<input type="text" value="SOFTWARE(Softw..."/>
Software Version	<input type="text"/>		
Application Type List	<input type="text"/>		

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
d. Download the CFG File

DLD CFGFILE:MODE=IPv4,IP="192.168.0.48",USR="admin",ENCRYPTMODE=UNENCRYPTED;

History command: <input type="text"/>		 	
Command input: <input type="text" value="DLD CFGFILE"/>		 	
IP Mode: <input type="text" value="IPv4(IPv4)"/>	FTP Server IP: <input type="text" value="192.168.0.48"/>	User Name: <input type="text" value="admin"/>	
Password: <input type="text"/>	Directory Name: <input type="text"/>	File Name: <input type="text"/>	
File Type: <input type="text" value="XML(XML Format)"/>	Area Flag: <input type="text" value="STANDBY(Standby)"/>	Guage Option: <input type="text" value="Y(Send Progress)"/>	
Encrypted Mode: <input type="text" value="UNENCRYPTED(...)"/>	Compress Flag: <input type="text" value="UNCOMPRESSE..."/>		

e. Activate the CFG File

ACT CFGFILE:EFT=IMMEDIATELY;

History command: <input type="text"/>		 	
Command input: <input type="text" value="ACT CFGFILE"/>		 	
Mode: <input type="text" value="XML(XML Mode)"/>	Effect Type: <input type="text" value="IMMEDIATELY(Im...)"/>	Product Type: <input type="text"/>	

5- Check the back panel and replace the same

- Check the cabinet, whether there is any bent or broken pin in the back panel.
- Remove all the boards.
- Replace the cabinet and insert the boards.