

PACS\_Spec\_Gra\_IST\_PID\_List\_OBS  
 File: H\_COP\_PAC\_G302.xls  
 Author: R. Biggins



## Procedure Summary

### Objectives

The objective of this procedure is to execute a coarse PID tuning optimization. This is done by configuring and homing the grating, then looping over 6 sets of PIDs, each time performing a set of movements

Based on procedure  
 PACS\_Spec\_Gra\_IST\_PID\_List\_OBS (v1 dated 16.03.2009)

### Summary of Constraints

This test MUST happen with a rate of 4 deg/sec (The delays are too short for 1 deg/sec)

RT Science must be enabled to receive the Diagnostic HK packets

### Spacecraft Configuration

**Start of Procedure**

PACS in NO\_PRIME (SAFE) mode

**End of Procedure**

PACS in NO\_PRIME (SAFE) mode  
 - PACS is generating Spectroscopy HK

### Reference File(s)

**Input Command Sequences**

**Output Command Sequences**

HCPG302X  
 HCPG302Y

### Referenced Displays

<b>ANDs</b>	<b>GRDs</b>	<b>SLDs</b>
ZAZ97999		
ZAZ98999		

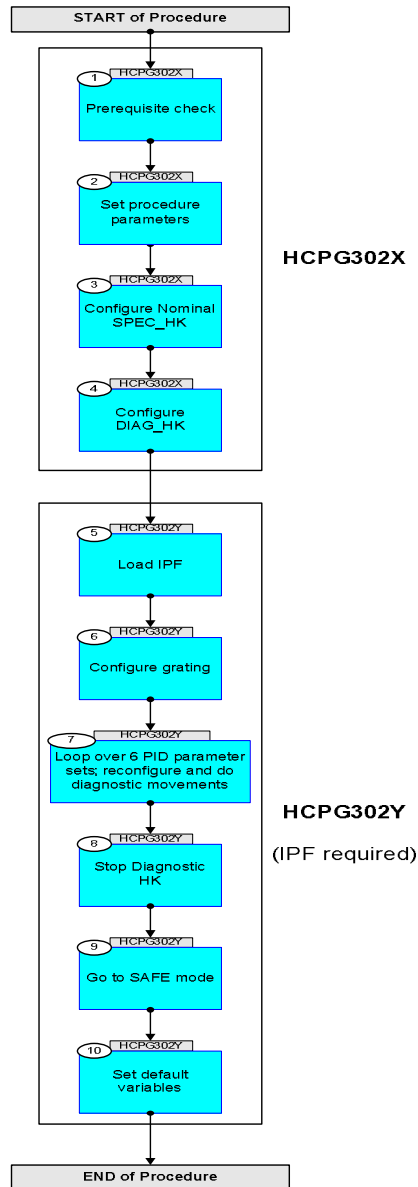
### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
17/04/09	2.3	1	Created	R. Biggins	
28/04/09	2.4	2	Update due to problems in IPF - ET times removed	R. Biggins	

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## Procedure Flowchart Overview





