

: A G'E-Review'&\$\$) Cover Sheet

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Review ID:		ACM Project:		DO-178 Level:	
Review Type:		ACM Subproject:		Rework Effort (hours):	
Produced:				Closure Effort (hours):	

Date Time		Meeting Duration:		Moderator Closure →	
Signature Date		# Participants:		APPROVED By Leon Jiang at 3:31 pm, Jun 08, 2013	
Signature Date		Date Complete:		Audit: Stamp Here	
Telephone Participant Code:		Review Status: (result of review)			

Work Product Type(s): Supporting A aterial(s) / Comments:

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U:[a~ &^!A{] ^!K	Uç^!•ã @Q ã a ^K
# of U:[a~ &^!A technical Defects:	# of Uç^!•ã @Q ã technical Defects:
# of U:[a~ &^!A non-technical Defects:	# of Uç^!•ã @Q ã non-technical Defects:
# of U:[a~ &^!A process Defects:	# of Uç^!•ã @Q ã process Defects:

Work Products Under Review

Reuse Scope:

Problem Report	File Name	File Version	Review Size	Size Units	Approved Version

Participants

Name	Function (discipline)/ Responsibility	Review Time (hours)	Role in review	Attend	Will Close	Signature check complete
						REVIEWED By E800858 at 5:00 pm, Apr 07, 2013
						REVIEWED By Leon Jiang at 3:29 pm, Jun 08, 2013
						REVIEWED By Zhou Xiong at 2:22 pm, Jun 08, 2013

Assignee's signature (stamp) confirms that a review was performed and any action Items and markups were incorporated or dispositioned.

Participant's signature (stamp) confirms participation in the review. A lack of signature (stamp) indicates nonparticipation.

Moderator's signature (stamp) indicates record is complete.

Uç^!•ã @Q|ã, ^!Cã } æ^!Aç } Dã äãã•Açã } |ã!Uç^!•ã @Q|ã æ^!Aç } ä~ &^!Aç
Uæ^!C AÇ &^!Cã } æ^!Aç } Dã äãã•Açã } Ä~Açã^!C AÇ &^!Aç

Coversheet Continued

[illegible]

Change Category: PROBLEM SCR No. : P 17011.01
SCR Status: SEC SCR Status Date: 19-MAY-2013
Originator: Deanna Meloche Date Originated: 17-MAY-2013
Affected Area: VGUIDE Customer No. :
Assignee: Dun, Qing Priority: 3
Verification Assignee: Jiang Guan Lan
Found in Configuration: MDXX_SRD_REV_007 Hardcopy Attachment: None
Target Configuration: MD11_922_TST

Planned Impact: Test
Found During: HI Other

SCR Copied To: < None Entered >

SCR Copied From: < None Entered >

SCR Reissued To: < None Entered >

SCR Reissued From: < None Entered >

Title: Alt Tgt in Des – Requirements Clarification

Description:

VG_MDXX_ALT_TGT_PFD.SRD anchor 7006 needs clarification.
7004 states the altitude target shall be the VG Ref Altitude while not on path.
7006 states the altitude target shall be the max of VG Target Altitude and Descent Target Altitude while on path.
7006 is wrong, there is no such thing as "VG Target Altitude", it should be VG Reference Altitude.
Using VG Target Altitude in 7006 is confusing and should be changed.

SRB Reviewed By: O'Connor, Michael

Date: 17-MAY-2013

Analysis/Solution:

<17-May-2013>[E800858-HTSC]

Updated CTP_MD11_VG_SEL_ALT_TGT for MD11 on bulid 922_604.

TDF(Gen=2)

1. Renummer the TESTID as the same TESTID
2. Added TCs 32-33 to test the anchor VGUIDE_SRD_7006 as per SCR 17011.00
3. Modify TC 15 to test the anchor VGUIDE_SRD_7006 as per SCR 17011.00

ZIP(Gen=4)

1. Update Rst, Rpt file.
2. Added DSP file

Elements Affected:

Doc.	Element	Generation
TEST	CTP_MD11_VG_SEL_ALT_TGT. TDF	2
TEST	CTP_MD11_VG_SEL_ALT_TGT. ZIP	4

ASSIGNEE: Dun, Qing	Date: 20-MAY-2013
VERIFIER:	Date:
CCB COORDINATOR:	Date:

Closure Category: Fixed/Added

Duplicate SCR No. : 00000.00

Project Status: Done

Addendum:

Visual Review Info:

Cert/Sys Concern: 0 - CC1/S1 None/Level 1

Cust Notification: 0 - CN1 None

Expected Inservice: 0 - I1 Not expected to occur in-service

Flight Deck Effect: 0 - FD1 None

Non Customer Input: 0 - P1 None

Workload Wrkaround: 0 - W1 No Workaround Necessary

Must Fix: 0 - MF1 Use Score

Score/Meeting:

Score Comment:

Closed in Config.: MD11_922_TST

Component Test Procedure (CTP) Checklist (CTP_CHECKLIST_WORD.doc 10/24/07)	ACM Project:	FMS2000
	ACM Sub-Project:	MDXX
	SCR Number:	
	Affected Area:	TESTS

Overview: CTPs are generated to verify an individual software element or group of elements properly implement requirements the software element(s) trace to. Use this checklist to inspect test cases and associated test procedures, drivers, and stubs against requirements the software element(s) implement. The CTP(s) are verified to conform to standards, and fully test requirements with appropriate structural coverage. The associate tracing data and test coverage analysis/disposition data (if any) is also verified.

Misc Info Reference: FMS Test Process C71-5780-043, Section 5.

Yes No N/A Administrative

1. Do the CTPs elements follow the standard naming conventions?

CTP_<A/C>_<FAREA>_<FUNC-NAME>.TDF file – CTP Test Definition File

CTP_< A/C >_<FAREA>_< FUNC-NAME >.ZIP file – miscellaneous test related files

CTP_< A/C >_<FAREA>_< FUNC-NAME>.TRT file – CTP Trace file(Core only)

CTP elements configured in the CM tool:

2. Is *.TDF file – CTP Test Definition File present?
3. Is *.ZIP file present?
4. Is *.TRT file – CTP Trace file present (Core only)?

Review Packet information details:

5. Is SCR Number and a copy of the SCR (Sec state) present?
6. Is TDF, TRT(If present), ZIP files with correct generation information present?
7. Support files (SRD, SDD, and Checklist) with Generation information.
8. Does the review packet contain a difference listing of the old test to the new test and are the differences limited to the changes specified in this SCR?
9. Is the version of the material under review and supporting material correct for the SCR(s)?
10. Has the material/version been identified on the cover sheet of the review packet (may reference SCR)?
11. Have all SCR fields (e.g. Analysis/Solution) been filled out properly?

Yes No N/A TDF (CTP Test Definition File)

Does the TDF header include the following fields:

12. Does the TDF header include the following fields:
 - Filename
 - Title
 - Author
 - Creation Date
 - Modification History
 - Source
 - Description of TDF
13. Is the SCR number and description updated for this SCR?
14. Does the TDF header include a unique ANCHOR name for this CTP?
15. Is the list of SRD/SDD element references (and their generation numbers) updated and correct? (including formatting of this information)

Yes No N/A ZIP File (CTP Related Miscellaneous Files)

16. Does the ZIP file contain the updated necessary test files ?
 - *.BAT
 - ~~*.CUL~~ (*.DPN)
 - *.DRV
 - ~~*.VER~~ (*.RST)
 - *.RPT
 - Optional files: STB, DSP, and INC (if necessary).
 - Has the *.CUL file been updated to show the correct span of source code procedures/functions that are being tested by this CTP?

Component Test Procedure (Ctp) Checklist

Yes	No	N/A	TRT File (Core only)
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17. Does the TRT header include the following fields:

- Filename
- Title
- Author
- Creation Date
- Modification History
- Is the modification history with date, author, SCR number, and description updated??

18. Has the traceability matrix been updated/verified (trace to the correct requirements)??

Yes	No	N/A	Test Case Design
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19. Are the test case ID numbers present in sequential order?

20. Does the test script have test case descriptions which describe the objectives, intent, and operation for each test case?

21. Are all the allocated requirements tested?

22. If anchor is found to be a bad trace or vague/ambiguous, has it been disposed with a reference SCR.

23. Does the test case description section of each test case identify the specific requirements (SRD anchors) that are being tested?

24. Does the test case description section of each test case identify the specific requirements (SRD anchors) that are supporting requirements?

25. To ensure robust testing, are all test cases inputs set with at least 2 different values?

26. To ensure robust testing, are boundary conditions and tolerances tested where ever applicable?

Component Test Procedure (Ctp) Checklist

Yes	No	N/A	Test Case Design con't
			27. Coverage Levels – Has every point of entry and exit in the program been invoked at least once?
			28. Coverage Levels – Has every decision in the program taken on all possible outcomes at least once?
			29. Coverage Levels – Has every condition in a decision in the program taken on all possible outcomes at least once?
			30. Coverage Levels – Has every condition in a decision been shown to independently affect that decision's outcome? A condition is shown to independently affect a decision's outcome by varying just that condition while holding fixed all other possible conditions.
			31. Data Coupling – Are there test cases which exercise “data coupling” between software modules (i.e., the dependence of a software component on data not exclusively under the control of that software component)?
			32. Data Coupling – Are there test cases which exercise “control coupling” between software modules (i.e., the manner or degree by which one software component influences the execution of another software component)?
			33. Error Guessing - Do areas in the software known to have complex algorithms have a sufficient number of test cases to ensure they are working as expected?
			34. Error Guessing - Do areas in the software associated with complex requirements have a sufficient number of test cases to ensure they are working as expected?
			35. Outputs - Are all test case outputs measured for at least two different values?
			36. Outputs - Have variables with expected output values been initialized to other values before input to the test process (e.g., If a variable is expected to have an output result of TRUE, is the input state of this variable set to FALSE before executing the test case?)
			37. Coverage Analysis - Are the entire test paths covered as per the structural coverage requirements mandated for Flight Management Systems? If not, are such structural coverage deficiencies dispositioned? If not determined to be a tool problem, then the disposition must reference to an SCR.
			38. Coverage Analysis - For uncovered requirements, is there another test that provides the coverage?
			39. Has the Test name and Anchor required if one exists, been identified? If not, has an SCR been written and the SCR number referenced?
			40. Coverage Analysis – Have all the failures been analyzed and disposed appropriately in the DSP quoting a correct SCR number documenting the reason for the failures.

Component Test Procedure (Ctp) Checklist

Yes No N/A

Polymorphism Related Issues (C++)

- 41. Has the code under test been examined for the existence of dynamic dispatch (can be determined by virtual functions in the code or a virtual table in the assembly code)?
- 42. Does each test case appearing in the set of test cases associated with a class appear in the set of test cases associated with each of its subclasses?
- 43. If dynamic dispatch is involved in the execution of a function, is the method separately tested in the context of every concrete class in which it appears, irrespective of whether it is defined by the class or inherited by it?
An exception is made for simple get and set methods that only assign a value to, or return the value of an attribute or association. Such methods need only be tested once, in the context of the defining class.
- 44. Are errors dispositioned to an SCR or has the test been updated?

Yes No N/A

Other

- 45. Are all defects identified by the previous questions?

N N/A Justification Box

Mode: All Lines

Left base folder: D:\MD11\17011\CTP_MD11_VG_SEL_ALT_TGT\old

Right base folder: D:\MD11\17011\CTP_MD11_VG_SEL_ALT_TGT

File: CTP_MD11_VG_SEL_ALT_TGT.BAT

1	1	ECHO OFF
2	2	REM
3	3	REM BAT File
4	4	REM
5	5	REM CTP_MD11_VG_SEL_ALT_TGT.BAT
6	6	REM
7	7	ECHO ON
8	8	ECHO Building Library
9	9	%build_lib% FM
10	10	ECHO Compiling
11	11	%acomp% CTP_MD11_VG_SEL_ALT_TGT.DRV
12	12	ECHO Linking
13	13	%alink% CTP_MD11_VG_SEL_ALT_TGT
14	14	ECHO Running
15	15	%runtps% CTP_MD11_VG_SEL_ALT_TGT y
16	16	ECHO CTP_MD11_VG_SEL_ALT_TGT Completed Execution

Beyond Compare 2.1.1

File: CTP_MD11_VG_SEL_ALT_TGT.DPN

1	1	## Coverage file for CTP_MD11_VG_SEL_ALT_TGT
2	2	## the following packages, procedures and functions
3	3	## are covered by this test.
4	4	## All names must be in uppercase.
5	5	VG_EIS_ALTITUDE_TARGET_PKG
6	6	VG_EIS_ALTITUDE_TARGET_PKG.SELECT_ALTITUDE_TARGETS
7	7	VG_FCC_ALTITUDE_TARGET_PKG
8	8	VG_FCC_ALTITUDE_TARGET_PKG.SELECT_ALTITUDE_TARGET
9	9	##

File: CTP_MD11_VG_SEL_ALT_TGT.DRV

1	1	--	PEGASUS COMPONENT TEST DRIVER
2	2	--	
3	3	--	COMPONENT: VG_ALTITUDE_TARGET_PKG
4	4	--	
5	5	--	
6	6		package Test_VG_SELECT_ALT_TARGET is
7	7		
8	8	--	Global test variables go here
9	9		-----
10	10	--	This variable added in order to call VG_FCC_ALTITUDE_TARGET_PKG.ADA
11	11	--	to check that the vertical guidance altitude target is in fact the
12	12	--	vertical guidance reference altitude
13	13		-----
14	14		test_for_FCC_call : Boolean;
15	15		
16	16		
17	17		end Test_VG_SELECT_ALT_TARGET;
18	18	--	
19	19	--	
20	20	--	
21	21		with VG_EIS_ALTITUDE_TARGET_PKG;
22	22		with VG_FCC_ALTITUDE_TARGET_PKG;
23	23		with Test_VG_SELECT_ALT_TARGET;
24	24		with Vg_Ac_Unique_Pkg;
25	25		
26	26		use Test_VG_SELECT_ALT_TARGET;
27	27		
28	28		procedure ctp_MD11_VG_SEL_ALT_TGT_d is
29	29		
30	30		
31	31		begin
32	32		
33	33		VG_EIS_ALTITUDE_TARGET_PKG.SELECT_ALTITUDE_TARGETS;
34	34		
35	35		
36	36		if (Test_VG_SELECT_ALT_TARGET.test_for_FCC_call) then
37	37		VG_FCC_ALTITUDE_TARGET_PKG.SELECT_ALTITUDE_TARGET;
38	38		end if;
39	39		
40	40		
41	41		<<testend>> NULL;
42	42		
43	43		end ctp_MD11_VG_SEL_ALT_TGT_d;

File: CTP_MD11_VG_SEL_ALT_TGT.DSP

```

1  ##
2  ##   DSP File
3  ##
4  ##   CTP_MD11_VG_SEL_ALT_TGT.DSP
5  ##
6
7  1. REASON FOR FAILURES OF TEST CASES
8
9  N/A
10
11 »
12 -----
13
14  2. REASON FOR NOT GETTING 100% COVERAGE
15 SubUnit: VG_EIS_ALTITUDE_TARGET_PKG.SELECT_ALTITUDE_TARGETS
16 [235-46 JMPF]Decision ending on line 115 ONLY taken.
17   . 115           if Vg_Ac_Unique_Pkg.Altitude_Bug_Allowed then
18   * 116           Vg_Outputs_Int_Dpkg.Nxtalttgtv := (Vg_Only_Int_Dpkg.Destgtalt
19   » /= Vg_Inputs_Int_Dpkg.Minimum_Certified_Altitude);
20 [235-50 LABEL]Lines 117 - 118 not executed.
21   117           else
22   118           Vg_Outputs_Int_Dpkg.Nxtalttgtv := False;
23
24
25   TCH (Test Coverage Hole) Excuse :<one_path_possible>
26   Analysis of the code has shown that only one p
27   » ath of this branch
28   can be taken as the necessary conditions for t
29   » he other path are logically impossible.
30
31   Vg_Ac_Unique_Pkg.Altitude_Bug_Allowed always return ture so that only one pat
32   » h of this branch can be taken.
33
34 -----
35
36  3. ANY OTHER ISSUES
37
38 N/A

```

File: CTP_MD11_VG_SEL_ALT_TGT.rpt

1	1	#####
2	2	#
3	3	#
4	4	#
5	5	#
6	6	#
7	7	#####
8		Tue Oct 23 17:07:08 China Standard Time 2012
	8	Thu Apr 25 15:33:26 China Standard Time 2013
9	9	
10	10	Test Coverage Analyzer (TCA) V6.13 CLASS A ps4082880-121
11		Win32 Host: WinNT 5.1 Build 2600 UserID: E801455 Node: CH71DT7QL763X (Intel Pen
		» tPro Model 42 Step 7)
12		Current Dir: D:\Exercise and task\VG\New Folder\CTP_MD11_VG_SEL_ALT_TGT
	11	Win32 Host: WinNT 5.1 Build 2600 UserID: E800858 Node: CH71DT34Z873X (Intel Pen
		» tPro Model 42 Step 7)
	12	Current Dir: D:\MD11\17011\CTP_MD11_VG_SEL_ALT_TGT
13	13	
14	14	-----
15		TCA invoked Tue Oct 23 17:07:06 China Standard Time 2012 with command line:
	15	TCA invoked Thu Apr 25 15:33:24 China Standard Time 2013 with command line:
16	16	TCA.exe -TABS -r CTP_MD11_VG_SEL_ALT_TGT.rpt -s -type 3 -p ...
17	17	CTP_MD11_VG_SEL_ALT_TGT_d.pth -x CTP_MD11_VG_SEL_ALT_TGT.xin -c ...
18	18	CTP_MD11_VG_SEL_ALT_TGT.cul --ignore=i,g,h
19	19	-----
20	20	Expanded command line:
21	21	TCA.exe -TABS -r CTP_MD11_VG_SEL_ALT_TGT.rpt -s -type 3 -p ...
22	22	CTP_MD11_VG_SEL_ALT_TGT_d.pth -x CTP_MD11_VG_SEL_ALT_TGT.xin -c ...
23	23	CTP_MD11_VG_SEL_ALT_TGT.cul --ignore=i,g,h
24	24	-----
25	25	
26	26	
27	27	Test Coverage Type: 3
28	28	
29	29	Report File Name : CTP_MD11_VG_SEL_ALT_TGT.rpt
30	30	
31	31	Paths file(s) :
32	32	
33		(P01) CTP_MD11_VG_SEL_ALT_TGT_d.pth Tue Oct 23 17:06:36 2012
	33	(P01) CTP_MD11_VG_SEL_ALT_TGT_d.pth Thu Apr 25 15:32:39 2013
34	34	HADS-290x0 (PC/Windows NT) Ada Compiler, Version 2.9, PS4078711-104
35	35	HADS-290x0 (PC/Windows NT) Ada Compiler, Version 2.9.61, PS4082845-107
36	36	Honeywell 29K Assembler, V3.6, PS4072677-112
	37	Honeywell 29K Assembler, V2.4, PS4072677-105
37	38	HADS-290x0 (PC/Windows NT) Ada Linker, Version 2.9.61, PS4082846-109
38	39	
39	40	XInfo file(s) Test Date Test Platform:
40	41	
41	42	(P01) CTP_MD11_VG_SEL_ALT_TGT_d.pth
42		(X01) CTP_MD11_VG_SEL_ALT_TGT.xin Tue Oct 23 17:06:44 2012 ISS TCA Xinfo,
		» Platform V7.02.04
	43	(X01) CTP_MD11_VG_SEL_ALT_TGT.xin Thu Apr 25 15:32:51 2013 ISS TCA Xinfo,
		» Platform V7.02.04
43	44	
44	45	-----
45	46	Compilation Test Coverage Statistics Warnings
46	47	Unit Name Total Decision Cond Statemnt Block Mixed Bool
47	48	-----
48	49	VG_FCC_ALTITUDE_TARGET_PKG -
49		.SELECT_ALTITUDE_TARGET 91.7 75.0 n/a 100.0 100.0 1 0

