

Unit in Use modif after DoD
 File: H_CRP_DHS_DODUU.xls
 Author: S. Manganelli



Procedure Summary

Objectives

This procedure describes the steps needed to modify the Unit in Use table at the end of a recovery from DoD. This procedure is called by H_CRP_SYS_DOD.

Summary of Constraints

Unit in Use table is managed through ASW TCs with function ID equal to 116, thus the status of the ASW function "FDIR Management" has to be "running".

Spacecraft Configuration

Start of Procedure

Some CDMU unit configuration on B side as Nominal

End of Procedure

CDMU unit configuration modified on A side as Nominal

Reference File(s)

Input Command Sequences

Output Command Sequences

HRDODUA
 HRDODUB

Referenced Displays

ANDs **GRDs** **SLDs**
 ZAZAI999

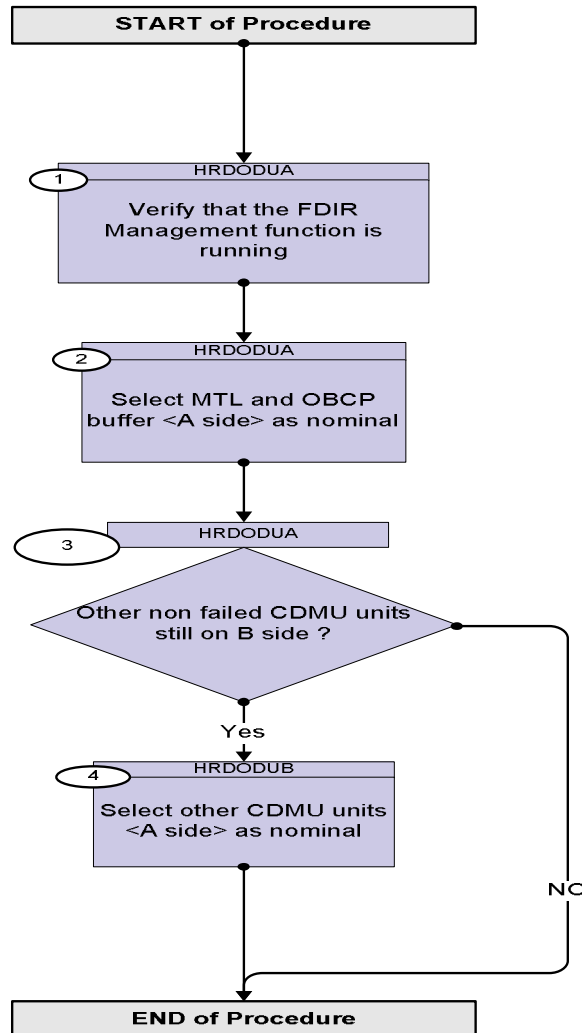
Configuration Control Information

| DATE | FOP ISSUE | VERSION | MODIFICATION DESCRIPTION | AUTHOR | SPR REF |
|----------|-----------|---------|--------------------------|---------------|---------|
| 24/02/09 | | 1 | Created | S. Manganelli | |
| 27/02/09 | 2.1 | 2 | Title changed | S. Manganelli | |

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Procedure Flowchart Overview



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| Step No. | Time | Activity/Remarks | TC/TLM | Display/ Branch |
|--|------|---|-----------------------------|-------------------------------|
| Beginning of Procedure | | | | |
| TC Seq. Name : HRDODUA (DODrec CDMUAside) TimeTag Type: Sub Schedule ID: <input type="checkbox"/> | | | | |
| 1 | | Verify that the FDIR Management function is running | | Next Step: 2 |
| | | Verify Telemetry <div style="text-align: right;">FdirSts DEG23170</div> | = Running | AND=ZAZAI999 |
| 2 | | Select MTL and OBCP buffer <A side> as nominal | | Next Step: 3 |
| | | Select Nominal Unit telecommand is used for choosing the unit A (1) or unit B (2) of a redundant unit pair to be considered as the nominal unit. After the execution of this TC the other unit of the commanded unit pair is considered the redundant unit. | | |
| | | Execute Telecommand <div style="text-align: right;">FdirSelNomUnit_Templ</div> Command Parameter(s) : <div style="text-align: right;">FdirUnitAorB DH064170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- YYY</div> Subsch. ID : 10 Det. descr. : TEMPLATE Fdir Select Nominal Unit TC(8,4,116,19) | DCT31170 MTL_SSMM_A | |
| | | Execute Telecommand <div style="text-align: right;">FdirSelNomUnit_Templ</div> Command Parameter(s) : <div style="text-align: right;">FdirUnitAorB DH064170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- YYY</div> Subsch. ID : 10 Det. descr. : TEMPLATE Fdir Select Nominal Unit TC(8,4,116,19) | DCT31170 OBCP_SSMM_A | |
| 3 | | Other non failed CDMU units still on B side ? | | Next Step: Yes 4 NO END |
| | | If any other CDMU unit is still on <B side> nominal, and - these units are not failed, and - they were <A side> nominal before the DoD use the TCs in next step to revert to the initial <A side> condition. | | |

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| Step No. | Time | Activity/Remarks | TC/TLM | Display/ Branch |
|--|------|---|-------------------------------|-------------------|
| TC Seq. Name : HRDODUB (DODrec CDMUAside) TimeTag Type: Sub Schedule ID: <input type="checkbox"/> | | | | |
| 4 | | Select other CDMU units <A side> as nominal | | Next Step: END |
| | | Execute Telecommand <div style="text-align: right;">FdirSelNomUnit_Templ</div> Command Parameter(s) : <div style="text-align: right;">FdirUnitAorB DH064170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- YYY</div> Subsch. ID : 10 Det. descr. : TEMPLATE Fdir Select Nominal Unit TC(8,4,116,19) | DCT31170 SGM_A | |
| | | Execute Telecommand <div style="text-align: right;">FdirSelNomUnit_Templ</div> Command Parameter(s) : <div style="text-align: right;">FdirUnitAorB DH064170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- YYY</div> Subsch. ID : 10 Det. descr. : TEMPLATE Fdir Select Nominal Unit TC(8,4,116,19) | DCT31170 CPDU_A | |
| | | Execute Telecommand <div style="text-align: right;">FdirSelNomUnit_Templ</div> Command Parameter(s) : <div style="text-align: right;">FdirUnitAorB DH064170</div> TC Control Flags : <div style="text-align: right;">GBM IL DSE --Y -- YYY</div> Subsch. ID : 10 Det. descr. : TEMPLATE Fdir Select Nominal Unit TC(8,4,116,19) | DCT31170 TTR_TmEncObtA | |

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| Step No. | Time | Activity/Remarks | TC/TLM | Display/ Branch |
|-------------------------|------|--|----------------------|-----------------|
| | | Execute Telecommand <p style="text-align: right;">FdirSelNomUnit_Templ</p> Command Parameter(s) : <p style="text-align: right;">FdirUnitAorB DH064170</p> TC Control Flags : <p style="text-align: right;">GBM IL DSE --Y -- YYY</p> Subsch. ID : 10 Det. descr. : TEMPLATE Fdir Select Nominal Unit TC(8,4,116,19) | DCT31170 RM_A | |
| End of Procedure | | | | |