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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DPU_SET_HK_LIST  DPU_SET_HK_LIST  Command Parameter(s) : HK_PACKET_ID            PP005380 SPU_ARRAY                PP025380  Subsch. ID : 90 Det. descr. : SET THE PREDIFINED LIST OF HK VALUES FOR THE HK PACKET	PC003380  SPEC BOTH Array	
		Verify Telemetry  DP_TM_RATE                PM049380	= SPEC	AND=ZAZ98999
4		Configure DIAG_HK		Next Step: 5
	ET=+ UT=+00.00.01	DMC_SET_BBID  DMC_SET_BBID  Command Parameter(s) : BUILDING_BLOCK_ID        PP070420  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 90 Det. descr. : SET BBID IN DMC	PC079420  409D0001 <hex>	
	ET=+ UT=+00.00.01	DMC_WRT_DIAG_HK_LIST  DMC_WRT_DIAG_HK_LIST  Command Parameter(s) : DMC_DATA_LENGTH        PP065420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_4_BYTES_WORDS_DATA PP067420 DMC_CHECKSUM            PP066420  Subsch. ID : 90 Det. descr. : WRITE THE LIST OF DIAGNOSTIC HK INTO DMC MEMORY	PC160420  4 <dec> FA <hex> FB <hex> 1C4 <hex> FFFF <hex> CDF9 <hex>	
	ET=+ UT=+00.00.01	DMC_START_DIAG_HK  DMC_START_DIAG_HK  Command Parameter(s) : DIAG_HK_PERIOD           PP076420  Subsch. ID : 90 Det. descr. : START THE ACQUISITION OF THE DIAGNOSTIC HK	PC146420  0 <dec>	
		<b>NOTE:</b> The verification of the generation of the <b>TM(21,3)</b> diagnostic packets cannot be done on the MCS, but can be seen on the NCTRS (VC7)		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch																														
<p><i>TC Seq. Name : HCPG302Y (PID Optimization)</i></p> <p><i>TimeTag Type: N</i>  <i>Sub Schedule ID:</i></p> <p>□</p>																																		
5		Load IPF		Next Step: 6																														
		<p>Load the following IPF (TPF) file into the Manual Stack (where vvvv is the latest version number):</p> <p><b>HCPG302Y_GRATPLIS_vvvv.IPF</b></p>																																
6		Configure grating		Next Step: 7																														
	ET=+ UT=+00.00.01	<p>DMC_WRT_GRAT_CONF_PAR</p> <p style="text-align: right;">DMC_WRT_GRAT_CONF_PAR</p> <p>Command Parameter(s) :</p> <table border="0"> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>1</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>2</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>3</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>4</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>5</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>6</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>7</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>8</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>9</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP066420</td><td>10</td></tr> </table> <p>TC Control Flags :</p> <p style="text-align: right;">GBM IL DSE --Y -- --</p> <p>Subsch. ID : 90          Det. descr. : WRITE THE PARAMETERS TO CONFIGURE THE GRATING SERVO LOOP</p>	DMC_4_BYTES_WORDS_DATA	PP067420	1	DMC_4_BYTES_WORDS_DATA	PP067420	2	DMC_4_BYTES_WORDS_DATA	PP067420	3	DMC_4_BYTES_WORDS_DATA	PP067420	4	DMC_4_BYTES_WORDS_DATA	PP067420	5	DMC_4_BYTES_WORDS_DATA	PP067420	6	DMC_4_BYTES_WORDS_DATA	PP067420	7	DMC_4_BYTES_WORDS_DATA	PP067420	8	DMC_4_BYTES_WORDS_DATA	PP067420	9	DMC_4_BYTES_WORDS_DATA	PP066420	10	PC162420	
DMC_4_BYTES_WORDS_DATA	PP067420	1																																
DMC_4_BYTES_WORDS_DATA	PP067420	2																																
DMC_4_BYTES_WORDS_DATA	PP067420	3																																
DMC_4_BYTES_WORDS_DATA	PP067420	4																																
DMC_4_BYTES_WORDS_DATA	PP067420	5																																
DMC_4_BYTES_WORDS_DATA	PP067420	6																																
DMC_4_BYTES_WORDS_DATA	PP067420	7																																
DMC_4_BYTES_WORDS_DATA	PP067420	8																																
DMC_4_BYTES_WORDS_DATA	PP067420	9																																
DMC_4_BYTES_WORDS_DATA	PP066420	10																																
	ET=+ UT=+00.00.00	<p>DMC_WRT_GRAT_CONF_FILT</p> <p style="text-align: right;">DMC_WRT_GRAT_CONF_FILT</p> <p>Command Parameter(s) :</p> <table border="0"> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>11</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>12</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>13</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>14</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP067420</td><td>15</td></tr> <tr><td>DMC_4_BYTES_WORDS_DATA</td><td>PP066420</td><td>16</td></tr> </table> <p>Subsch. ID : 90          Det. descr. : WRITE THE PARAMETERS OF THE GRATING CONTROLLER FILTER</p>	DMC_4_BYTES_WORDS_DATA	PP067420	11	DMC_4_BYTES_WORDS_DATA	PP067420	12	DMC_4_BYTES_WORDS_DATA	PP067420	13	DMC_4_BYTES_WORDS_DATA	PP067420	14	DMC_4_BYTES_WORDS_DATA	PP067420	15	DMC_4_BYTES_WORDS_DATA	PP066420	16	PC378420													
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	ET=+ UT=+00.00.01	DMC_WRT_GRAT_INDUC_AMPL  Command Parameter(s) : DMC_4_BYTES_WORDS_DATA                   PP067420 DMC_CHECKSUM                            PP066420  Subsch. ID : 90 Det. descr. : WRITE THE AMPLITUDE OF THE INDUCTOSYN EXCITATION SIGNAL	PC203420   17 18	
	ET=+ UT=+00.00.01	DMC_WRT_GRAT_HALLOFFSET  Command Parameter(s) : DMC_4_BYTES_WORDS_DATA                   PP067420 DMC_CHECKSUM                            PP066420  Subsch. ID : 90 Det. descr. : WRITE THE OFFSET OF THE HALL SENSORS OF THE GRATING	PC368420   19 20	
	ET=+ UT=+00.00.01	DMC_WRT_GRAT_RANGE  Command Parameter(s) : DMC_4_BYTES_WORDS_DATA                   PP067420 DMC_CHECKSUM                            PP066420  Subsch. ID : 90 Det. descr. : WRITE THE NUMBER OF ENCODER STEPS OF THE HARDSTOPS	PC204420   21 22	
	ET=+ UT=+00.03.01	DMC_SWON_GRAT_CONT  Subsch. ID : 90 Det. descr. : SWITCH ON GRATING CONTROLLER	PC108420	
	ET=+ UT=+00.00.01	DMC_ENABLE_GRAT_CONT  Subsch. ID : 90 Det. descr. : ENABLE GRATING CONTROLLER	PC110420	
	ET=+ UT=+00.00.01	DMC_HOME_GRAT  Command Parameter(s) : HOMING_MODE                            PP077420  Subsch. ID : 90 Det. descr. : MOVE GRATING TO THE HOME POSITION	PC114420   NEGATIVE	