File: CTP_MD11_VG_SEL_ALT_TGT.rpt (continued)

50				3/4	n/a	5/5	47/47		
	50	.SELECT_ALTITUDE_TARGET	100.0	100.0	n/a	100.0	100.0	1	0
	51		4/4	n/a	5/5	50/50			
51	52								
52	53	VG_FCC_ALTITUDE_TARGET_PKG	100.0	NONE	n/a	NONE	100.0	0	0
53	54		0/0	n/a	0/0	2/2			
54	55								
55	56	VG_EIS_ALTITUDE_TARGET_PKG -							
56	57	.SELECT_ALTITUDE_TARGETS	96.9	95.0	n/a	97.3	98.6	0	0
57	58		19/20	n/a	36/37	68/69			
58	59								
59	60	VG_EIS_ALTITUDE_TARGET_PKG	100.0	NONE	n/a	NONE	100.0	0	0
60	61		0/0	n/a	0/0	2/2			
61	62								
62	63	-----							
63		Total Percentages	91.7	n/a	97.6	99.2			
64		Totals	22/24	n/a	41/42	119/120			
65		Total Coverage	96.2						
	64	Total Percentages	95.8	n/a	97.6	99.2			
	65	Totals	23/24	n/a	41/42	122/123			
	66	Total Coverage	97.5						
66	67	-----							
67	68	□							
68	69	*****							
69	70								
70	71	Test Coverage Analyzer (TCA) Version 6.13 CLASS A							
71	72								
72	73	*****							
73	74								
74	75	Coverage Type: 3							
75	76								
76	77	Date of report / Report name :							
77	78								
78		Tue Oct 23 17:07:08 2012 CTP_MD11_VG_SEL_ALT_TGT.rpt							
	79	Thu Apr 25 15:33:26 2013 CTP_MD11_VG_SEL_ALT_TGT.rpt							
79	80								
80	81	Current Directory:							
81	82								
82		D:\Exercise and task\VG\New Folder\CTP_MD11_VG_SEL_ALT_TGT							
	83	D:\MD11\17011\CTP_MD11_VG_SEL_ALT_TGT							
83	84								
84	85	Paths file(s) :							
85	86								
86		(P01) CTP_MD11_VG_SEL_ALT_TGT_d.pth Tue Oct 23 17:06:36 2012							
	87	(P01) CTP_MD11_VG_SEL_ALT_TGT_d.pth Thu Apr 25 15:32:39 2013							
87	88	HADS-290x0 (PC/Windows NT) Ada Compiler, Version 2.9, PS4078711-104							
88	89	HADS-290x0 (PC/Windows NT) Ada Compiler, Version 2.9.61, PS4082845-107							
89	90	Honeywell 29K Assembler, V3.6, PS4072677-112							
	91	Honeywell 29K Assembler, V2.4, PS4072677-105							
90	92	HADS-290x0 (PC/Windows NT) Ada Linker, Version 2.9.61, PS4082846-109							
91	93								
92	94	XInfo file(s) Test Date Test Platform:							
93	95								
94	96	(P01) CTP_MD11_VG_SEL_ALT_TGT_d.pth							
95		(X01) CTP_MD11_VG_SEL_ALT_TGT.xin Tue Oct 23 17:06:44 2012 ISS TCA Xinf							
		» o, Platform V7.02.04							
	97	(X01) CTP_MD11_VG_SEL_ALT_TGT.xin Thu Apr 25 15:32:51 2013 ISS TCA Xinf							
		» o, Platform V7.02.04							
96	98								
97	99	Source file(s) :							

File: CTP_MD11_VG_SEL_ALT_TGT.rpt (continued)

98	100	
99		C:\BUILDS\md11\922_408\src_922_408\fm\VG_EIS_ALTITUDE_TARGET_PKG.ADA
100		C:\BUILDS\md11\922_408\src_922_408\fm\VG_FCC_ALTITUDE_TARGET_PKG.ADA
	101	C:\BUILDS\md11\922_604\src_922_604\fm\VG_EIS_ALTITUDE_TARGET_PKG.ADA
	102	C:\BUILDS\md11\922_604\src_922_604\fm\VG_FCC_ALTITUDE_TARGET_PKG.ADA
101	103	
102	104	Total Coverage statistics :
103	105	
104		TYPE 3, 96.2%
	106	TYPE 3, 97.5%
105	107	
106	108	
107	109	*****
108	110	Source Report Legend Key
109	111	(Legend Key may be suppressed by -k option)
110	112	
111	113	Coverage messages preceding source code lines are annotated with
112	114	object code block tags of the form [x-y BLOCKTYPE]. For example,
113	115	[263-17 JMPT] is a block tag for the 17th block of the 263rd unit
114	116	in the pathfile and is a jump true block.
115	117	This block tag annotation is intended to be used as a reference to
116	118	the object code level block report (.tcb) generated with the -B option.
117	119	Each object code block is labeled with a unique block tag.
118	120	
119	121	Each line of source code may be prefixed by one of the following
120	122	indicators:
121	123	. = source line completely or partially executed
122	124	* = source line shown ONLY to clarify previous source lines and
123	125	is NOT actually part of the uncovered source TCA is reporting on
124	126	Note that no prefix indicates source line was not executed
125	127	
126	128	
127	129	*****
128	130	
129	131	Compilation Unit / Source file :
130	132	
131	133	VG_FCC_ALTITUDE_TARGET_PKG.SELECT_ALTITUDE_TARGET
132		C:\BUILDS\md11\922_408\src_922_408\fm\VG_FCC_ALTITUDE_TARGET_PKG.ADA
	134	C:\BUILDS\md11\922_604\src_922_604\fm\VG_FCC_ALTITUDE_TARGET_PKG.ADA
133	135	
134	136	Coverage statistics :
135	137	
136		TYPE 3, 91.7%
	138	TYPE 3, 100.0%
137	139	
138	140	
139		Executed Total
		Decision Paths 3 4
	141	Decision Paths 4 4
140	142	Condition Paths n/a n/a
141	143	Statements 5 5
142		Blocks 47 47
	144	Blocks 50 50
143	145	
144	146	
145	
146		SubUnit: VG_FCC_ALTITUDE_TARGET_PKG.SELECT_ALTITUDE_TARGET
147		{231-11 JMPT}Decision ending on line 59 ONLY taken.
148		. 59 (abs (Vg_Only_Int_Dpkg.Vgrefalt - Vg_Outputs_Int_Dpkg.Vgalttgt)
		» <= 100.0)) then
149		* 60

File: CTP_MD11_VG_SEL_ALT_TGT.rpt (continued)

150		* 61 VG_Outputs_Int_Dpkg.Vgalttgt := Vg_Only_Int_Dpkg.Vgrefalt;
151	147	
152		
153		
154	148	*****
155	149	
156	150	Compilation Unit / Source file :
157	151	
158	152	VG_FCC_ALTITUDE_TARGET_PKG
159		C:\BUILDS\md11\922_408\src_922_408\fm\VG_FCC_ALTITUDE_TARGET_PKG.ADA
	153	C:\BUILDS\md11\922_604\src_922_604\fm\VG_FCC_ALTITUDE_TARGET_PKG.ADA
160	154	
161	155	Coverage statistics :
162	156	
163	157	TYPE 3, 100.0%
164	158	
165	159	Executed Total
166	160	Decision Paths 0 0
167	161	Condition Paths n/a n/a
168	162	Statements 0 0
169	163	Blocks 2 2
170	164	
171	165	
172	166	
173	167	*****
174	168	
175	169	Compilation Unit / Source file :
176	170	
177	171	VG_EIS_ALTITUDE_TARGET_PKG.SELECT_ALTITUDE_TARGETS
178		C:\BUILDS\md11\922_408\src_922_408\fm\VG_EIS_ALTITUDE_TARGET_PKG.ADA
	172	C:\BUILDS\md11\922_604\src_922_604\fm\VG_EIS_ALTITUDE_TARGET_PKG.ADA
179	173	
180	174	Coverage statistics :
181	175	
182	176	TYPE 3, 96.9%
183	177	
184	178	Executed Total
185	179	Decision Paths 19 20
186	180	Condition Paths n/a n/a
187	181	Statements 36 37
188	182	Blocks 68 69
189	183	
190	184	
191	185
192	186	SubUnit: VG_EIS_ALTITUDE_TARGET_PKG.SELECT_ALTITUDE_TARGETS
193		[235-46 JMPF]Decision ending on line 115 ONLY taken.
	187	[4206-46 JMPF]Decision ending on line 115 ONLY taken.
194	188	. 115 if Vg_Ac_Unique_Pkg.Altitude_Bug_Allowed then
195	189	* 116 Vg_Outputs_Int_Dpkg.Nxtalttgtv := (Vg_Only_Int_Dpkg.Destgtalt
		» /= Vg_Inputs_Int_Dpkg.Minimum_Certified_Altitude);
196	190	
197		[235-50 LABEL]Lines 117 - 118 not executed.
	191	[4206-50 LABEL]Lines 117 - 118 not executed.
198	192	117 else
199	193	118 Vg_Outputs_Int_Dpkg.Nxtalttgtv := False;
200	194	
201	195	
202	196	
203	197	*****
204	198	

File: CTP_MD11_VG_SEL_ALT_TGT.rpt (continued)

205	199	Compilation Unit / Source file :
206	200	
207	201	VG_EIS_ALTITUDE_TARGET_PKG
208		C:\BUILDS\md11\922_408\SRC_922_408\fm\VG_EIS_ALTITUDE_TARGET_PKG.ADA
	202	C:\BUILDS\md11\922_604\SRC_922_604\fm\VG_EIS_ALTITUDE_TARGET_PKG.ADA
209	203	
210	204	Coverage statistics :
211	205	
212	206	TYPE 3, 100.0%
213	207	
214	208	Executed Total
215	209	Decision Paths 0 0
216	210	Condition Paths n/a n/a
217	211	Statements 0 0
218	212	Blocks 2 2
219	213	
220	214	
221	215	
222	216	***** End of Report *****

File: CTP_MD11_VG_SEL_ALT_TGT.rst

1	1	
2	2	
3	3	
4	4	RESULTS FILE
5	5	*****
6	6	Test Results Summary
7	7	
8	8	Percentage of Comparisons Passed : 100.0000%
9	9	
10	10	Total Number of Comparisons Failed : 0
11	11	Total Number of Unknown Comparisons : 0
12		Total Number of Comparisons Passed : 87
13		Total Number of Comparisons : 87
14		Total Number of Test Cases Included : 31
	12	Total Number of Comparisons Passed : 89
	13	Total Number of Comparisons : 89
	14	Total Number of Test Cases Included : 33
15	15	
16	16	Test Complete
17	17	
18	18	
19	19	
20	20	*****
21	21	
22	22	
23		Test Start Time: Oct 23 17:06:45 2012
	23	Test Start Time: Apr 25 15:32:52 2013
24	24	
25	25	FILE: CTP_MD11_VG_SEL_ALT_TGT.TDF
26	26	
27	27	TITLE: Vertical Guidance Select Altitude Target
28	28	
29	29	SOURCE CONFIGURATION: ISS
30	30	
31	31	AUTHOR: Keith Scherrer
32	32	
33	33	TRANSLATED BY: Gerald J. Molczyk / David M. Hall DATE: 06-Jun-97
34	34	
35	35	MODIFIED BY: Dennis Kenney / David M. Hall / Christian Sarraf
36	36	
37	37	PACKAGE: VG_ALTITUDE_TARGET_PKG
38	38	
39	39	PROCEDURE: SELECT_ALT_TARGET
40	40	
41	41	PURPOSE: This test is to verify that the Next Altitude Target
42	42	and Altitude Tape Target are correctly selected for
43	43	each operational scenario.
	44	
	45	-- -- --
	46	MODIFIED BY : DUN, QING
	47	DATE : 25 APR 2013
	48	CHECKED UNDER SCR : 17011.01
	49	BUILD USED : MD11_922_604
	50	SRD NAME & VERSION : VG_MDXX_ALT_TGT_PFD.SRD, 6
	51	MODIFICATIONS : 1. Renumber the TESTID as the same TESTID
	52	2. Added TCs 32-33 to test the anchor VGUIDE_SRD_7006 as p
	53	» er SCR 17011.00
	53	3. Modify TC 15 to test the anchor VGUIDE_SRD_7006 as per
	54	» SCR 17011.00

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

44	55	-----
45	56	
46	57	-- -- -- NOTES:
47	58	-- -- -- (1) Original Script:
48	59	-- -- -- Element Name: VGSELALTTGT.PAS
49	60	-- -- -- Last Modified: 16-AUG-1994 10:46:38.64
50	61	-- -- -- Author Name: Keith Scherrer
51	62	-- -- --
52	63	-- -- -- (2) Revision History:
53	64	-- -- -- Element Name: CTP_VG_SELECT_ALT_TARGET.TDF
54	65	-- -- -- Translated: 06-JUN-1997
55	66	-- -- -- Translators: Gerald J. Molczyk / David M. Hall
56	67	-- -- -- NOTES: Ported from scaled Pascal to Ada. Revised for the
57	68	-- -- -- MD11 program.
58	69	-- -- --
59	70	-- -- -- (3) Revision History:
60	71	-- -- -- Element Name: CTP_717_VG_SELECT_ALT_TGT.TDF
61	72	-- -- -- Last Modified: 24-SEP-1998
62	73	-- -- -- Modified by:: Dennis Kenney / David M. Hall / Christian Sarraf
63	74	-- -- -- NOTES: Revised for the MDXX program.
64	75	-- -- --
65	76	-- -- -- (4) Revision History:
66	77	-- -- -- Element Name: CTP_MD10_VG_SEL_ALT_TGT.TDF
67	78	-- -- -- Last Modified: 24-JUL-1999
68	79	-- -- -- Modified by: Christian Sarraf
69	80	-- -- -- NOTES: Revised for the MD10 program.
70	81	-- -- --
71	82	-- -- -- (5) Revision History:
72	83	-- -- -- Element Name: CTP_717C2_VG_SEL_ALT_TGT.TDF
73	84	-- -- -- Last Modified: 20-Feb-2000
74	85	-- -- -- Modified by: Christian Sarraf
75	86	-- -- -- NOTES: Revised for the 717C2 program.
76	87	-- -- --
77	88	-- -- -- (6) Revision History:
78	89	-- -- -- Element Name: CTP_MD11_VG_SEL_ALT_TGT.TDF
79	90	-- -- -- Last Modified: 29-Jun-2000
80	91	-- -- -- Modified by: Christian Sarraf
81	92	-- -- -- NOTES: Revised for the MD11 program.
82	93	
83	94	
84	95	TRACEABILITY TO REQUIREMENTS/CODE:
85	96	
86	97	-- -- -- ANCHOR : MD11_VG_TEST_2059
87	98	-- -- -- SOURCE : VGUIDE_SRD_7000
88	99	
89	100	-- -- -- ANCHOR : MD11_VG_TEST_2057
90	101	-- -- -- SOURCE : VGUIDE_SRD_7002
91	102	
92	103	-- -- -- ANCHOR : MD11_VG_TEST_2018
93	104	-- -- -- SOURCE : VGUIDE_SRD_7003
94	105	
95	106	-- -- -- ANCHOR : MD11_VG_TEST_3830
96	107	-- -- -- SOURCE : VGUIDE_SRD_7004
97	108	
98	109	-- -- -- ANCHOR : MD11_VG_TEST_3831
99	110	-- -- -- SOURCE : VGUIDE_SRD_7006
100	111	
101	112	-- -- -- ANCHOR : MD11_VG_TEST_2019
102	113	-- -- -- SOURCE : VGUIDE_SRD_7007
	114	

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

103	115	-- -- --	ANCHOR	: MD11_VG_TEST_3832
104	116	-- -- --	SOURCE	: VGUIDE_SRD_7008
105	117			
106	118	-- -- --	ANCHOR	: MD11_VG_TEST_3833
107	119	-- -- --	SOURCE	: VGUIDE_SRD_7009
108	120			
109	121	-- -- --	ANCHOR	: MD11_VG_TEST_2020
110	122	-- -- --	SOURCE	: VGUIDE_SRD_7010
111	123			
112	124	-- -- --	ANCHOR	: MD11_VG_TEST_3834
113	125	-- -- --	SOURCE	: VGUIDE_SRD_7011
114	126			
115	127	-- -- --	ANCHOR	: MD11_VG_TEST_3835
116	128	-- -- --	SOURCE	: VGUIDE_SRD_7012
117	129			
118	130	-- -- --	ANCHOR	: MD11_VG_TEST_3836
119	131	-- -- --	SOURCE	: VGUIDE_SRD_7013
120	132			
121	133	-- -- --	ANCHOR	: MD11_VG_TEST_3837
122	134	-- -- --	SOURCE	: VGUIDE_SRD_7015
123	135			
124	136	-- -- --	ANCHOR	: MD11_VG_TEST_3838
125	137	-- -- --	SOURCE	: VGUIDE_SRD_7017
126	138			
127	139	-- -- --	ANCHOR	: MD11_VG_TEST_1178
128	140	-- -- --	SOURCE	: VGUIDE_SRD_2902
129	141			
130	142	-- -- --	ANCHOR	: MD11_VG_TEST_1104
131	143	-- -- --	SOURCE	: VGUIDE_SRD_8005
132	144			
133	145	-- -- --	ANCHOR	: MD11_VG_TEST_1278
134	146	-- -- --	SOURCE	: VGUIDE_SRD_5205
135	147			
136	148	-- -- --	ANCHOR	: MD11_VG_TEST_1202
137	149	-- -- --	SOURCE	: VGUIDE_SRD_5206
138	150			
139	151	-- -- --	ANCHOR	: MD11_VG_TEST_1357
140	152	-- -- --	SOURCE	: VGUIDE_SRD_3041
141	153			
142	154	-- -- --	ANCHOR	: MD11_VG_TEST_1303
143	155	-- -- --	SOURCE	: VGUIDE_SRD_5304
144	156			
145	157	-- -- --	ANCHOR	: MD11_VG_TEST_1417
146	158	-- -- --	SOURCE	: VGUIDE_SRD_3026
147	159			
148	160	-- -- --	ANCHOR	: MD11_VG_TEST_1403
149	161	-- -- --	SOURCE	: VGUIDE_SRD_5618
150	162			
151	163	-- -- --	ANCHOR	: MD11_VG_TEST_1513
152	164	-- -- --	SOURCE	: VGUIDE_SRD_2837
153	165			
154	166	-- -- --	ANCHOR	: MD11_VG_TEST_1503
155	167	-- -- --	SOURCE	: VGUIDE_SRD_5655
156	168			
157	169	-- -- --	ANCHOR	: MD11_VG_TEST_3282
158	170	-- -- --	SOURCE	: VGUIDE_SRD_3072
159	171			
160	172	-- -- --	ANCHOR	: MD11_VG_TEST_3283
161	173	-- -- --	SOURCE	: VGUIDE_SRD_3103
162	174			

