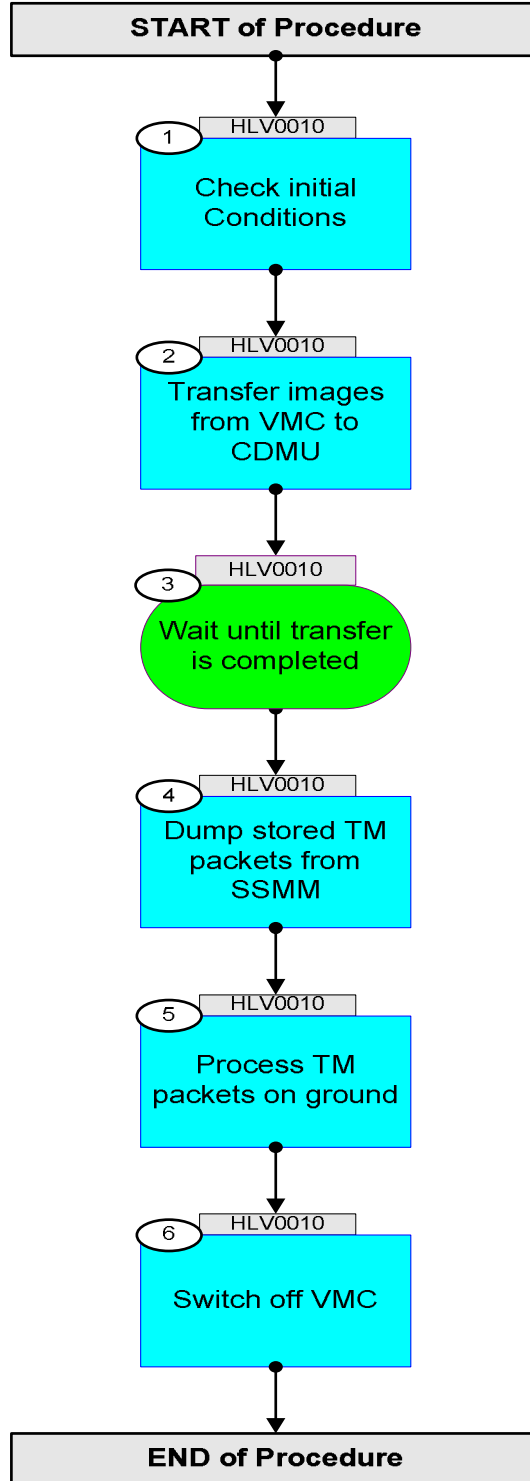




Procedure Flowchart Overview



Herschel VMC Operation
 File: H_LEO_VMC_OP.xls
 Author: S. Manganelli



| Step No. | Time | Activity/Remarks | TC/TLM | Display/ Branch |
|----------|------|---|-------------------------|--------------------------|
| | | Execute Telecommand DownlinkPktStoreCont_A Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Downlink Packet Store Contents - All stored TM packets | DC162160 1 <dec> | |
| | | See TM(8,8) packets arriving on VC-2: 3939 Packets (1024 Bytes) 1 Packet (784 Bytes) = 3940 Packets total The dump will require about 4 minutes on 150k TM rate (plus dump time required for other Packet Store 1 contents) | | |
| 5 | | Command Store 1 catalog reports | | <input type="checkbox"/> |
| | | Uplink one TC as soon as possible, the three others about every minute. Monitor dump by GRD ZGZ04999. | | |
| | | Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store | DC169160 1 <dec> | |
| | | Execute Telecommand ReportCatSelPktStore Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store | DC169160 1 <dec> | |

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| Step No. | Time | Activity/Remarks | TC/TLM | Display/ Branch |
|----------|------|---|-------------------------|-------------------|
| | | Execute Telecommand <p style="text-align: right;">ReportCatSelPktStore</p> Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store | DC169160 1 <dec> | |
| | | Execute Telecommand <p style="text-align: right;">ReportCatSelPktStore</p> Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store | DC169160 1 <dec> | |
| | | Execute Telecommand <p style="text-align: right;">ReportCatSelPktStore</p> Command Parameter(s) : Store_Id DH003160 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Catalogues for Selected Packet Store | DC169160 1 <dec> | |
| 6 | | Process TM packets on ground | | Next Step: 7 |
| | | TM packets must be exported as 1 binary file, containing the complete packets with the last packet as first and the first packet as last. ... | | |
| 7 | | Switch off VMC | | Next Step: END |
| | | Switching off will delete the memory (and the stored pictures) of the VMC. Ensure the pictures are fine on ground. | | |

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| Step No. | Time | Activity/Remarks | TC/TLM | Display/ Branch |
|-------------------------|------|--|----------|-----------------|
| | | Execute Telecommand <div style="text-align: right;">SwOff_VMC_L20</div> <i>TC Control Flags :</i> <div style="text-align: right;">GBM IL DSE --Y -- --</div> <i>Subsch. ID : 10</i> Det. descr. : PCDU: TC(8,4,112,3) VMC - switch LCL_20 off | DC20B170 | |
| | | Verify Telemetry <div style="text-align: right;">VMC_L20_S WM82B565</div> | = OFF | (None) |
| | | Verify Telemetry <div style="text-align: right;">VMC_L20_I WM807565</div> | = 0.0 A | (None) |
| End of Procedure | | | | |