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		Subsch. ID : 90 Det. descr. : WRITE THE PARAMETERS TO CONFIGURE THE GRATING SERVO LOOP		
	ET=+ UT=+00.00.01	DMC_ENABLE_GRAT_CONT  Subsch. ID : 90 Det. descr. : ENABLE GRATING CONTROLLER	DMC_ENABLE_GRAT_CONT  PC110420	
	ET=+ UT=+00.00.05	DMC_MOVE_GRAT_ABS_RAW  Command Parameter(s) : SET_POINT                          PP079420  Subsch. ID : 90 Det. descr. : MOVE GRATING TO AN ABSOLUTE POSITION	DMC_MOVE_GRAT_ABS  PC112420  500000 <dec>	
	ET=+ UT=+00.00.05	DMC_MOVE_GRAT_REL_RAW  Command Parameter(s) : SET_POINT_INCREMENT                          PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	DMC_MOVE_GRAT_REL  PC113420  -200000 <dec>	
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW  Command Parameter(s) : SET_POINT_INCREMENT                          PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	DMC_MOVE_GRAT_REL  PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  Command Parameter(s) : SET_POINT_INCREMENT                          PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	DMC_MOVE_GRAT_REL  PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  Command Parameter(s) : SET_POINT_INCREMENT                          PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	DMC_MOVE_GRAT_REL  PC113420  117 <dec>	



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	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   117 <dec>	

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	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -200000 <dec>	
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	

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	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
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	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
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	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT  DMC_DISABLE_GRAT_CONT  Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -200000 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT  DMC_DISABLE_GRAT_CONT  Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   117 <dec>	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -200000 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT  DMC_DISABLE_GRAT_CONT  Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -200000 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT  DMC_DISABLE_GRAT_CONT  Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -200000 <dec>	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT           PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT  DMC_DISABLE_GRAT_CONT  Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   400000 <dec>	
	ET=+ UT=+00.00.06	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420   -200000 <dec>	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.04	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  117 <dec>	



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.01	DMC_MOVE_GRAT_REL_RAW  DMC_MOVE_GRAT_REL  Command Parameter(s) : SET_POINT_INCREMENT                   PP078420  Subsch. ID : 90 Det. descr. : MOVE GRATING OF A RELATIVE POSITION	PC113420  -117 <dec>	
	ET=+ UT=+00.00.16	DMC_DISABLE_GRAT_CONT  DMC_DISABLE_GRAT_CONT  Subsch. ID : 90 Det. descr. : DISABLE GRATING CONTROLLER	PC111420	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
8		Stop Diagnostic HK		Next Step: 9
	ET=+ UT=+00.00.01	DMC_STOP_DIAG_HK  TC Control Flags :  Subsch. ID : 90 Det. descr. : STOP THE ACQUISITION OF THE DIAGNOSTIC HK	DMC_STOP_DIAG_HK  GBM IL DSE --Y -- --	PC147420
		<b>NOTE:</b> The verification of the cessation of generation of the <b>TM(21,3)</b> diagnostic packets cannot be done on the MCS, but can be seen on the NCTRS (VC7)		
9		Go to SAFE mode		Next Step: 10
	ET=+ UT=+00.00.01	DMC_SET_BBID  Command Parameter(s) : BUILDING_BLOCK_ID  TC Control Flags :  Subsch. ID : 90 Det. descr. : SET BBID IN DMC	DMC_SET_BBID  PP070420  GBM IL DSE --Y -- --	PC079420  40180001 <hex>
	ET=+ UT=+00.00.01	DPU_START_OBCP  Command Parameter(s) : PROCEDURE_ID NUMBER_OF_TIMES  Subsch. ID : 90 Det. descr. : START AN OBCP WITH THE COMMANDED PARAMETERS	DPU_START_OBCP  PP012380 PP010380	PC012380  GO_SAFE_MODE 0 <dec>
		Verify Telemetry  DP_TM_RATE	PM049380	= NO PRIME AND=ZAZ98999
10		Set default variables		Next Step: END

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
	ET=+ UT=+00.00.01	DMC_SET_OBSID  Command Parameter(s) : OBSERVATION_ID                   PP069420  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 90 Det. descr. : SET OBSID IN DMC	PC078420  00000000 <hex>	
	ET=+ UT=+00.00.00	DMC_SET_BBID  Command Parameter(s) : BUILDING_BLOCK_ID                   PP070420  Subsch. ID : 90 Det. descr. : SET BBID IN DMC	PC079420  40000000 <hex>	
		Verify Telemetry  DM_OBSID                   PM028420	= 00000000 <hex>	AND=ZAZ98999
		Verify Telemetry  DM_BBID                   PM029420	= 40000000 <hex>	AND=ZAZ98999
<b>End of Procedure</b>				