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

```

163 175 -- -- -- ANCHOR : MD11_VG_TEST_3284
164 176 -- -- -- SOURCE : VGUIDE_SRD_3221
165 177
166 178 -- -- -- ANCHOR : MD11_VG_TEST_3285
167 179 -- -- -- SOURCE : VGUIDE_SRD_3150
168 180
169 181 -- -- -- ANCHOR : MD11_VG_TEST_3286
170 182 -- -- -- SOURCE : VGUIDE_SRD_3190
171 183
172 184 -- -- -- ANCHOR : MD11_VG_TEST_3287
173 185 -- -- -- SOURCE : VGUIDE_SRD_2810
174 186
175 187 -- -- -- ANCHOR : MD11_VG_TEST_3288
176 188 -- -- -- SOURCE : VGUIDE_SRD_2848
177 189
178 190 -- -- -- ANCHOR : MD11_VG_TEST_3289
179 191 -- -- -- SOURCE : VGUIDE_SRD_2891
180 192
181 193 -- -- -- ANCHOR : MD11_VG_TEST_3899
182 194 -- -- -- SOURCE : VGUIDE_SRD_8286
183 195
184 196 -- -- -- ANCHOR : MD11_VG_TEST_3823
185 197 -- -- -- SOURCE : VGUIDE_SRD_8235
186 198
187 199 -- -- -- ANCHOR : MD11_VG_TEST_3824
188 200 -- -- -- SOURCE : VGUIDE_SRD_8201
189 201
190 202 -- -- -- ANCHOR : MD11_VG_TEST_3825
191 203 -- -- -- SOURCE : VGUIDE_SRD_8152
192 204
193 205 -- -- -- ANCHOR : MD11_VG_TEST_3826
194 206 -- -- -- SOURCE : VGUIDE_SRD_8118
195 207
196 208 -- -- -- ANCHOR : MD11_VG_TEST_3827
197 209 -- -- -- SOURCE : VGUIDE_SRD_2840
198 210
199 211 -- -- -- ANCHOR : MD11_VG_TEST_3828
200 212 -- -- -- SOURCE : VGUIDE_SRD_5555
201 213
202 214 -- -- -- ANCHOR : MD11_VG_TEST_3829
203 215 -- -- -- SOURCE : VGUIDE_SRD_2894
204 216
205 217
206 218
207 219 VERIFY COMPLIANCE WITH SRD SECTION:
208 220
209 221 MD11 Vertical Guidance Altitude Target
210 222
211 223 Vertical Guidance Altitude Target (Airmass Ascent).....10.2.1.3
212 224 Vertical Guidance Altitude Target (Clb Intermediate Level)... 10.2.2.3
213 225 Vertical Guidance Altitude Target (Cruise Level).....10.2.3.3
214 226 Vertical Guidance Altitude Target (Descent Path).....10.2.4.3
215 227 Vertical Guidance Altitude Target (Desc Int Level).....10.2.5.3
216 228 Vertical Guidance Altitude Target (Early Descent).....10.2.6.3
217 229 Vertical Guidance Altitude Target (Late Descent).....10.2.7.3
218 230 Vertical Guidance Altitude Target (Desc Path Overspd).....10.2.8.3
219 231 Vertical Guidance Altitude Target (HM).....10.2.9.3
220 232 Vertical Guidance Altitude Target (Airmass Descent).....10.2.10.3
221 233 Vertical Guidance Altitude Target (EO Takeoff).....10.2.11.3
222 234 Vertical Guidance Altitude Target (EO Takeoff Level Acc).....10.2.12.3

```


File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

```

277 289 define symbol TAKEOFF      := Fmcs_Base_Types.TAKEOFF
278 290 define symbol CLIMB        := Fmcs_Base_Types.CLIMB
279 291 define symbol CRUISE       := Fmcs_Base_Types.CRUISE
280 292 define symbol DESCENT      := Fmcs_Base_Types.DESCENT
281 293 define symbol APPROACH     := Fmcs_Base_Types.Flight_Phase_Type'(Fmcs_Base_Types.APPROAC
    » H)
282 294 define symbol GOAROUND    := Fmcs_Base_Types.GOAROUND
283 295 define symbol DONE        := Fmcs_Base_Types.DONE
284 296 define symbol MASTER     := Fmcs_Base_Types.MASTER
285 297 define symbol WINDSHEAR_MAX_THRUST := Fmcs_Mdxx_Base_Types.WINDSHEAR_MAX_THRUST
286 298 define symbol PITCH_SPEED := Fmcs_Mdxx_Base_Types.PITCH_SPEED
287 299 define symbol ALT_CAPT_SPEED := Fmcs_Mdxx_Base_Types.ALT_CAPT_SPEED
288 300 define symbol ALT_CAPT_IDLE_THRUST := Fmcs_Mdxx_Base_Types.ALT_CAPT_IDLE_THRUST
289 301 define symbol ALT_HOLD_SPEED := Fmcs_Mdxx_Base_Types.ALT_HOLD_SPEED
290 302 define symbol ALT_HOLD_IDLE_THRUST := Fmcs_Mdxx_Base_Types.ALT_HOLD_IDLE_THRUST
291 303 define symbol SPEED_IDLE_THRUST := Fmcs_Mdxx_Base_Types.SPEED_IDLE_THRUST
292 304 define symbol SPEED_MAX_THRUST := Fmcs_Mdxx_Base_Types.SPEED_MAX_THRUST
293 305 define symbol VS_SPEED     := Fmcs_Mdxx_Base_Types.VS_SPEED
294 306 define symbol ALT_HOLD_MAX_THRUST := Fmcs_Mdxx_Base_Types.ALT_HOLD_MAX_THRUST
295 307 define symbol ALT_CAPT_MAX_THRUST := Fmcs_Mdxx_Base_Types.ALT_CAPT_MAX_THRUST
296 308 define symbol TOGA_SPEED_MAX_THRUST := Fmcs_Mdxx_Base_Types.TOGA_SPEED_MAX_THRUST
297 309
298 310
299 311 CONSTANT
    »
    » ----- VALUE -----
300 312 -----
    » -----
301 313 DBG_TIMEOUT
    »
    » 300
302 314
303 315
304 316 TESTID: 1
305 317
306 318 Test Name: VGSELALT_001
307 319 The altitude and next altitude Target shall be invalid when the guidance/control/annu
    » nciation criteria
308 320 (as defined in 10.1.1) are not satisfied.
309 321 SRD Reference: 10.4.2 b. (VGUIDE_SRD_7000, MD11_VG_TEST_2059)
310 322 Notes: Vertical Guidance Active (Vgactive). True means all the conditions for allowi
    » ng Vertical Guidance
311 323 to be active are true. These conditions are explicitly stated in SRD Section 10.1.1.
    » 1b. and comprise
312 324 the guidance process, the control process, and the annunciation process.
313 325
314 326
315 327 INPUT
    »
    » ----- VALUE -----
316 328 -----
    » -----
317 329 Vg_Inputs_Int_Dpkg.Minimum_Certified_Altitude
    »
    » -1000.0
318 330 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call
    »
    » FALSE
319 331 VG_INPUTS_INT_DPKG.AIRBORNE
    »
    » TRUE
320 332 VG_ONLY_INT_DPKG.VGACTIVE
    »
    » FALSE
321 333
322 334
323 335 OUTPUT
    »
    » ----- EXPECTED -----

```


File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

		» TOLERANCE	ACTUAL	P/F	
324	336	-----	-----	-----	
		» -----	-----	-----	
325	337	VG_OUTPUTS_INT_DPKG.NXTALTTGTV			FALSE
		» (N/A)	FALSE	P	
326	338	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			FALSE
		» (N/A)	FALSE	P	
327	339				
328	340				
329	341	====> All 2 Comparisons Passed <====			
330	342				
331	343				
332	344	TESTID: 2			
333	345				
334	346	Test Name: VGSELALT_002			
335	347	Altitude Target			
336	348	SRD Reference: 10.4.2.1			
337	349				
338	350				
339	351	INPUT			
		»	VALUE		
340	352	-----	-----	-----	
		» -----	-----	-----	
341	353	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	FALSE		
342	354	VG_ONLY_INT_DPKG.VGACTIVE			
		»	TRUE		
343	355	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»	MASTER		
344	356	VG_HS_DPKG.DATA.FLTPHASE			
		»	CRUISE		
345	357	VG_INPUTS_INT_DPKG.CRZALT			
		»	25000.0		
346	358	VG_INPUTS_INT_DPKG.CRZALTVAL			
		»	TRUE		
347	359	VG_ONLY_INT_DPKG.VGREFALT			
		»	20000.0		
348	360	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	CLBINTLEVEL		
349	361	VG_OUTPUTS_INT_DPKG.VGALTTGT			
		»	22000.0		
350	362	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			
		»	TRUE		
351	363	VG_ONLY_INT_DPKG.NXTCLBTGT			
		»	18000.0		
352	364	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»	21000.0		
353	365	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»	21000.0		
354	366	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»	TRUE		
355	367				
356	368				
357	369	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
358	370	-----	-----	-----	
		» -----	-----	-----	
359	371	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			TRUE
		» (N/A)	TRUE	P	
360	372	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			22000.0

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

361	373	» 0.0	2.20000E+04	P	
		VG_OUTPUTS_INT_DPKG.NXTALTTGT			25000.0
		» 0.0	2.50000E+04	P	
362	374	VG_OUTPUTS_INT_DPKG.NXTALTTGTV			TRUE
		» (N/A)	TRUE	P	
363	375				
364	376				
365	377	====> All 4 Comparisons Passed <====			
366	378				
367	379				
368	380	TESTID: 3			
369	381				
370	382	Test Name: VGSELALT_003			
371	383	Altitude Target			
372	384	SRD Reference: 10.4.2.1			
373	385				
374	386				
375	387	INPUT			
		»	VALUE		
376	388	-----			
		» -----			
377	389	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	FALSE		
378	390	VG_ONLY_INT_DPKG.VGACTIVE			
		»	TRUE		
379	391	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»	MASTER		
380	392	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	AIRMASSASCNT		
381	393	VG_HS_DPKG.DATA.FLTPHASE			
		»	CRUISE		
382	394	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»	21000.0		
383	395	VG_INPUTS_INT_DPKG.CRZALT			
		»	25000.0		
384	396	VG_INPUTS_INT_DPKG.CRZALTVAL			
		»	TRUE		
385	397	VG_ONLY_INT_DPKG.VGREFALT			
		»	20000.0		
386	398	VG_OUTPUTS_INT_DPKG.VGALTTGT			
		»	22000.0		
387	399	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			
		»	TRUE		
388	400	VG_ONLY_INT_DPKG.NXTCLBTGT			
		»	18000.0		
389	401	VG_INPUTS_INT_DPKG.MDA (MDXX_LGB_TPKG.ACTPRIMARY) .ALT			
		»	21000.0		
390	402	VG_INPUTS_INT_DPKG.MDA (MDXX_LGB_TPKG.ACTPRIMARY) .VAL			
		»	FALSE		
391	403				
392	404				
393	405	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
394	406	-----			
		» -----			
395	407	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			TRUE
		» (N/A)	TRUE	P	
396	408	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			22000.0
		» 0.0	2.20000E+04	P	
397	409	VG_OUTPUTS_INT_DPKG.NXTALTTGT			25000.0

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

		»	0.0	2.50000E+04	P	
398	410	VG_OUTPUTS_INT_DPKG.NXTALTTGTV				TRUE
		»	(N/A)	TRUE	P	
399	411					
400	412					
401	413	====> All 4 Comparisons Passed <====				
402	414					
403	415					
404	416	TESTID: 4				
405	417					
406	418	Test Name: VGSELALT_004				
407	419	Altitude Target				
408	420	SRD Reference: 10.4.2.1				
409	421					
410	422					
411	423	INPUT				
		»	VALUE			
412	424	-----				
		»	-----			
413	425	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call				
		»	FALSE			
414	426	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS				
		»	MASTER			
415	427	VG_HS_DPKG.DATA.FLTPHASE				
		»	TAKEOFF			
416	428	VG_INPUTS_INT_DPKG.ACALT.ALT				
		»	21000.0			
417	429	VG_INPUTS_INT_DPKG.CRZALT				
		»	25000.0			
418	430	VG_INPUTS_INT_DPKG.CRZALTVAL				
		»	TRUE			
419	431	VG_ONLY_INT_DPKG.VGREFALT				
		»	20000.0			
420	432	VG_OUTPUTS_INT_DPKG.OPPROC				
		»	CLBINTLEVEL			
421	433	VG_OUTPUTS_INT_DPKG.VGALTTGT				
		»	20000.0			
422	434	VG_OUTPUTS_INT_DPKG.VGALTTGTVL				
		»	TRUE			
423	435	VG_ONLY_INT_DPKG.NXTCLBTGT				
		»	18000.0			
424	436	VG_INPUTS_INT_DPKG.MAXIMUM_CERTIFIED_ALTITUDE				
		»	19000.0			
425	437	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT				
		»	21000.0			
426	438	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL				
		»	FALSE			
427	439					
428	440					
429	441	OUTPUT				EXPECTED
		»	TOLERANCE	ACTUAL	P/F	
430	442	-----				-----
		»	-----			-----
431	443	VG_INPUTS_INT_DPKG.MAXIMUM_CERTIFIED_ALTITUDE				19000.0
		»	0.0	1.90000E+04	P	
432	444	VG_OUTPUTS_INT_DPKG.ALTTAPETGT				20000.0
		»	0.0	2.00000E+04	P	
433	445	VG_OUTPUTS_INT_DPKG.NXTALTTGT				18000.0
		»	0.0	1.80000E+04	P	
434	446	VG_OUTPUTS_INT_DPKG.NXTALTTGTV				TRUE

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

		» (N/A)	TRUE	P
435	447			
436	448			
437	449	====> All 4 Comparisons Passed <====		
438	450			
439	451			
440	452	TESTID: 5		
441	453			
442	454	Test Name: VGSELALT_005		
443	455	Altitude Target		
444	456	SRD Reference: 10.4.2.1		
445	457			
446	458			
447	459	INPUT		
		» VALUE		
448	460	-----		
		» -----		
449	461	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call		
		» FALSE		
450	462	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS		
		» MASTER		
451	463	VG_HS_DPKG.DATA.FLTPHASE		
		» TAKEOFF		
452	464	VG_INPUTS_INT_DPKG.ACALT.ALT		
		» 21000.0		
453	465	VG_INPUTS_INT_DPKG.CRZALT		
		» 25000.0		
454	466	VG_INPUTS_INT_DPKG.CRZALTVAL		
		» TRUE		
455	467	VG_ONLY_INT_DPKG.VGREFALT		
		» 20000.0		
456	468	VG_OUTPUTS_INT_DPKG.OPPROC		
		» CLBINTLEVEL		
457	469	VG_OUTPUTS_INT_DPKG.VGALTGT		
		» 20000.0		
458	470	VG_OUTPUTS_INT_DPKG.VGALTGTVL		
		» TRUE		
459	471	VG_ONLY_INT_DPKG.NXTCLBTGT		
		» 18000.0		
460	472	VG_INPUTS_INT_DPKG.MAXIMUM_CERTIFIED_ALTITUDE		
		» 18000.0		
461	473	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT		
		» 21000.0		
462	474	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL		
		» FALSE		
463	475			
464	476			
465	477	OUTPUT		EXPECTED
		» TOLERANCE ACTUAL P/F		
466	478	-----		-----
		» -----		
467	479	VG_INPUTS_INT_DPKG.MAXIMUM_CERTIFIED_ALTITUDE		18000.0
		» 0.0 1.80000E+04 P		
468	480	VG_INPUTS_INT_DPKG.CRZALT		25000.0
		» 0.0 2.50000E+04 P		
469	481	VG_OUTPUTS_INT_DPKG.ALTTAPETGT		20000.0
		» 0.0 2.00000E+04 P		
470	482	VG_OUTPUTS_INT_DPKG.NXTALTTGT		25000.0
		» 0.0 2.50000E+04 P		
471	483	VG_OUTPUTS_INT_DPKG.NXTALTTGTV		TRUE

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

472	484	» (N/A)	TRUE	P
473	485			
474	486	====> All 5 Comparisons Passed <====		
475	487			
476	488			
477	489	TESTID: 6		
478	490			
479	491	Test Name: VGSELALT_006		
480	492	Next Altitude Target		
481	493	SRD Reference: 10.4.2.2		
482	494			
483	495			
484	496	INPUT		
		» VALUE		
485	497	-----		
		» -----		
486	498	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call		
		» FALSE		
487	499	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS		
		» MASTER		
488	500	VG_HS_DPKG.DATA.FLTPHASE		
		» CRUISE		
489	501	VG_INPUTS_INT_DPKG.ACALT.ALT		
		» 21000.0		
490	502	VG_INPUTS_INT_DPKG.CRZALT		
		» 25000.0		
491	503	VG_INPUTS_INT_DPKG.CRZALTVAL		
		» TRUE		
492	504	VG_ONLY_INT_DPKG.NXTCLBTGT		
		» 18000.0		
493	505	VG_ONLY_INT_DPKG.VGREFALT		
		» 20000.0		
494	506	VG_OUTPUTS_INT_DPKG.OPPROC		
		» CLBINTLEVEL		
495	507	VG_OUTPUTS_INT_DPKG.VGALTGT		
		» 22000.0		
496	508	VG_OUTPUTS_INT_DPKG.VGALTGTVAL		
		» FALSE		
497	509	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT		
		» 21000.0		
498	510	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL		
		» FALSE		
499	511			
500	512			
501	513	OUTPUT		EXPECTED
		» TOLERANCE ACTUAL P/F		
502	514	-----		-----
		» -----		----
503	515	VG_OUTPUTS_INT_DPKG.NXTALTGT		25000.0
		» 0.0 2.50000E+04 P		
504	516	VG_INPUTS_INT_DPKG.CRZALT		25000.0
		» 0.0 2.50000E+04 P		
505	517	VG_OUTPUTS_INT_DPKG.NXTALTGTVAL		TRUE
		» (N/A) TRUE P		
506	518	VG_OUTPUTS_INT_DPKG.VGALTGTVAL		FALSE
		» (N/A) FALSE P		
507	519			
508	520			
509	521	====> All 4 Comparisons Passed <====		

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

```

510 522
511 523
512 524 TESTID: 7
513 525
514 526 Test Name:   VGSELALT_007
515 527 Next Altitude Target
516 528 SRD Reference: 10.4.2.2
517 529
518 530
519 531 INPUT
    »
    »                               VALUE
520 532 -----
    » -----
521 533 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call
    »                               FALSE
522 534 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS
    »                               MASTER
523 535 VG_HS_DPKG.DATA.FLTPHASE
    »                               CLIMB
524 536 VG_INPUTS_INT_DPKG.ACALT.ALT
    »                               21000.0
525 537 VG_INPUTS_INT_DPKG.CRZALT
    »                               25000.0
526 538 VG_ONLY_INT_DPKG.NXTCLBTGT
    »                               19000.0
527 539 VG_ONLY_INT_DPKG.VGREFALT
    »                               20000.0
528 540 VG_OUTPUTS_INT_DPKG.OPPROC
    »                               AIRMASSASCNT
529 541 VG_OUTPUTS_INT_DPKG.VGALTGTGTVL
    »                               FALSE
530 542 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT
    »                               22000.0
531 543 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL
    »                               TRUE
532 544
533 545
534 546 OUTPUT                               EXPECTED
    »  TOLERANCE                ACTUAL                P/F
535 547 -----
    » -----
536 548 VG_OUTPUTS_INT_DPKG.NXTALTGTGTVL          19000.0
    »          0.0                1.90000E+04    P
537 549 VG_OUTPUTS_INT_DPKG.NXTALTGTGTVL          TRUE
    »          (N/A)                TRUE    P
538 550 VG_OUTPUTS_INT_DPKG.VGALTGTGTVL          FALSE
    »          (N/A)                FALSE    P
539 551
540 552
541 553 ==> All 3 Comparisons Passed <==
542 554
543 555
544 556 TESTID: 8
545 557
546 558 Test Name:   VGSELALT_008
547 559 Next Altitude Target
548 560 SRD Reference: 10.4.2.2
549 561
550 562
551 563 INPUT

```

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

		» VALUE		
552	564	-----		
		» -----		
553	565	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call		
		» FALSE		
554	566	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS		
		» MASTER		
555	567	VG_HS_DPKG.DATA.FLTPHASE		
		» TAKEOFF		
556	568	VG_INPUTS_INT_DPKG.ACALT.ALT		
		» 21000.0		
557	569	VG_INPUTS_INT_DPKG.CRZALT		
		» 25000.0		
558	570	VG_INPUTS_INT_DPKG.CRZALTVAL		
		» FALSE		
559	571	VG_ONLY_INT_DPKG.NXTCLBTGT		
		» 20000.0		
560	572	VG_ONLY_INT_DPKG.VGREFALT		
		» 20000.0		
561	573	VG_OUTPUTS_INT_DPKG.OPPROC		
		» CLBINTLEVEL		
562	574	VG_OUTPUTS_INT_DPKG.VGALTGTVAL		
		» TRUE		
563	575	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT		
		» 21000.0		
564	576	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL		
		» FALSE		
565	577			
566	578			
567	579	OUTPUT		EXPECTED
		» TOLERANCE		
568	580	-----		
		» -----		
569	581	VG_OUTPUTS_INT_DPKG.NXTALTGT		20000.0
		» 0.0 2.00000E+04 P		
570	582	VG_OUTPUTS_INT_DPKG.NXTALTGTVAL		TRUE
		» (N/A) TRUE P		
571	583			
572	584			
573	585	====> All 2 Comparisons Passed <====		
574	586			
575	587			
576	588	TESTID: 9		
577	589			
578	590	Test Name: VGSELALT_009		
579	591	Next Altitude Target		
580	592	SRD Reference: 10.4.2.2		
581	593			
582	594			
583	595	INPUT		
		» VALUE		
584	596	-----		
		» -----		
585	597	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call		
		» FALSE		
586	598	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS		
		» MASTER		
587	599	VG_HS_DPKG.DATA.FLTPHASE		
		» CRUISE		
588	600	VG_INPUTS_INT_DPKG.ACALT.ALT		

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

```

589 601 VG_INPUTS_INT_DPKG.CRZALT                21000.0
      »
590 602 VG_INPUTS_INT_DPKG.CRZALTVAL            25000.0
      »
591 603 VG_ONLY_INT_DPKG.NXTCLBTGT              TRUE
      »
592 604 VG_ONLY_INT_DPKG.VGREFALT              18000.0
      »
593 605 VG_OUTPUTS_INT_DPKG.OPPROC              20000.0
      »
594 606 VG_OUTPUTS_INT_DPKG.VGALTGTGT          CLBINTLEVEL
      »
595 607 VG_OUTPUTS_INT_DPKG.VGALTGTGTVL        22000.0
      »
596 608 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT  TRUE
      »
597 609 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL  21000.0
      »
598 610                                     FALSE
599 611
600 612 OUTPUT                                     EXPECTED
      »  TOLERANCE                ACTUAL                P/F
601 613 -----
      » -----
602 614 VG_OUTPUTS_INT_DPKG.NXTALTTGT                25000.0
      »      0.0                2.50000E+04  P
603 615 VG_OUTPUTS_INT_DPKG.NXTALTTGTV              TRUE
      »      (N/A)                TRUE  P
604 616
605 617
606 618 ===== All 2 Comparisons Passed <=====
607 619
608 620
609 621 TESTID: 10
610 622
611 623 Test Name:   VGSELALT_010
612 624 Next altitude Target
613 625 SRD Reference:  10.4.2.2
614 626
615 627
616 628 INPUT
      »
617 629 -----
      » -----
618 630 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call
      »                                     FALSE
619 631 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS
      »                                     MASTER
620 632 VG_HS_DPKG.DATA.FLTPHASE
      »                                     CRUISE
621 633 VG_INPUTS_INT_DPKG.ACALT.ALT
      »                                     21000.0
622 634 VG_INPUTS_INT_DPKG.CRZALT
      »                                     23000.0
623 635 VG_INPUTS_INT_DPKG.CRZALTVAL
      »                                     TRUE
624 636 VG_ONLY_INT_DPKG.NXTCLBTGT
      »                                     18000.0
625 637 VG_ONLY_INT_DPKG.VGREFALT

```


File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

```

626 638 » 20000.0
        VG_OUTPUTS_INT_DPKG.OPPROC
        » CLBINTLEVEL
627 639 VG_OUTPUTS_INT_DPKG.VGALTTGT
        » 22000.0
628 640 VG_OUTPUTS_INT_DPKG.VGALTTGTVL
        » TRUE
629 641 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT
        » 21000.0
630 642 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL
        » FALSE
631 643
632 644
633 645 OUTPUT EXPECTED
        » TOLERANCE ACTUAL P/F
634 646 -----
        » -----
635 647 VG_OUTPUTS_INT_DPKG.NXTALTTGT 23000.0
        » 0.0 2.30000E+04 P
636 648 VG_OUTPUTS_INT_DPKG.NXTALTTGTV TRUE
        » (N/A) TRUE P
637 649
638 650
639 651 ===== All 2 Comparisons Passed =====
640 652
641 653
642 654 TESTID: 11
643 655
644 656 Test Name: VGSELALT_011
645 657 Next altitude Target
646 658 SRD Reference: 10.4.2.2
647 659
648 660
649 661 INPUT
        » VALUE
650 662 -----
        » -----
651 663 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call
        » FALSE
652 664 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS
        » MASTER
653 665 VG_HS_DPKG.DATA.FLTPHASE
        » CRUISE
654 666 VG_INPUTS_INT_DPKG.ACALT.ALT
        » 21000.0
655 667 VG_INPUTS_INT_DPKG.CRZALT
        » 27000.0
656 668 VG_ONLY_INT_DPKG.NXTCLBTGT
        » 15000.0
657 669 VG_ONLY_INT_DPKG.VGREFALT
        » 20000.0
658 670 VG_OUTPUTS_INT_DPKG.OPPROC
        » AIRMASSASCNT
659 671 VG_OUTPUTS_INT_DPKG.VGALTTGT
        » 25500.0
660 672 VG_OUTPUTS_INT_DPKG.VGALTTGTVL
        » TRUE
661 673 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT
        » 21000.0
662 674 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL

```

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

		»	FALSE	
663	675			
664	676			
665	677	OUTPUT		EXPECTED
		» TOLERANCE	ACTUAL	P/F
666	678	-----	-----	-----
		» -----	-----	-----
667	679	VG_OUTPUTS_INT_DPKG.NXTALTTGT		27000.0
		» 0.0	2.70000E+04	P
668	680	VG_OUTPUTS_INT_DPKG.NXTALTTGTV		TRUE
		» (N/A)	TRUE	P
669	681			
670	682			
671	683	====> All 2 Comparisons Passed <====		
672	684			
673	685			
674	686	TESTID: 12		
675	687			
676	688	Test Name: VGSELALT_012		
677	689	Next altitude Target		
678	690	SRD Reference: 10.4.2.2		
679	691			
680	692			
681	693	INPUT		
		»	VALUE	
682	694	-----	-----	-----
		» -----	-----	-----
683	695	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call		
		»	FALSE	
684	696	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS		
		»	MASTER	
685	697	VG_HS_DPKG.DATA.FLTPHASE		
		»	CRUISE	
686	698	VG_INPUTS_INT_DPKG.ACALT.ALT		
		»	21000.0	
687	699	VG_INPUTS_INT_DPKG.CRZALT		
		»	26000.0	
688	700	VG_INPUTS_INT_DPKG.FCCSELALT		
		»	26000.0	
689	701	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT		
		»	21000.0	
690	702	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL		
		»	FALSE	
691	703	VG_ONLY_INT_DPKG.NXTDESTGT		
		»	15000.0	
692	704	VG_ONLY_INT_DPKG.VGREFALT		
		»	26000.0	
693	705	VG_OUTPUTS_INT_DPKG.OPPROC		
		»	CRZLEVEL	
694	706	VG_OUTPUTS_INT_DPKG.VGALTTGTVL		
		»	TRUE	
695	707			
696	708			
697	709	OUTPUT		EXPECTED
		» TOLERANCE	ACTUAL	P/F
698	710	-----	-----	-----
		» -----	-----	-----
699	711	VG_OUTPUTS_INT_DPKG.NXTALTTGT		26000.0
		» 0.0	2.60000E+04	P
700	712	VG_OUTPUTS_INT_DPKG.NXTALTTGTV		TRUE

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

	»	(N/A)	TRUE	P
701	713			
702	714			
703	715	====> All 2 Comparisons Passed <====		
704	716			
705	717			
706	718	TESTID: 13		
707	719			
708	720	Test Name: VGSELALT_013		
709	721	Next altitude Target		
710	722	SRD Reference: 10.4.2.2		
711	723			
712	724			
713	725	INPUT		
	»	VALUE		
714	726	-----		
	»	-----		
715	727	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call		
	»	FALSE		
716	728	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS		
	»	MASTER		
717	729	VG_HS_DPKG.DATA.FLTPHASE		
	»	CRUISE		
718	730	VG_INPUTS_INT_DPKG.ACALT.ALT		
	»	17000.0		
719	731	VG_INPUTS_INT_DPKG.CRZALT		
	»	26000.0		
720	732	VG_INPUTS_INT_DPKG.CRZALTVAL		
	»	TRUE		
721	733	VG_INPUTS_INT_DPKG.FCCSELALT		
	»	14000.0		
722	734	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT		
	»	16000.0		
723	735	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL		
	»	TRUE		
724	736	VG_ONLY_INT_DPKG.NXTDESTGT		
	»	15000.0		
725	737	VG_ONLY_INT_DPKG.VGREFALT		
	»	26000.0		
726	738	VG_OUTPUTS_INT_DPKG.OPPROC		
	»	CRZLEVEL		
727	739	VG_OUTPUTS_INT_DPKG.VGALTGTVAL		
	»	TRUE		
728	740			
729	741			
730	742	OUTPUT		EXPECTED
	»	TOLERANCE	ACTUAL	P/F
731	743	-----	-----	-----
	»	-----	-----	----
732	744	VG_OUTPUTS_INT_DPKG.NXTALTGT		16000.0
	»	0.0	1.60000E+04	P
733	745	VG_OUTPUTS_INT_DPKG.NXTALTGTVAL		TRUE
	»	(N/A)	TRUE	P
734	746			
735	747			
736	748	====> All 2 Comparisons Passed <====		
737	749			
738	750			
739	751	TESTID: 14		
740	752			

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

741	753	Test Name: VGSELALT_014			
742	754	Next altitude Target			
743	755	SRD Reference: 10.4.2.2			
744	756				
745	757				
746	758	INPUT			
		»	VALUE		
747	759	-----			
		» -----			
748	760	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	TRUE		
749	761	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»	MASTER		
750	762	VG_HS_DPKG.DATA.FLTPHASE			
		»	CRUISE		
751	763	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»	21000.0		
752	764	VG_INPUTS_INT_DPKG.CRZALT			
		»	26000.0		
753	765	VG_INPUTS_INT_DPKG.CRZALTVAL			
		»	TRUE		
754	766	VG_INPUTS_INT_DPKG.FCCSELALT			
		»	14000.0		
755	767	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»	21000.0		
756	768	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»	TRUE		
757	769	VG_ONLY_INT_DPKG.NXTDESTGT			
		»	-1000.0		
758	770	VG_ONLY_INT_DPKG.STEPCLBAHD			
		»	TRUE		
759	771	VG_ONLY_INT_DPKG.VGREFALT			
		»	25000.0		
760	772	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	CRZLEVEL		
761	773	VG_OUTPUTS_INT_DPKG.VGALTGTGTVL			
		»	FALSE		
762	774				
763	775				
764	776	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
765	777	-----			-----
		» -----			----
766	778	VG_OUTPUTS_INT_DPKG.NXTALTGT			26000.0
		» 0.0	2.60000E+04	P	
767	779	VG_OUTPUTS_INT_DPKG.NXTALTGTV			TRUE
		» (N/A)	TRUE	P	
768	780	VG_OUTPUTS_INT_DPKG.VGALTGTGTVL			TRUE
		» (N/A)	TRUE	P	
769	781				
770	782				
771	783	====> All 3 Comparisons Passed <====			
772	784				
773	785				
774	786	TESTID: 15			
775	787				
776	788	Test Name: VGSELALT_015			
777		Next altitude Target			
778		SRD Reference: 10.4.2.2			
	789	Next altitude Target (10.4.2.2)			

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

790	790				
791	791	During Descent and Approach, maintaining Des/Appr Path, the Altitude Target shall be			
792	792	the maximum of the Vertical Guidance Reference Altitude (10.1.6) and the Descent			
793	793	Target Altitude (10.1.6.1.4), when the Vertical Guidance Operational Procedure (10.2)			
794	794	» is Descent Path.			
795	795	this case to verify when the Vertical Guidance Operational Procedure is Descent Path,			
796	796	the Vertical Guidance Reference Altitude less than the Descent Target Altitude ,			
797	797	then he Altitude Target Is equal to the Descent Target Altitude			
798	798	SRD Reference: VGUIDE_SRD_7006			
799	799				
800	800	SRD Reference: 10.4.2.2, VGUIDE_SRD_7006			
779	801				
780	802				
781	803	INPUT			
782	804	» VALUE			
783	805	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
784	806	» FALSE			
785	807	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
786	808	» MASTER			
787	809	VG_HS_DPKG.DATA.FLTPHASE			
788	810	» DESCENT			
789	811	VG_INPUTS_INT_DPKG.ACALT.ALT			
790	812	» 20000.0			
791	813	VG_INPUTS_INT_DPKG.FCCSELALT			
792	814	» 14000.0			
793	815	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
794	816	» 21000.0			
795	817	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
796	818	» FALSE			
797	819	VG_ONLY_INT_DPKG.DESTGTALT			
798	820	» 20000.0			
799	821	VG_ONLY_INT_DPKG.NXTDESTGT			
800	822	» 25000.0			
801	823	VG_ONLY_INT_DPKG.VGREFALT			
802	824	» 25000.0			
803	825	VG_OUTPUTS_INT_DPKG.OPPROC			
804	826	» DESCENTPATH			
805	827	VG_OUTPUTS_INT_DPKG.VGALTGT			
806	828	» 19500.0			
		VG_OUTPUTS_INT_DPKG.VGALTGTVL			
		» TRUE			
		OUTPUT			
		» TOLERANCE ACTUAL P/F EXPECTED			
		» -----			
		» -----			
		VG_OUTPUTS_INT_DPKG.ALTTAPETGT			
		» 0.0 2.00000E+04 P 20000.0			
		VG_OUTPUTS_INT_DPKG.NXTALTGT			
		» 0.0 2.50000E+04 P 25000.0			
		VG_OUTPUTS_INT_DPKG.NXTALTGTV			
		» (N/A) TRUE P TRUE			
		====> All 3 Comparisons Passed <====			

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

807	829				
808	830	TESTID: 16			
809	831				
810	832	Test Name: VGSELALT_016			
811	833	Next altitude Target			
812	834	SRD Reference: 10.4.2.2			
813	835				
814	836				
815	837	INPUT			
		»	VALUE		
816	838	-----			
		» -----			
817	839	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	TRUE		
818	840	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»	MASTER		
819	841	VG_HS_DPKG.DATA.FLTPHASE			
		»	DESCENT		
820	842	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»	16000.0		
821	843	VG_INPUTS_INT_DPKG.FCCENGDMODE			
		»	ALT_HOLD_SPEED		
822	844	VG_INPUTS_INT_DPKG.FCCSELALT			
		»	14000.0		
823	845	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»	15566.0		
824	846	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»	TRUE		
825	847	VG_ONLY_INT_DPKG.DESTGTALT			
		»	16000.0		
826	848	VG_ONLY_INT_DPKG.NXTDESTGT			
		»	14050.0		
827	849	VG_ONLY_INT_DPKG.VGREFALT			
		»	15566.0		
828	850	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	DESINTLEVEL		
829	851	VG_OUTPUTS_INT_DPKG.VGALTGT			
		»	14500.0		
830	852	VG_OUTPUTS_INT_DPKG.VGALTGTVL			
		»	TRUE		
831	853				
832	854				
833	855	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
834	856	-----			-----
		» -----			
835	857	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			14500.0
		» 0.0	1.45000E+04	P	
836	858	VG_OUTPUTS_INT_DPKG.NXTALTTGT			15566.0
		» 0.0	1.55660E+04	P	
837	859	VG_OUTPUTS_INT_DPKG.NXTALTTGTV			TRUE
		» (N/A)	TRUE	P	
838	860	VG_OUTPUTS_INT_DPKG.VGALTGTVL			FALSE
		» (N/A)	FALSE	P	
839	861				
840	862				
841	863	====> All 4 Comparisons Passed <====			
842	864				
843	865				
844	866	TESTID: 17			

File: CTP MD11 VG SEL ALT TGT.rst (continued)

845	867					
846	868	Test Name:	VGSELALT_017			
847	869	Next altitude Target				
848	870	SRD Reference:	10.4.2.2			
849	871					
850	872					
851	873	INPUT				
		»	VALUE			
852	874	-----				
		»	-----			
853	875	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call				
		»	TRUE			
854	876	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS				
		»	MASTER			
855	877	VG_HS_DPKG.DATA.FLTPHASE				
		»	DESCENT			
856	878	VG_INPUTS_INT_DPKG.ACALT.ALT				
		»	21000.0			
857	879	VG_INPUTS_INT_DPKG.FCCSELALT				
		»	14000.0			
858	880	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT				
		»	21000.0			
859	881	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL				
		»	FALSE			
860	882	VG_ONLY_INT_DPKG.DESTGTALT				
		»	22000.0			
861	883	VG_ONLY_INT_DPKG.NXTDESTGT				
		»	15500.0			
862	884	VG_ONLY_INT_DPKG.VGREFALT				
		»	21500.0			
863	885	VG_OUTPUTS_INT_DPKG.OPPROC				
		»	DESPATHOVER			
864	886	VG_OUTPUTS_INT_DPKG.VGALTTGT				
		»	15555.0			
865	887	VG_OUTPUTS_INT_DPKG.VGALTTGTVL				
		»	TRUE			
866	888					
867	889					
868	890	OUTPUT			EXPECTED	
		» TOLERANCE	ACTUAL	P/F		
869	891	-----			-----	
		»	-----	----		
870	892	VG_OUTPUTS_INT_DPKG.ALTTAPETGT				15555.0
		» 0.0	1.55550E+04	P		
871	893	VG_OUTPUTS_INT_DPKG.NXTALTTGT				15500.0
		» 0.0	1.55000E+04	P		
872	894	VG_OUTPUTS_INT_DPKG.NXTALTTGTV				TRUE
		» (N/A)	TRUE	P		
873	895					
874	896					
875	897	====> All 3 Comparisons Passed <====				
876	898					
877	899					
878	900	TESTID: 18				
879	901					
880	902	Test Name:	VGSELALT_018			
881	903	Next altitude Target				
882	904	SRD Reference:	10.4.2.2			
883	905					
884	906					

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

885	907	INPUT			
		»	VALUE		
886	908	-----			
		»	-----		
887	909	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	FALSE		
888	910	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»	MASTER		
889	911	VG_HS_DPKG.DATA.FLTPHASE			
		»	DESCENT		
890	912	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»	21000.0		
891	913	VG_INPUTS_INT_DPKG.FCCSELALT			
		»	14000.0		
892	914	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»	21000.0		
893	915	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»	FALSE		
894	916	VG_ONLY_INT_DPKG.DESTGTALT			
		»	14500.0		
895	917	VG_ONLY_INT_DPKG.NXTDESTGT			
		»	14050.0		
896	918	VG_ONLY_INT_DPKG.VGREFALT			
		»	22000.0		
897	919	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	LATEDESCENT		
898	920	VG_OUTPUTS_INT_DPKG.VGALTGT			
		»	15555.0		
899	921	VG_OUTPUTS_INT_DPKG.VGALTGTVL			
		»	TRUE		
900	922				
901	923				
902	924	OUTPUT		EXPECTED	
		»	TOLERANCE	ACTUAL	P/F
903	925	-----			
		»	-----		
904	926	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			15555.0
		»	0.0	1.55550E+04	P
905	927	VG_OUTPUTS_INT_DPKG.NXTALTGT			14500.0
		»	0.0	1.45000E+04	P
906	928	VG_OUTPUTS_INT_DPKG.NXTALTGTV			TRUE
		»	(N/A)	TRUE	P
907	929				
908	930				
909	931	====> All 3 Comparisons Passed <====			
910	932				
911	933				
912	934	TESTID: 19			
913	935				
914	936	Test Name: VGSELALT_019			
915	937	Next altitude Target			
916	938	SRD Reference: 10.4.2.2			
917	939				
918	940				
919	941	INPUT			
		»	VALUE		
920	942	-----			
		»	-----		
921	943	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	FALSE		

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

922	944	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»		MASTER	
923	945	VG_HS_DPKG.DATA.FLTPHASE			
		»		DESCENT	
924	946	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»		21000.0	
925	947	VG_INPUTS_INT_DPKG.FCCSELALT			
		»		14000.0	
926	948	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»		21000.0	
927	949	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»		FALSE	
928	950	VG_ONLY_INT_DPKG.DESTGTALT			
		»		15000.0	
929	951	VG_ONLY_INT_DPKG.NXTDESTGT			
		»		14050.0	
930	952	VG_ONLY_INT_DPKG.VGREFALT			
		»		21000.0	
931	953	VG_OUTPUTS_INT_DPKG.OPPROC			
		»		EARLYDESCENT	
932	954	VG_OUTPUTS_INT_DPKG.VGALTGT			
		»		15555.0	
933	955	VG_OUTPUTS_INT_DPKG.VGALTGTVL			
		»		TRUE	
934	956				
935	957				
936	958	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
937	959	-----	-----	-----	-----
		» -----	-----	----	
938	960	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			15555.0
		» 0.0	1.55550E+04	P	
939	961	VG_OUTPUTS_INT_DPKG.NXTALTTGT			15000.0
		» 0.0	1.50000E+04	P	
940	962	VG_OUTPUTS_INT_DPKG.NXTALTTGTV			TRUE
		» (N/A)	TRUE	P	
941	963				
942	964				
943	965	====> All 3 Comparisons Passed <====			
944	966				
945	967				
946	968	TESTID: 20			
947	969				
948	970	Test Name: VGSELALT_020			
949	971	Next altitude Target			
950	972	SRD Reference: 10.4.2.2			
951	973				
952	974				
953	975	INPUT			
		»	VALUE		
954	976	-----	-----	-----	-----
		» -----	-----	-----	
955	977	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»		FALSE	
956	978	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»		MASTER	
957	979	VG_HS_DPKG.DATA.FLTPHASE			
		»		DESCENT	
958	980	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»		21000.0	

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

959	981	VG_INPUTS_INT_DPKG.FCCSELALT			
		»	14000.0		
960	982	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»	18000.0		
961	983	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»	TRUE		
962	984	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			
		»	15555.0		
963	985	VG_ONLY_INT_DPKG.DESTGTALT			
		»	17500.0		
964	986	VG_ONLY_INT_DPKG.NXTDESTGT			
		»	14050.0		
965	987	VG_ONLY_INT_DPKG.VGREFALT			
		»	20000.0		
966	988	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	HOLDTOMANUAL		
967	989	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			
		»	TRUE		
968	990				
969	991				
970	992	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
971	993	-----	-----	-----	-----
		» -----	-----	----	
972	994	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			15555.0
		» 0.0	1.55550E+04	P	
973	995	VG_OUTPUTS_INT_DPKG.NXTALTTGT			18000.0
		» 0.0	1.80000E+04	P	
974	996	VG_OUTPUTS_INT_DPKG.NXTALTTGTV			TRUE
		» (N/A)	TRUE	P	
975	997				
976	998				
977	999	====> All 3 Comparisons Passed <====			
978	1000				
979	1001				
980	1002	TESTID: 21			
981	1003				
982	1004	Test Name: VGSELALT_021			
983	1005	Next altitude Target			
984	1006	SRD Reference: 10.4.2.2			
985	1007				
986	1008				
987	1009	INPUT			
		»	VALUE		
988	1010	-----	-----	-----	-----
		» -----	-----	-----	
989	1011	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	FALSE		
990	1012	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»	MASTER		
991	1013	VG_HS_DPKG.DATA.FLTPHASE			
		»	DESCENT		
992	1014	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»	19000.0		
993	1015	VG_INPUTS_INT_DPKG.FCCSELALT			
		»	14000.0		
994	1016	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»	19000.0		
995	1017	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»	FALSE		

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

996	1018	VG_ONLY_INT_DPKG.DESTGTALT			
		»		17000.0	
997	1019	VG_ONLY_INT_DPKG.NXTDESTGT			
		»		15500.0	
998	1020	VG_ONLY_INT_DPKG.VGREFALT			
		»		16000.0	
999	1021	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	AIRMASSDSCNT		
1000	1022	VG_OUTPUTS_INT_DPKG.VGALTTGT			
		»		15555.0	
1001	1023	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			
		»		TRUE	
1002	1024				
1003	1025				
1004	1026	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
1005	1027	-----			-----
		» -----			
1006	1028	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			15555.0
		» 0.0	1.55550E+04	P	
1007	1029	VG_OUTPUTS_INT_DPKG.NXTALTTGT			15500.0
		» 0.0	1.55000E+04	P	
1008	1030	VG_OUTPUTS_INT_DPKG.NXTALTTGTV			TRUE
		» (N/A)	TRUE	P	
1009	1031				
1010	1032				
1011	1033	====> All 3 Comparisons Passed <====			
1012	1034				
1013	1035				
1014	1036	TESTID: 22			
1015	1037				
1016	1038	Test Name: VGSELALT_022			
1017	1039	SRD Reference: 10.2.13.3, 10.4.2, 10.4.2.1			
1018	1040				
1019	1041				
1020	1042	INPUT			
		»	VALUE		
1021	1043	-----			-----
		» -----			
1022	1044	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	FALSE		
1023	1045	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»		18000.0	
1024	1046	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»		18000.0	
1025	1047	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»	FALSE		
1026	1048	VG_ONLY_INT_DPKG.DESTGTALT			
		»		17000.0	
1027	1049	VG_ONLY_INT_DPKG.NXTDESTGT			
		»		15550.0	
1028	1050	VG_ONLY_INT_DPKG.VGREFALT			
		»		16000.0	
1029	1051	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	EODRIFTDOWN		
1030	1052	VG_OUTPUTS_INT_DPKG.VGALTTGT			
		»		14444.0	
1031	1053	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			
		»		TRUE	
1032	1054				

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

1033	1055				
1034	1056	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
1035	1057	-----			-----
		» -----			----
1036	1058	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			14444.0
		» 0.0	1.44440E+04	P	
1037	1059	VG_OUTPUTS_INT_DPKG.NXTALTTGT			15550.0
		» 0.0	1.55500E+04	P	
1038	1060	VG_OUTPUTS_INT_DPKG.NXTALTTGTV			TRUE
		» (N/A)	TRUE	P	
1039	1061				
1040	1062				
1041	1063	====> All 3 Comparisons Passed <====			
1042	1064				
1043	1065				
1044	1066	TESTID: 23			
1045	1067	Test Name: VGSELALT_023			
1046	1068	Next altitude Target			
1047	1069	SRD Reference: 10.4.2.2			
1048	1070				
1049	1071				
1050	1072	INPUT			
		»	VALUE		
1051	1073	-----			-----
		» -----			-----
1052	1074	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		» FALSE			
1053	1075	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		» MASTER			
1054	1076	VG_HS_DPKG.DATA.FLTPHASE			
		» CRUISE			
1055	1077	VG_INPUTS_INT_DPKG.ACALT.ALT			
		» 21000.0			
1056	1078	VG_INPUTS_INT_DPKG.CRZALT			
		» 13000.0			
1057	1079	VG_INPUTS_INT_DPKG.FCCSELALT			
		» 14000.0			
1058	1080	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		» 21000.0			
1059	1081	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		» FALSE			
1060	1082	VG_ONLY_INT_DPKG.NXTDESTGT			
		» -1000.0			
1061	1083	VG_ONLY_INT_DPKG.STEPCLBAHD			
		» FALSE			
1062	1084	VG_ONLY_INT_DPKG.VGREFALT			
		» 25000.0			
1063	1085	VG_OUTPUTS_INT_DPKG.OPPROC			
		» CRZLEVEL			
1064	1086	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			
		» TRUE			
1065	1087				
1066	1088				
1067	1089	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
1068	1090	-----			-----
		» -----			----
1069	1091	VG_OUTPUTS_INT_DPKG.NXTALTTGT			13000.0
		» 0.0	1.30000E+04	P	

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

1070	1092	VG_OUTPUTS_INT_DPKG.NXTALTTGTV	TRUE	P	TRUE
		» (N/A)			
1071	1093				
1072	1094				
1073	1095	====> All 2 Comparisons Passed <====			
1074	1096				
1075	1097				
1076		TESTID: 23			
	1098	TESTID: 24			
1077	1099				
1078	1100	Test Name: VGSELALT_023			
1079	1101	Next altitude Target			
1080	1102	SRD Reference: 10.4.2.2			
1081	1103				
1082	1104				
1083	1105	INPUT			
		» VALUE			
1084	1106	-----			
		» -----			
1085	1107	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		» FALSE			
1086	1108	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		» MASTER			
1087	1109	VG_HS_DPKG.DATA.FLTPHASE			
		» CRUISE			
1088	1110	VG_INPUTS_INT_DPKG.ACALT.ALT			
		» 17000.0			
1089	1111	VG_INPUTS_INT_DPKG.CRZALT			
		» 13000.0			
1090	1112	VG_INPUTS_INT_DPKG.FCCSELALT			
		» 12000.0			
1091	1113	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		» 17000.0			
1092	1114	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		» TRUE			
1093	1115	VG_ONLY_INT_DPKG.DESTGTALT			
		» 16000.0			
1094	1116	VG_ONLY_INT_DPKG.NXTDESTGT			
		» -1001.0			
1095	1117	VG_ONLY_INT_DPKG.STEPCLBHD			
		» FALSE			
1096	1118	VG_ONLY_INT_DPKG.VGREFALT			
		» 25000.0			
1097	1119	VG_OUTPUTS_INT_DPKG.OPPROC			
		» CRZLEVEL			
1098	1120	VG_OUTPUTS_INT_DPKG.VGALTTGTVL			
		» TRUE			
1099	1121				
1100	1122				
1101	1123	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
1102	1124	-----			-----
		» -----			----
1103	1125	VG_OUTPUTS_INT_DPKG.NXTALTTGT			17000.0
		» 0.0	1.70000E+04	P	
1104	1126	VG_OUTPUTS_INT_DPKG.NXTALTTGTV			TRUE
		» (N/A)	TRUE	P	
1105	1127				
1106	1128				
1107	1129	====> All 2 Comparisons Passed <====			

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

1108	1130	
1109	1131	
1110		TESTID: 24
	1132	TESTID: 25
1111	1133	
1112	1134	Test Name: VGSELALT_024
1113	1135	Next altitude Target
1114	1136	SRD Reference: 10.4.2.2
1115	1137	
1116	1138	
1117	1139	INPUT
		» VALUE
1118	1140	-----
		» -----
1119	1141	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call
		» FALSE
1120	1142	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS
		» MASTER
1121	1143	VG_HS_DPKG.DATA.FLTPHASE
		» CLIMB
1122	1144	VG_INPUTS_INT_DPKG.ACALT.ALT
		» 20000.0
1123	1145	VG_INPUTS_INT_DPKG.CRZALT
		» 13000.0
1124	1146	VG_INPUTS_INT_DPKG.CRZALTVAL
		» FALSE
1125	1147	VG_INPUTS_INT_DPKG.FCCSELALT
		» 14000.0
1126	1148	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT
		» 20000.0
1127	1149	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL
		» FALSE
1128	1150	VG_ONLY_INT_DPKG.NXTCLBTGT
		» 42000.0
1129	1151	VG_ONLY_INT_DPKG.VGREFALT
		» 21000.0
1130	1152	VG_OUTPUTS_INT_DPKG.OPPROC
		» CLBINTLEVEL
1131	1153	VG_OUTPUTS_INT_DPKG.VGALTGTVAL
		» TRUE
1132	1154	VG_INPUTS_INT_DPKG.CRZALTVAL
		» TRUE
1133	1155	
1134	1156	
1135	1157	OUTPUT EXPECTED
		» TOLERANCE ACTUAL P/F
1136	1158	-----
		» -----
1137	1159	VG_OUTPUTS_INT_DPKG.NXTALTGT 42000.0
		» 0.0 4.20000E+04 P
1138	1160	VG_OUTPUTS_INT_DPKG.NXTALTGTVAL TRUE
		» (N/A) TRUE P
1139	1161	
1140	1162	
1141	1163	====> All 2 Comparisons Passed <====
1142	1164	
1143	1165	
1144		TESTID: 25
	1166	TESTID: 26
1145	1167	

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

1146	1168	Test Name: VGSELALT_025			
1147	1169	Next altitude Target			
1148	1170	SRD Reference: 10.4.2.2			
1149	1171				
1150	1172				
1151	1173	INPUT			
		»	VALUE		
1152	1174	» -----			
		» -----			
1153	1175	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		» FALSE			
1154	1176	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		» MASTER			
1155	1177	VG_HS_DPKG.DATA.FLTPHASE			
		» CRUISE			
1156	1178	VG_INPUTS_INT_DPKG.ACALT.ALT			
		» 21000.0			
1157	1179	VG_INPUTS_INT_DPKG.CRZALT			
		» 13000.0			
1158	1180	VG_INPUTS_INT_DPKG.CRZALTVAL			
		» TRUE			
1159	1181	VG_INPUTS_INT_DPKG.FCCSELALT			
		» 14000.0			
1160	1182	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		» 21000.0			
1161	1183	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		» FALSE			
1162	1184	VG_ONLY_INT_DPKG.DESTGTALT			
		» -1000.0			
1163	1185	VG_ONLY_INT_DPKG.NXTCLBTGT			
		» -1000.0			
1164	1186	VG_ONLY_INT_DPKG.NXTDESTGT			
		» -1000.0			
1165	1187	VG_ONLY_INT_DPKG.STEPCLBABD			
		» FALSE			
1166	1188	VG_ONLY_INT_DPKG.VGREFALT			
		» 25000.0			
1167	1189	VG_OUTPUTS_INT_DPKG.OPPROC			
		» HOLDTOMANUAL			
1168	1190	VG_OUTPUTS_INT_DPKG.VGALTGTVAL			
		» TRUE			
1169	1191	Vg_Inputs_Int_Dpkg.Minimum_Certified_Altitude			
		» -1000.0			
1170	1192				
1171	1193				
1172	1194	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
1173	1195	» -----			
		» -----			
1174	1196	VG_OUTPUTS_INT_DPKG.NXTALTGT			-1000.0
		» 0.0	-1.00000E+03	P	
1175	1197	VG_OUTPUTS_INT_DPKG.NXTALTGTVAL			FALSE
		» (N/A)	FALSE	P	
1176	1198				
1177	1199				
1178	1200	====> All 2 Comparisons Passed <====			
1179	1201				
1180	1202				
1181		TESTID: 26			
	1203	TESTID: 27			

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

1182	1204				
1183	1205	Test Name:	VGSELALT_026		
1184	1206	Next altitude Target			
1185	1207	SRD Reference:	10.4.2.2		
1186	1208				
1187	1209				
1188	1210	INPUT			
		»	VALUE		
1189	1211	»	-----		
		»	-----		
1190	1212	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	FALSE		
1191	1213	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»	MASTER		
1192	1214	VG_HS_DPKG.DATA.FLTPHASE			
		»	CRUISE		
1193	1215	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»	21000.0		
1194	1216	VG_INPUTS_INT_DPKG.CRZALT			
		»	14500.0		
1195	1217	VG_INPUTS_INT_DPKG.CRZALTVAL			
		»	TRUE		
1196	1218	VG_INPUTS_INT_DPKG.FCCSELALT			
		»	14000.0		
1197	1219	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»	21000.0		
1198	1220	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»	FALSE		
1199	1221	VG_ONLY_INT_DPKG.DESTGTALT			
		»	-1000.0		
1200	1222	VG_ONLY_INT_DPKG.NXTCLBTGT			
		»	-1000.0		
1201	1223	VG_ONLY_INT_DPKG.NXTDESTGT			
		»	-1000.0		
1202	1224	VG_ONLY_INT_DPKG.STEPCLBAHD			
		»	FALSE		
1203	1225	VG_ONLY_INT_DPKG.VGREFALT			
		»	25000.0		
1204	1226	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	CRZLEVEL		
1205	1227	VG_OUTPUTS_INT_DPKG.VGALTGTVAL			
		»	TRUE		
1206	1228				
1207	1229				
1208	1230	OUTPUT		EXPECTED	
		» TOLERANCE	ACTUAL	P/F	
1209	1231	»	-----		
		»	-----		
1210	1232	VG_OUTPUTS_INT_DPKG.NXTALTTGT			-1000.0
		» 0.0	-1.00000E+03	P	
1211	1233	VG_OUTPUTS_INT_DPKG.NXTALTTGTV			FALSE
		» (N/A)	FALSE	P	
1212	1234				
1213	1235				
1214	1236	====> All 2 Comparisons Passed <====			
1215	1237				
1216	1238				
1217		TESTID: 27			
	1239	TESTID: 28			
1218	1240				

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

1219	1241	Test Name: VGSELALT_027			
1220	1242	Next altitude Target			
1221	1243	SRD Reference: 10.4.2.2			
1222	1244				
1223	1245				
1224	1246	INPUT			
		»	VALUE		
1225	1247	-----			
		» -----			
1226	1248	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»	TRUE		
1227	1249	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»	MASTER		
1228	1250	VG_HS_DPKG.DATA.FLTPHASE			
		»	DESCENT		
1229	1251	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»	16000.0		
1230	1252	VG_INPUTS_INT_DPKG.FCCENGDMODE			
		»	ALT_HOLD_MAX_THRUST		
1231	1253	VG_INPUTS_INT_DPKG.FCCSELALT			
		»	14000.0		
1232	1254	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»	15566.0		
1233	1255	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»	TRUE		
1234	1256	VG_ONLY_INT_DPKG.DESTGTALT			
		»	16000.0		
1235	1257	VG_ONLY_INT_DPKG.NXTDESTGT			
		»	14050.0		
1236	1258	VG_ONLY_INT_DPKG.VGREFALT			
		»	15566.0		
1237	1259	VG_OUTPUTS_INT_DPKG.OPPROC			
		»	DESINTELEVEL		
1238	1260	VG_OUTPUTS_INT_DPKG.VGALTGT			
		»	14500.0		
1239	1261	VG_OUTPUTS_INT_DPKG.VGALTGTVL			
		»	TRUE		
1240	1262				
1241	1263				
1242	1264	OUTPUT			EXPECTED
		» TOLERANCE	ACTUAL	P/F	
1243	1265	-----			-----
		» -----			
1244	1266	VG_OUTPUTS_INT_DPKG.ALTTAPETGT			14500.0
		» 0.0	1.45000E+04	P	
1245	1267	VG_OUTPUTS_INT_DPKG.NXTALTGT			15566.0
		» 0.0	1.55660E+04	P	
1246	1268	VG_OUTPUTS_INT_DPKG.NXTALTGTV			TRUE
		» (N/A)	TRUE	P	
1247	1269	VG_OUTPUTS_INT_DPKG.VGALTGTVL			FALSE
		» (N/A)	FALSE	P	
1248	1270				
1249	1271				
1250	1272	====> All 4 Comparisons Passed <====			
1251	1273				
1252	1274				
1253		TESTID: 28			
	1275	TESTID: 29			
1254	1276				
1255	1277	Test Name: VGSELALT_028			

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

1256	1278	The Vertical Guidance Altitude Target (AA, CIL, CL, DP, DIL, ED, LD, DPO, HM, AD, EO » T/O, EO T/O Lvl Acc, EODD)		
1257	1279	is the Vertical Guidance Reference Altitude (FCC package not called)		
1258	1280	SRD REFERENCE 10.2.1.3, 10.2.2.3, 10.2.3.3, 10.2.4.3, 10.2.5.3, 10.2.6.3,		
1259	1281	SRD REFERENCE 10.2.7.3, 10.2.8.3, 10.2.9.3, 10.2.10.3, 10.2.11.3, 10.2.12.3		
1260	1282	(VGUIDE_SRD_8005, MD11_VG_TEST_1104) & (VGUIDE_SRD_5206, MD11_VG_TEST_1202) & (VGUIDE » _SRD_5304, MD11_VG_TEST_1303) &		
1261	1283	(VGUIDE_SRD_5618, MD11_VG_TEST_1403) & (VGUIDE_SRD_5655, MD11_VG_TEST_1503) & (VGUIDE » _SRD_8286, MD11_VG_TEST_3822) &		
1262	1284	(VGUIDE_SRD_8235, MD11_VG_TEST_3823) & (VGUIDE_SRD_8201, MD11_VG_TEST_3824) & (VGUIDE » _SRD_8152, MD11_VG_TEST_3825) &		
1263	1285	(VGUIDE_SRD_8118, MD11_VG_TEST_3826) & (VGUIDE_SRD_2840, MD11_VG_TEST_3827) & (VGUIDE » _SRD_5555, MD11_VG_TEST_3828) &		
1264	1286	(VGUIDE_SRD_2894, MD11_VG_TEST_3829)		
1265	1287			
1266	1288			
1267	1289	INPUT		
		» VALUE		
1268	1290	-----		
		» -----		
1269	1291	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call		
		» FALSE		
1270	1292	VG_ONLY_INT_DPKG.VGREFALT		
		» 15566.0		
1271	1293	VG_OUTPUTS_INT_DPKG.VGALTTGT		
		» 15000.0		
1272	1294			
1273	1295			
1274	1296	OUTPUT		
		» TOLERANCE ACTUAL P/F EXPECTED		
1275	1297	-----		
		» -----		
1276	1298	VG_ONLY_INT_DPKG.VGREFALT		
		» 0.0 1.55660E+04 P 15566.0		
1277	1299	VG_OUTPUTS_INT_DPKG.VGALTTGT		
		» 0.0 1.50000E+04 P 15000.0		
1278	1300			
1279	1301			
1280	1302	====> All 2 Comparisons Passed <====		
1281	1303			
1282	1304			
1283		TESTID: 29		
	1305	TESTID: 30		
1284	1306			
1285	1307	Test Name: VGSELALT_029		
1286	1308	The Vertical Guidance Altitude Target (AA, CIL, CL, EO T/O, EO T/O, Lvl Acc) is the V » ertical Guidance Reference Altitude		
1287	1309	SRD REFERENCE 10.2.1.3, 10.2.2.3, 10.2.3.3, 10.2.11.3, 10.2.12.3 (FCC package called)		
1288	1310	(VGUIDE_SRD_8005, MD11_VG_TEST_1104) & (VGUIDE_SRD_5206, MD11_VG_TEST_1202) & (VGUIDE » _SRD_5304, MD11_VG_TEST_1303) &		
1289	1311	(VGUIDE_SRD_5618, MD11_VG_TEST_1403) & (VGUIDE_SRD_5655, MD11_VG_TEST_1503) & (VGUIDE » _SRD_8286, MD11_VG_TEST_3822) &		
1290	1312	(VGUIDE_SRD_8235, MD11_VG_TEST_3823) & (VGUIDE_SRD_8201, MD11_VG_TEST_3824) & (VGUIDE » _SRD_8152, MD11_VG_TEST_3825) &		
1291	1313	(VGUIDE_SRD_8118, MD11_VG_TEST_3826) & (VGUIDE_SRD_2840, MD11_VG_TEST_3827) & (VGUIDE » _SRD_5555, MD11_VG_TEST_3828) &		
1292	1314	(VGUIDE_SRD_2894, MD11_VG_TEST_3829)		
1293	1315			
1294	1316			
1295	1317	INPUT		

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

		»	VALUE	
1296	1318	-----		
		»	-----	
1297	1319	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call		
		»	TRUE	
1298	1320	VG_ONLY_INT_DPKG.VGREFALT		
		»	15566.0	
1299	1321	VG_OUTPUTS_INT_DPKG.VGALTTGT		
		»	15000.0	
1300	1322			
1301	1323			
1302	1324	OUTPUT		EXPECTED
		» TOLERANCE	ACTUAL	P/F
1303	1325	-----		-----
		»	-----	----
1304	1326	VG_ONLY_INT_DPKG.VGREFALT		15566.0
		» 0.0	1.55660E+04	P
1305	1327	VG_OUTPUTS_INT_DPKG.VGALTTGT		15566.0
		» 0.0	1.55660E+04	P
1306	1328			
1307	1329			
1308	1330	====> All 2 Comparisons Passed <====		
1309	1331			
1310	1332			
1311		TESTID: 30		
	1333	TESTID: 31		
1312	1334			
1313	1335	Test Name: VGSELALT_030		
1314	1336	Next altitude Target		
1315	1337	SRD Reference: 10.4.2.2		
1316	1338			
1317	1339			
1318	1340	INPUT		
		»	VALUE	
1319	1341	-----		
		»	-----	
1320	1342	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call		
		»	TRUE	
1321	1343	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS		
		»	MASTER	
1322	1344	VG_HS_DPKG.DATA.FLTPHASE		
		»	CRUISE	
1323	1345	VG_INPUTS_INT_DPKG.ACALT.ALT		
		»	21000.0	
1324	1346	VG_INPUTS_INT_DPKG.CRZALT		
		»	26000.0	
1325	1347	VG_INPUTS_INT_DPKG.CRZALTVAL		
		»	TRUE	
1326	1348	VG_INPUTS_INT_DPKG.FCCSELALT		
		»	14000.0	
1327	1349	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT		
		»	21000.0	
1328	1350	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL		
		»	TRUE	
1329	1351	VG_ONLY_INT_DPKG.NXTDESTGT		
		»	-1000.0	
1330	1352	VG_ONLY_INT_DPKG.STEPCLBAHD		
		»	TRUE	
1331	1353	VG_ONLY_INT_DPKG.VGREFALT		
		»	25000.0	

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

1332	1354	VG_OUTPUTS_INT_DPKG.OPPROC			
		»		AIRMASSASCNT	
1333	1355	VG_OUTPUTS_INT_DPKG.VGALTGTGTVL			
		»		FALSE	
1334	1356				
1335	1357				
1336	1358	OUTPUT			EXPECTED
		»	TOLERANCE	ACTUAL	P/F
1337	1359	-----			-----
		»	-----	-----	----
1338	1360	VG_OUTPUTS_INT_DPKG.NXTALTGT			26000.0
		»	0.0	2.60000E+04	P
1339	1361	VG_OUTPUTS_INT_DPKG.NXTALTGT			TRUE
		»	(N/A)	TRUE	P
1340	1362	VG_OUTPUTS_INT_DPKG.VGALTGTGTVL			TRUE
		»	(N/A)	TRUE	P
1341	1363				
1342	1364				
1343	1365	====> All 3 Comparisons Passed <====			
1344	1366				
1345	1367				
1346		Test End Time: Oct 23 17:07:01 2012			
	1368	TESTID: 32			
	1369				
	1370	During Descent and Approach, maintaining Des/Appr Path, the Altitude Target shall be			
	1371	the maximum of the Vertical Guidance Reference Altitude (10.1.6) and the Descent			
	1372	Target Altitude (10.1.6.1.4), when the Vertical Guidance Operational Procedure (10.2)			
		» is Descent Path.			
	1373				
	1374	this case to verify when the Vertical Guidance Operational Procedure is Descent Path,			
	1375	the Vertical Guidance Reference Altitude greater than the Descent Target Altitude ,			
	1376	then the Altitude Target Is equal to the Vertical Guidance Reference Altitude			
	1377	SRD Reference: VGUIDE_SRD_7006			
	1378				
	1379				
	1380	INPUT			
		»		VALUE	
	1381	-----			
		»	-----		
	1382	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call			
		»		FALSE	
	1383	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS			
		»		MASTER	
	1384	VG_HS_DPKG.DATA.FLTPHASE			
		»		DESCENT	
	1385	VG_INPUTS_INT_DPKG.ACALT.ALT			
		»		20000.0	
	1386	VG_INPUTS_INT_DPKG.FCCSELALT			
		»		14000.0	
	1387	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT			
		»		21000.0	
	1388	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL			
		»		FALSE	
	1389	VG_ONLY_INT_DPKG.DESTGTALT			
		»		20000.0	
	1390	VG_ONLY_INT_DPKG.NXTDESTGT			
		»		25000.0	
	1391	VG_ONLY_INT_DPKG.VGREFALT			
		»		25000.0	
	1392	VG_OUTPUTS_INT_DPKG.OPPROC			

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

```

»                                DESCENTPATH
1393 VG_OUTPUTS_INT_DPKG.VGALTTGT
»                                20500.0
1394 VG_OUTPUTS_INT_DPKG.VGALTTGTVL
»                                TRUE
1395
1396
1397 OUTPUT                                EXPECTED
»  TOLERANCE                ACTUAL                P/F
1398 -----
» -----
1399 VG_OUTPUTS_INT_DPKG.ALTTAPETGT                                20500.0
»          0.0                2.05000E+04  P
1400
1401
1402 =====> All 1 Comparisons Passed <=====
1403
1404
1405 TESTID: 33
1406
1407 During Descent and Approach, maintaining Des/Appr Path, the Altitude Target shall be
1408 the maximum of the Vertical Guidance Reference Altitude (10.1.6) and the Descent
1409 Target Altitude (10.1.6.1.4), when the Vertical Guidance Operational Procedure (10.2)
1410 » is Descent Path.
1411
1412 this case to verify when the Vertical Guidance Operational Procedure is not Descent P
1413 » ath,
1414 SRD Reference:  VGUIDE_SRD_7006
1415
1416 INPUT
»                                VALUE
1417 -----
1418 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call
»                                TRUE
1419 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS
»                                MASTER
1420 VG_HS_DPKG.DATA.FLTPHASE
»                                CRUISE
1421 VG_INPUTS_INT_DPKG.ACALT.ALT
»                                21000.0
1422 VG_INPUTS_INT_DPKG.CRZALT
»                                26000.0
1423 VG_INPUTS_INT_DPKG.CRZALTVAL
»                                TRUE
1424 VG_INPUTS_INT_DPKG.FCCSELALT
»                                14000.0
1425 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT
»                                21000.0
1426 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL
»                                TRUE
1427 VG_ONLY_INT_DPKG.NXTDESTGT
»                                -1000.0
1428 VG_ONLY_INT_DPKG.STEPCLBAHD
»                                TRUE
1429 VG_ONLY_INT_DPKG.VGREFALT
»                                25000.0
1430 VG_OUTPUTS_INT_DPKG.OPPROC
»                                Crzlevel

```

File: CTP_MD11_VG_SEL_ALT_TGT.rst (continued)

1430	VG_OUTPUTS_INT_DPKG.VGALTTGTVL
1431	» FALSE
1432	Vg_Inputs_Int_Dpkg.Fccengdmode
1433	» Alt_Capt_Speed
1434	VG_OUTPUTS_INT_DPKG.VGALTTGT
1435	» 24900.0
1436	VG_ONLY_INT_DPKG.DESTGTALT
1437	» 25000.0
1438	OUTPUT
1439	» TOLERANCE
1440	» ACTUAL
1441	» P/F
1442	» EXPECTED
1443	-----
1444	» -----
1445	VG_OUTPUTS_INT_DPKG.ALTTAPETGT
1446	» 0.0
1447	» 2.49000E+04
1448	» P
1449	» 24900.0
1450	===== All 1 Comparisons Passed =====
1451	Test End Time: Apr 25 15:33:14 2013
1347	1445 Test Generation System (TGS) Version v4.5.2, ps4082887-103
1348	1446 Current Program Library
1349	c:\builds\md11\922_408\hads_root\A29_cert_system.alb (root)
1350	c:\builds\md11\922_408\common_software\pegasus_29050_v014\acm\$ada_lib.alb
1351	c:\builds\md11\922_408\BLD_922_408\libraries\com.alb
1352	C:\BUILDS\md11\922_408\BLD_922_408\Libraries\FM.alb
1353	D:\Exercise and task\VC\New Folder\CTP_MD11_VG_SEL_ALT_TGT\my_FM.alb
1447	c:\builds\md11\922_604\hads_root\A29_cert_system.alb (root)
1448	c:\builds\md11\922_604\common_software\pegasus_29050_v014\acm\$ada_lib.alb
1449	c:\builds\md11\922_604\BLD_922_604\libraries\com.alb
1450	C:\BUILDS\md11\922_604\BLD_922_604\Libraries\FM.alb
1451	D:\MD11\17011\CTP_MD11_VG_SEL_ALT_TGT\my_FM.alb

File: CTP_MD11_VG_SEL_ALT_TGT.TDF

1	1	FILE:	CTP_MD11_VG_SEL_ALT_TGT.TDF
2	2		
3	3	TITLE:	Vertical Guidance Select Altitude Target
4	4		
5	5	SOURCE CONFIGURATION:	ISS
6	6		
7	7	AUTHOR:	Keith Scherrer
8	8		
9	9	TRANSLATED BY:	Gerald J. Molczyk / David M. Hall DATE: 06-Jun-97
10	10		
11	11	MODIFIED BY:	Dennis Kenney / David M. Hall / Christian Sarraf
12	12		
13	13	PACKAGE:	VG_ALTITUDE_TARGET_PKG
14	14		
15	15	PROCEDURE:	SELECT_ALT_TARGET
16	16		
17	17	PURPOSE:	This test is to verify that the Next Altitude Target
18	18		and Altitude Tape Target are correctly selected for
19	19		each operational scenario.
20			
	20		
	21		-----
		»	
	22	MODIFIED BY	: DUN, QING
	23	DATE	: 25 APR 2013
	24	CHECKED UNDER SCR	: 17011.01
	25	BUILD USED	: MD11_922_604
	26	SRD NAME & VERSION	: VG_MDXX_ALT_TGT_PFD.SRD, 6
	27	MODIFICATIONS	: 1. Renumber the TESTID as the same TESTID
	28		2. Added TCs 32-33 to test the anchor VGUIDE_SRD_7006 as p
		» er SCR 17011.00	
	29		3. Modify TC 15 to test the anchor VGUIDE_SRD_7006 as per
		» SCR 17011.00	
	30		
	31		-----
		»	
	32		
21	33	-- NOTES:	
22	34	-- (1) Original Script:	
23	35	-- Element Name:	VGSELALTTGT.PAS
24	36	-- Last Modified:	16-AUG-1994 10:46:38.64
25	37	-- Author Name:	Keith Scherrer
26	38	--	
27	39	-- (2) Revision History:	
28	40	-- Element Name:	CTP_VG_SELECT_ALT_TARGET.TDF
29	41	-- Translated:	06-JUN-1997
30	42	-- Translators:	Gerald J. Molczyk / David M. Hall
31	43	-- NOTES:	Ported from scaled Pascal to Ada. Revised for the
32	44	--	MD11 program.
33	45	--	
34	46	-- (3) Revision History:	
35	47	-- Element Name:	CTP_717_VG_SELECT_ALT_TGT.TDF
36	48	-- Last Modified:	24-SEP-1998
37	49	-- Modified by::	Dennis Kenney / David M. Hall / Christian Sarraf
38	50	-- NOTES:	Revised for the MDXX program.
39	51	--	
40	52	-- (4) Revision History:	
41	53	-- Element Name:	CTP_MD10_VG_SEL_ALT_TGT.TDF
42	54	-- Last Modified:	24-JUL-1999
43	55	-- Modified by:	Christian Sarraf

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```
44 56 -- NOTES: Revised for the MD10 program.
45 57 --
46 58 -- (5) Revision History:
47 59 -- Element Name: CTP_717C2_VG_SEL_ALT_TGT.TDF
48 60 -- Last Modified: 20-Feb-2000
49 61 -- Modified by: Christian Sarraf
50 62 -- NOTES: Revised for the 717C2 program.
51 63 --
52 64 -- (6) Revision History:
53 65 -- Element Name: CTP_MD11_VG_SEL_ALT_TGT.TDF
54 66 -- Last Modified: 29-Jun-2000
55 67 -- Modified by: Christian Sarraf
56 68 -- NOTES: Revised for the MD11 program.
57 69 --
58 70 --
59 71 TRACEABILITY TO REQUIREMENTS/CODE:
60 72 --
61 73 -- ANCHOR : MD11_VG_TEST_2059
62 74 -- SOURCE : VGUIDE_SRD_7000
63 75 --
64 76 -- ANCHOR : MD11_VG_TEST_2057
65 77 -- SOURCE : VGUIDE_SRD_7002
66 78 --
67 79 -- ANCHOR : MD11_VG_TEST_2018
68 80 -- SOURCE : VGUIDE_SRD_7003
69 81 --
70 82 -- ANCHOR : MD11_VG_TEST_3830
71 83 -- SOURCE : VGUIDE_SRD_7004
72 84 --
73 85 -- ANCHOR : MD11_VG_TEST_3831
74 86 -- SOURCE : VGUIDE_SRD_7006
75 87 --
76 88 -- ANCHOR : MD11_VG_TEST_2019
77 89 -- SOURCE : VGUIDE_SRD_7007
78 90 --
79 91 -- ANCHOR : MD11_VG_TEST_3832
80 92 -- SOURCE : VGUIDE_SRD_7008
81 93 --
82 94 -- ANCHOR : MD11_VG_TEST_3833
83 95 -- SOURCE : VGUIDE_SRD_7009
84 96 --
85 97 -- ANCHOR : MD11_VG_TEST_2020
86 98 -- SOURCE : VGUIDE_SRD_7010
87 99 --
88 100 -- ANCHOR : MD11_VG_TEST_3834
89 101 -- SOURCE : VGUIDE_SRD_7011
90 102 --
91 103 -- ANCHOR : MD11_VG_TEST_3835
92 104 -- SOURCE : VGUIDE_SRD_7012
93 105 --
94 106 -- ANCHOR : MD11_VG_TEST_3836
95 107 -- SOURCE : VGUIDE_SRD_7013
96 108 --
97 109 -- ANCHOR : MD11_VG_TEST_3837
98 110 -- SOURCE : VGUIDE_SRD_7015
99 111 --
100 112 -- ANCHOR : MD11_VG_TEST_3838
101 113 -- SOURCE : VGUIDE_SRD_7017
102 114 --
103 115 -- ANCHOR : MD11_VG_TEST_1178
```


File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

104	116	-- SOURCE : VGUIDE_SRD_2902
105	117	
106	118	-- ANCHOR : MD11_VG_TEST_1104
107	119	-- SOURCE : VGUIDE_SRD_8005
108	120	
109	121	-- ANCHOR : MD11_VG_TEST_1278
110	122	-- SOURCE : VGUIDE_SRD_5205
111	123	
112	124	-- ANCHOR : MD11_VG_TEST_1202
113	125	-- SOURCE : VGUIDE_SRD_5206
114	126	
115	127	-- ANCHOR : MD11_VG_TEST_1357
116	128	-- SOURCE : VGUIDE_SRD_3041
117	129	
118	130	-- ANCHOR : MD11_VG_TEST_1303
119	131	-- SOURCE : VGUIDE_SRD_5304
120	132	
121	133	-- ANCHOR : MD11_VG_TEST_1417
122	134	-- SOURCE : VGUIDE_SRD_3026
123	135	
124	136	-- ANCHOR : MD11_VG_TEST_1403
125	137	-- SOURCE : VGUIDE_SRD_5618
126	138	
127	139	-- ANCHOR : MD11_VG_TEST_1513
128	140	-- SOURCE : VGUIDE_SRD_2837
129	141	
130	142	-- ANCHOR : MD11_VG_TEST_1503
131	143	-- SOURCE : VGUIDE_SRD_5655
132	144	
133	145	-- ANCHOR : MD11_VG_TEST_3282
134	146	-- SOURCE : VGUIDE_SRD_3072
135	147	
136	148	-- ANCHOR : MD11_VG_TEST_3283
137	149	-- SOURCE : VGUIDE_SRD_3103
138	150	
139	151	-- ANCHOR : MD11_VG_TEST_3284
140	152	-- SOURCE : VGUIDE_SRD_3221
141	153	
142	154	-- ANCHOR : MD11_VG_TEST_3285
143	155	-- SOURCE : VGUIDE_SRD_3150
144	156	
145	157	-- ANCHOR : MD11_VG_TEST_3286
146	158	-- SOURCE : VGUIDE_SRD_3190
147	159	
148	160	-- ANCHOR : MD11_VG_TEST_3287
149	161	-- SOURCE : VGUIDE_SRD_2810
150	162	
151	163	-- ANCHOR : MD11_VG_TEST_3288
152	164	-- SOURCE : VGUIDE_SRD_2848
153	165	
154	166	-- ANCHOR : MD11_VG_TEST_3289
155	167	-- SOURCE : VGUIDE_SRD_2891
156	168	
157	169	-- ANCHOR : MD11_VG_TEST_3899
158	170	-- SOURCE : VGUIDE_SRD_8286
159	171	
160	172	-- ANCHOR : MD11_VG_TEST_3823
161	173	-- SOURCE : VGUIDE_SRD_8235
162	174	
163	175	-- ANCHOR : MD11_VG_TEST_3824

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

164 176 -- SOURCE : VGUIDE_SRD_8201
165 177
166 178 -- ANCHOR : MD11_VG_TEST_3825
167 179 -- SOURCE : VGUIDE_SRD_8152
168 180
169 181 -- ANCHOR : MD11_VG_TEST_3826
170 182 -- SOURCE : VGUIDE_SRD_8118
171 183
172 184 -- ANCHOR : MD11_VG_TEST_3827
173 185 -- SOURCE : VGUIDE_SRD_2840
174 186
175 187 -- ANCHOR : MD11_VG_TEST_3828
176 188 -- SOURCE : VGUIDE_SRD_5555
177 189
178 190 -- ANCHOR : MD11_VG_TEST_3829
179 191 -- SOURCE : VGUIDE_SRD_2894
180 192
181 193
182 194
183 195 VERIFY COMPLIANCE WITH SRD SECTION:
184 196
185 197 MD11 Vertical Guidance Altitude Target
186 198
187 199 Vertical Guidance Altitude Target (Airmass Ascent).....10.2.1.3
188 200 Vertical Guidance Altitude Target (Clb Intermediate Level)... 10.2.2.3
189 201 Vertical Guidance Altitude Target (Cruise Level).....10.2.3.3
190 202 Vertical Guidance Altitude Target (Descent Path).....10.2.4.3
191 203 Vertical Guidance Altitude Target (Desc Int Level).....10.2.5.3
192 204 Vertical Guidance Altitude Target (Early Descent).....10.2.6.3
193 205 Vertical Guidance Altitude Target (Late Descent).....10.2.7.3
194 206 Vertical Guidance Altitude Target (Desc Path Overspd).....10.2.8.3
195 207 Vertical Guidance Altitude Target (HM).....10.2.9.3
196 208 Vertical Guidance Altitude Target (Airmass Descent).....10.2.10.3
197 209 Vertical Guidance Altitude Target (EO Takeoff).....10.2.11.3
198 210 Vertical Guidance Altitude Target (EO Takeoff Level Acc).....10.2.12.3
199 211 Vertical Guidance Altitude Target (Engine-out Driftdown).....10.2.13.3
200 212
201 213 Altitude Target and Next Altitude Target for Display On The PFD Altitude Tape (10.4.
    » 2)
202 214 (Altitude Target).....10.4.2.1
203 215 (Next Altitude Target).....10.4.2.2
204 216
205 217
206 218
207 219 OVERALL TESTING APPROACH:
208 220
209 221 Tool Used: Instruction Set Simulator
210 222
211 223 Description: This test procedure verifies the SRD requirements for
212 224 VG_ALTITUDE_TARGET_PKG.SELECT_ALT_TARGET. The Test Generated
213 225 System (TGS), running under the ISS platform, was chosen to
214 226 enable automated testing for both structural coverage and
215 227 testing of the requirements.
216 228
217 229 Setup: The driver CTP_MD11_VG_SEL_ALT_TGT.DRV is
218 230 compiled and linked against the current library containing the
219 231 library under test. Use departmental symbols and logicals to
220 232 run this test. The minimal files needed to run this test are:
221 233 CTP_MD11_VG_SEL_ALT_TGT.DRV,
222 234 CTP_MD11_VG_SEL_ALT_TGT.DPN,

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

223 235 CTP_MD11_VG_SEL_ALT_TGT.TDF.
224 236
225 237 Disposition: TBD
226 238
227 239 *****
228 240 INITIALIZATIONS:
229 241
230 242 FP_DEF_TOL = 0.0
231 243
232 244 define symbol AIRMASSASCNT := Opproctyp_Types.AIRMASSASCNT
233 245 define symbol CLBINTLEVEL := Opproctyp_Types.CLBINTLEVEL
234 246 define symbol EOTAKEOFF := Opproctyp_Types.EOTAKEOFF
235 247 define symbol EOLEVELACCEL := Opproctyp_Types.EOLEVELACCEL
236 248 define symbol CRZLEVEL := Opproctyp_Types.CRZLEVEL
237 249 define symbol DESCENTPATH := Opproctyp_Types.DESCENTPATH
238 250 define symbol DESINTLEVEL := Opproctyp_Types.DESINTLEVEL
239 251 define symbol LATEDESCENT := Opproctyp_Types.LATEDESCENT
240 252 define symbol DESPATHOVER := Opproctyp_Types.DESPATHOVER
241 253 define symbol EARLYDESCENT := Opproctyp_Types.EARLYDESCENT
242 254 define symbol HOLDTOMANUAL := Opproctyp_Types.HOLDTOMANUAL
243 255 define symbol AIRMASSDSCNT := Opproctyp_Types.AIRMASSDSCNT
244 256 define symbol EODRIFTDOWN := Opproctyp_Types.EODRIFTDOWN
245 257
246 258 define symbol PREFLIGHT := Fmcs_Base_Types.PREFLIGHT
247 259 define symbol TAKEOFF := Fmcs_Base_Types.TAKEOFF
248 260 define symbol CLIMB := Fmcs_Base_Types.CLIMB
249 261 define symbol CRUISE := Fmcs_Base_Types.CRUISE
250 262 define symbol DESCENT := Fmcs_Base_Types.DESCENT
251 263 define symbol APPROACH := Fmcs_Base_Types.Flight_Phase_Type'(Fmcs_Base_Types.APPROAC
    » H)
252 264 define symbol GOAROUND := Fmcs_Base_Types.GOAROUND
253 265 define symbol DONE := Fmcs_Base_Types.DONE
254 266
255 267 define symbol MASTER := Fmcs_Base_Types.MASTER
256 268
257 269 -- define symbol NONE := Fmcs_Mdxx_Base_Types.Mdxx_Engage_Mode_Type'
    » (Fmcs_Mdxx_Base_Types.NONE)
258 270 define symbol WINDSHEAR_MAX_THRUST := Fmcs_Mdxx_Base_Types.WINDSHEAR_MAX_THRUST
259 271 define symbol PITCH_SPEED := Fmcs_Mdxx_Base_Types.PITCH_SPEED
260 272 -- define symbol PITCH_IDLE := Fmcs_Mdxx_Base_Types.PITCH_IDLE
261 273 define symbol ALT_CAPT_SPEED := Fmcs_Mdxx_Base_Types.ALT_CAPT_SPEED
262 274 define symbol ALT_CAPT_IDLE_THRUST := Fmcs_Mdxx_Base_Types.ALT_CAPT_IDLE_THRUST
263 275 define symbol ALT_HOLD_SPEED := Fmcs_Mdxx_Base_Types.ALT_HOLD_SPEED
264 276 define symbol ALT_HOLD_IDLE_THRUST := Fmcs_Mdxx_Base_Types.ALT_HOLD_IDLE_THRUST
265 277 define symbol SPEED_IDLE_THRUST := Fmcs_Mdxx_Base_Types.SPEED_IDLE_THRUST
266 278 define symbol SPEED_MAX_THRUST := Fmcs_Mdxx_Base_Types.SPEED_MAX_THRUST
267 279 define symbol VS_SPEED := Fmcs_Mdxx_Base_Types.VS_SPEED
268 280 define symbol ALT_HOLD_MAX_THRUST := Fmcs_Mdxx_Base_Types.ALT_HOLD_MAX_THRUST
269 281 define symbol ALT_CAPT_MAX_THRUST := Fmcs_Mdxx_Base_Types.ALT_CAPT_MAX_THRUST
270 282 define symbol TOGA_SPEED_MAX_THRUST := Fmcs_Mdxx_Base_Types.TOGA_SPEED_MAX_THRUST
271 283
272 284 SUT_VARS
273 285
274 286 -- enumeration types
275 287 AIRMASSASCNT
276 288 CLBINTLEVEL
277 289 EOTAKEOFF
278 290 EOLEVELACCEL
279 291 CRZLEVEL
280 292 DESCENTPATH

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

281	293	DESINTLEVEL
282	294	LATEDESCENT
283	295	DESPATHOVER
284	296	EARLYDESCENT
285	297	HOLDTOMANUAL
286	298	AIRMASSDSCNT
287	299	EODRIFTDOWN
288	300	
289	301	PREFLIGHT
290	302	TAKEOFF
291	303	CLIMB
292	304	CRUISE
293	305	DESCENT
294	306	APPROACH
295	307	GOAROUND
296	308	DONE
297	309	
298	310	MASTER
299	311	
300	312	-- NONE
301	313	WINDSHEAR_MAX_THRUST
302	314	PITCH_SPEED
303	315	-- PITCH_IDLE
304	316	ALT_CAPT_SPEED
305	317	ALT_CAPT_IDLE_THRUST
306	318	ALT_HOLD_SPEED
307	319	ALT_HOLD_IDLE_THRUST
308	320	SPEED_IDLE_THRUST
309	321	SPEED_MAX_THRUST
310	322	VS_SPEED
311	323	ALT_HOLD_MAX_THRUST
312	324	ALT_CAPT_MAX_THRUST
313	325	TOGA_SPEED_MAX_THRUST
314	326	
315	327	-- variables
316	328	VG_ONLY_INT_DPKG.VGACTIVE
317	329	MDXX_LGBM.ACTPRIMARY
318	330	VG_HS_DPKG.DATA.FLTPHASE
319	331	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS
320	332	VG_INPUTS_INT_DPKG.ACALT.ALT
321	333	VG_INPUTS_INT_DPKG.CRZALT
322	334	VG_INPUTS_INT_DPKG.CRZALTVAL
323	335	VG_INPUTS_INT_DPKG.FCCENGDMODE
324	336	VG_INPUTS_INT_DPKG.FCCSELALT
325	337	VG_INPUTS_INT_DPKG.MDA().ALT
326	338	VG_INPUTS_INT_DPKG.MDA().VAL
327	339	MDXX_LGB_TPKG.ACTPRIMARY
328	340	VG_ONLY_INT_DPKG.DESTGTALT
329	341	VG_ONLY_INT_DPKG.NXTCLBTGT
330	342	VG_ONLY_INT_DPKG.NXTDESTGT
331	343	VG_ONLY_INT_DPKG.STEPCLBHHD
332	344	VG_ONLY_INT_DPKG.VGREFALT
333	345	VG_OUTPUTS_INT_DPKG.ALTTAPETGT
334	346	VG_OUTPUTS_INT_DPKG.NXTALTTGT
335	347	VG_OUTPUTS_INT_DPKG.NXTALTTGTV
336	348	VG_OUTPUTS_INT_DPKG.OPPROC
337	349	VG_OUTPUTS_INT_DPKG.VGALTTGT
338	350	VG_OUTPUTS_INT_DPKG.VGALTTGTVL
339	351	VG_AC_UNIQUE_PKG.ALTITUDE_BUG_ALLOWED
340	352	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

341 353 VG_INPUTS_INT_DPKG.AIRBORNE
342 354 VG_INPUTS_INT_DPKG.MAXIMUM_CERTIFIED_ALTITUDE
343 355 VG_INPUTS_INT_DPKG.MINIMUM_CERTIFIED_ALTITUDE
344 356
345 357 END_SUT_VARS
346 358
347 359 *****
348 360
349 361
350 362 -- TESTID: XX1
351 363
352 364 -- Test Name:   VGSELALT_XX1
353 365 -- Altitude Target and Next Altitude Target for Display on the PFD Altitude Tape comp
    » uted at 10Hz
354 366 -- SRD REFERENCE 10.4.2 a. (VGUIDE_SRD_7002, MD11_VG_TEST_2057)
355 367 --
356 368 -- The Altitude Target and Next Altitude Target for Display On The PFD Altitude Tape
357 369 -- is computed through the EXECUTE procedure contained in VG_EXEC (which calls the
358 370 -- VG_FCC_ALTITUDE_TARGET_PKG and VG_EIS_ALTITUDE_TARGET_PKG modules) which is in tur
    » n called by the GUIDANCE_EXECUTIVE
359 371 -- (ACM Gen:15) using procedure EXECUTE_FAST_PROCESSES at a rate of 10Hz.
360 372 --
361 373 --
362 374 -- NOTES:
363 375 --
364 376 -- FM_MAIN is the "entry point" for the FM partition,
365 377 -- it creates and starts the processes in the FM partition
366 378 -- and calls OPS_FMF_FOREGROUND.
367 379 --
368 380 -- OPS_FMF_FOREGROUND is the module that starts the FMF
369 381 -- foreground processes. It is a high level executive for
370 382 -- all periodic processing in the FM partition and calls
371 383 -- GUIDANCE_EXECUTIVE.
372 384 --
373 385 -- GUIDANCE_EXECUTIVE provides all the elements necessary
374 386 -- to control both vertical and lateral guidance, including
375 387 -- start-up init logic, slow and fast guidance processing, etc.
376 388 -- It calls the VG_EXEC module which controls the vertical guidance
377 389 -- data and execution.
378 390 --
379 391 -- VG_EXEC module contains the EXECUTE procedure which controls the
380 392 -- execution flow for all vertical guidance modules.
381 393 --
382 394 --
383 395
384 396
385 397 -- TESTID: XX2
386 398
387 399 -- Test Name:   VGSELALT_XX2
388 400 -- SRD REFERENCE 10.2.1.3   Vertical Guidance Altitude Target (Airmass Ascent)
    »   (VGUIDE_SRD_2902, MD11_VG_TEST_1178)
389 401 -- SRD REFERENCE 10.2.2.3   Vertical Guidance Altitude Target (Clb Intermediate Level
    » ) (VGUIDE_SRD_5205, MD11_VG_TEST_1278)
390 402 -- SRD REFERENCE 10.2.3.3   Vertical Guidance Altitude Target (Cruise Level)
    »   (VGUIDE_SRD_3041, MD11_VG_TEST_1357)
391 403 -- SRD REFERENCE 10.2.4.3   Vertical Guidance Altitude Target (Descent Path)
    »   (VGUIDE_SRD_3072, MD11_VG_TEST_3282)
392 404 -- SRD REFERENCE 10.2.5.3   Vertical Guidance Altitude Target (Desc Int Level)
    »   (VGUIDE_SRD_3103, MD11_VG_TEST_3283)
393 405 -- SRD REFERENCE 10.2.6.3   Vertical Guidance Altitude Target (Early Descent)

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

394 406 » (VGUIDE_SRD_3221, MD11_VG_TEST_3284)
-- SRD REFERENCE 10.2.7.3 Vertical Guidance Altitude Target (Late Descent)
395 407 » (VGUIDE_SRD_3150, MD11_VG_TEST_3285)
-- SRD REFERENCE 10.2.8.3 Vertical Guidance Altitude Target (Desc Path Overspd)
396 408 » (VGUIDE_SRD_3190, MD11_VG_TEST_3286)
-- SRD REFERENCE 10.2.9.3 Vertical Guidance Altitude Target (HM)
397 409 » (VGUIDE_SRD_2810, MD11_VG_TEST_3287)
-- SRD REFERENCE 10.2.10.3 Vertical Guidance Altitude Target (Airmass Descent)
398 410 » (VGUIDE_SRD_2848, MD11_VG_TEST_3288)
-- SRD REFERENCE 10.2.11.3 Vertical Guidance Altitude Target (EO Takeoff)
399 411 » (VGUIDE_SRD_3026, MD11_VG_TEST_1417)
-- SRD REFERENCE 10.2.12.3 Vertical Guidance Altitude Target (EO Takeoff Level Acc)
400 412 » (VGUIDE_SRD_2837, MD11_VG_TEST_1513)
-- SRD REFERENCE 10.2.13.3 Vertical Guidance Altitude Target (EO Driftdown)
401 413 » (VGUIDE_SRD_2891, MD11_VG_TEST_3289)
402 414 --
403 415 -- The Vertical Guidance Altitude Target is computed through the EXECUTE procedure
-- contained in VG_EXEC (which calls the VG_FCC_ALTITUDE_TARGET_PKG and VG_EIS_ALTITU
404 416 » DE_TARGET_PKG) which
-- is in turn called by the GUIDANCE_EXECUTIVE using procedure EXECUTE_FAST_PROCESSES
405 417 » at
406 418 -- a rate of 10Hz.
407 419 --
408 420 -- NOTES:
409 421 --
410 422 -- FM_MAIN is the "entry point" for the FM partition,
411 423 -- it creates and starts the processes in the FM partition
412 424 -- and calls OPS_FMF_FOREGROUND.
413 425 --
414 426 -- OPS_FMF_FOREGROUND is the module that starts the FMF
415 427 -- foreground processes. It is a high level executive for
416 428 -- all periodic processing in the FM partition and calls
417 429 -- GUIDANCE_EXECUTIVE.
418 430 --
419 431 -- GUIDANCE_EXECUTIVE provides all the elements necessary
420 432 -- to control both vertical and lateral guidance, including
421 433 -- start-up init logic, slow and fast guidance processing, etc.
422 434 -- It calls the VG_EXEC module which controls the vertical guidance
423 435 -- data and execution.
424 436 --
425 437 -- VG_EXEC module contains the EXECUTE procedure which controls the
426 438 -- execution flow for all vertical guidance modules.
427 439 --
428 440 --
429 441 --
430 442 --
431 443 TESTID: 1
432 444
433 445 Test Name: VGSELALT_001
434 446 The altitude and next altitude Target shall be invalid when the guidance/control/annu
» nciation criteria
435 447 (as defined in 10.1.1) are not satisfied.
436 448 SRD Reference: 10.4.2 b. (VGUIDE_SRD_7000, MD11_VG_TEST_2059)
437 449 Notes: Vertical Guidance Active (Vgactive). True means all the conditions for allowi
» ng Vertical Guidance
438 450 to be active are true. These conditions are explicitly stated in SRD Section 10.1.1.
» 1b. and comprise
439 451 the guidance process, the control process, and the annunciation process.
440 452

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

441 453
442 454 -- INPUTS:
443 455 Vg_Inputs_Int_Dpkg.Minimum_Certified_Altitude      := -1000.0
444 456 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call        := FALSE
445 457 VG_INPUTS_INT_DPKG.AIRBORNE                          := TRUE
446 458 VG_ONLY_INT_DPKG.VGACTIVE                             := FALSE
447 459
448 460 !run_test ()
449 461
450 462 -- OUTPUTS:
451 463 VG_OUTPUTS_INT_DPKG.NXTALTTGTV                        = FALSE
452 464 VG_OUTPUTS_INT_DPKG.VGALTTGTVL                       = FALSE
453 465
454 466
455 467 TESTID: 2
456 468
457 469 Test Name:   VGSELALT_002
458 470 Altitude Target
459 471 SRD Reference: 10.4.2.1
460 472
461 473
462 474 -- INPUTS:
463 475 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call        := FALSE
464 476 VG_ONLY_INT_DPKG.VGACTIVE                             := TRUE
465 477 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS          := MASTER
466 478 VG_HS_DPKG.DATA.FLTPHASE                             := CRUISE
467 479 VG_INPUTS_INT_DPKG.CRZALT                             := 25000.0
468 480 VG_INPUTS_INT_DPKG.CRZALTVAL                         := TRUE
469 481 VG_ONLY_INT_DPKG.VGREFALT                            := 20000.0
470 482 VG_OUTPUTS_INT_DPKG.OPPROC                           := CLBINTLEVEL
471 483 VG_OUTPUTS_INT_DPKG.VGALTTGT                        := 22000.0
472 484 VG_OUTPUTS_INT_DPKG.VGALTTGTVL                     := TRUE
473 485 VG_ONLY_INT_DPKG.NXTCLBTGT                          := 18000.0
474 486 VG_INPUTS_INT_DPKG.ACALT.ALT                        := 21000.0
475 487 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
476 488 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := TRUE
477 489
478 490 !run_test ()
479 491
480 492 -- OUTPUTS:
481 493 VG_OUTPUTS_INT_DPKG.VGALTTGTVL                       = TRUE
482 494 VG_OUTPUTS_INT_DPKG.ALTAPETGT                       = 22000.0
483 495 VG_OUTPUTS_INT_DPKG.NXTALTTGT                       = 25000.0
484 496 VG_OUTPUTS_INT_DPKG.NXTALTTGTV                     = TRUE
485 497
486 498
487 499 TESTID: 3
488 500
489 501 Test Name:   VGSELALT_003
490 502 Altitude Target
491 503 SRD Reference: 10.4.2.1
492 504
493 505
494 506 -- INPUTS:
495 507 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call        := FALSE
496 508 VG_ONLY_INT_DPKG.VGACTIVE                             := TRUE
497 509 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS          := MASTER
498 510 VG_OUTPUTS_INT_DPKG.OPPROC                           := AIRMASSASCNT
499 511 VG_HS_DPKG.DATA.FLTPHASE                             := CRUISE
500 512 VG_INPUTS_INT_DPKG.ACALT.ALT                        := 21000.0

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

501 513 VG_INPUTS_INT_DPKG.CRZALT := 25000.0
502 514 VG_INPUTS_INT_DPKG.CRZALTVAL := TRUE
503 515 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
504 516 VG_OUTPUTS_INT_DPKG.VGALTTTGT := 22000.0
505 517 VG_OUTPUTS_INT_DPKG.VGALTTTGTVL := TRUE
506 518 VG_ONLY_INT_DPKG.NXTCLBTGT := 18000.0
507 519 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
508 520 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
509 521
510 522 !run_test ()
511 523
512 524 -- OUTPUTS:
513 525 VG_OUTPUTS_INT_DPKG.VGALTTTGTVL = TRUE
514 526 VG_OUTPUTS_INT_DPKG.ALTAPETGT = 22000.0
515 527 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 25000.0
516 528 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
517 529
518 530
519 531 TESTID: 4
520 532
521 533 Test Name: VGSELALT_004
522 534 Altitude Target
523 535 SRD Reference: 10.4.2.1
524 536
525 537
526 538 -- INPUTS:
527 539 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
528 540 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
529 541 VG_HS_DPKG.DATA.FLTPHASE := TAKEOFF
530 542 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
531 543 VG_INPUTS_INT_DPKG.CRZALT := 25000.0
532 544 VG_INPUTS_INT_DPKG.CRZALTVAL := TRUE
533 545 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
534 546 VG_OUTPUTS_INT_DPKG.OPPROC := CLBINTLEVEL
535 547 VG_OUTPUTS_INT_DPKG.VGALTTTGT := 20000.0
536 548 VG_OUTPUTS_INT_DPKG.VGALTTTGTVL := TRUE
537 549 VG_ONLY_INT_DPKG.NXTCLBTGT := 18000.0
538 550 VG_INPUTS_INT_DPKG.MAXIMUM_CERTIFIED_ALTITUDE := 19000.0
539 551 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
540 552 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
541 553
542 554 !run_test ()
543 555
544 556 -- OUTPUTS:
545 557 VG_INPUTS_INT_DPKG.MAXIMUM_CERTIFIED_ALTITUDE = 19000.0
546 558 VG_OUTPUTS_INT_DPKG.ALTAPETGT = 20000.0
547 559 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 18000.0
548 560 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
549 561
550 562
551 563 TESTID: 5
552 564
553 565 Test Name: VGSELALT_005
554 566 Altitude Target
555 567 SRD Reference: 10.4.2.1
556 568
557 569
558 570 -- INPUTS:
559 571 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
560 572 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER

```


File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

561 573 VG_HS_DPKG.DATA.FLTTPHASE := TAKEOFF
562 574 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
563 575 VG_INPUTS_INT_DPKG.CRZALT := 25000.0
564 576 VG_INPUTS_INT_DPKG.CRZALTVAL := TRUE
565 577 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
566 578 VG_OUTPUTS_INT_DPKG.OPPROC := CLBINTLEVEL
567 579 VG_OUTPUTS_INT_DPKG.VGALTTGT := 20000.0
568 580 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := TRUE
569 581 VG_ONLY_INT_DPKG.NXTCLBTGT := 18000.0
570 582 VG_INPUTS_INT_DPKG.MAXIMUM_CERTIFIED_ALTITUDE := 18000.0
571 583 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
572 584 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
573 585
574 586 !run_test ()
575 587
576 588 -- OUTPUTS:
577 589 VG_INPUTS_INT_DPKG.MAXIMUM_CERTIFIED_ALTITUDE = 18000.0
578 590 VG_INPUTS_INT_DPKG.CRZALT = 25000.0
579 591 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 20000.0
580 592 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 25000.0
581 593 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
582 594
583 595
584 596
585 597 TESTID: 6
586 598
587 599 Test Name: VGSELALT_006
588 600 Next Altitude Target
589 601 SRD Reference: 10.4.2.2
590 602
591 603
592 604 -- INPUTS:
593 605 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
594 606 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
595 607 VG_HS_DPKG.DATA.FLTTPHASE := CRUISE
596 608 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
597 609 VG_INPUTS_INT_DPKG.CRZALT := 25000.0
598 610 VG_INPUTS_INT_DPKG.CRZALTVAL := TRUE
599 611 VG_ONLY_INT_DPKG.NXTCLBTGT := 18000.0
600 612 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
601 613 VG_OUTPUTS_INT_DPKG.OPPROC := CLBINTLEVEL
602 614 VG_OUTPUTS_INT_DPKG.VGALTTGT := 22000.0
603 615 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := FALSE
604 616 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
605 617 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
606 618
607 619 !run_test ()
608 620
609 621 -- OUTPUTS:
610 622 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 25000.0
611 623 VG_INPUTS_INT_DPKG.CRZALT = 25000.0
612 624 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
613 625 VG_OUTPUTS_INT_DPKG.VGALTTGTVL = FALSE
614 626
615 627
616 628 TESTID: 7
617 629
618 630 Test Name: VGSELALT_007
619 631 Next Altitude Target
620 632 SRD Reference: 10.4.2.2

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

621 633
622 634
623 635 -- INPUTS:
624 636 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
625 637 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
626 638 VG_HS_DPKG.DATA.FLTPHASE := CLIMB
627 639 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
628 640 VG_INPUTS_INT_DPKG.CRZALT := 25000.0
629 641 VG_ONLY_INT_DPKG.NXTCLBTGT := 19000.0
630 642 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
631 643 VG_OUTPUTS_INT_DPKG.OPPROC := AIRMASSASCNT
632 644 VG_OUTPUTS_INT_DPKG.VGALTGTGTVL := FALSE
633 645 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 22000.0
634 646 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := TRUE
635 647
636 648 !run_test ()
637 649
638 650 -- OUTPUTS:
639 651 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 19000.0
640 652 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
641 653 VG_OUTPUTS_INT_DPKG.VGALTGTGTVL = FALSE
642 654
643 655
644 656 TESTID: 8
645 657
646 658 Test Name: VGSELALT_008
647 659 Next Altitude Target
648 660 SRD Reference: 10.4.2.2
649 661
650 662
651 663 -- INPUTS:
652 664 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
653 665 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
654 666 VG_HS_DPKG.DATA.FLTPHASE := TAKEOFF
655 667 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
656 668 VG_INPUTS_INT_DPKG.CRZALT := 25000.0
657 669 VG_INPUTS_INT_DPKG.CRZALTVAL := FALSE
658 670 VG_ONLY_INT_DPKG.NXTCLBTGT := 20000.0
659 671 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
660 672 VG_OUTPUTS_INT_DPKG.OPPROC := CLBINTLEVEL
661 673 VG_OUTPUTS_INT_DPKG.VGALTGTGTVL := TRUE
662 674 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
663 675 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
664 676
665 677 !run_test ()
666 678
667 679 -- OUTPUTS:
668 680 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 20000.0
669 681 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
670 682
671 683
672 684 TESTID: 9
673 685
674 686 Test Name: VGSELALT_009
675 687 Next Altitude Target
676 688 SRD Reference: 10.4.2.2
677 689
678 690
679 691 -- INPUTS:
680 692 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

681 693 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
682 694 VG_HS_DPKG.DATA.FLTPHASE := CRUISE
683 695 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
684 696 VG_INPUTS_INT_DPKG.CRZALT := 25000.0
685 697 VG_INPUTS_INT_DPKG.CRZALTVAL := TRUE
686 698 VG_ONLY_INT_DPKG.NXTCLBTGT := 18000.0
687 699 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
688 700 VG_OUTPUTS_INT_DPKG.OPPROC := CLBINTLEVEL
689 701 VG_OUTPUTS_INT_DPKG.VGALTTGT := 22000.0
690 702 VG_OUTPUTS_INT_DPKG.VGALTTGTVAL := TRUE
691 703 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
692 704 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
693 705
694 706 !run_test ()
695 707
696 708 -- OUTPUTS:
697 709 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 25000.0
698 710 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
699 711
700 712
701 713 TESTID: 10
702 714
703 715 Test Name: VGSELALT_010
704 716 Next altitude Target
705 717 SRD Reference: 10.4.2.2
706 718
707 719
708 720 -- INPUTS:
709 721 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
710 722 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
711 723 VG_HS_DPKG.DATA.FLTPHASE := CRUISE
712 724 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
713 725 VG_INPUTS_INT_DPKG.CRZALT := 23000.0
714 726 VG_INPUTS_INT_DPKG.CRZALTVAL := TRUE
715 727 VG_ONLY_INT_DPKG.NXTCLBTGT := 18000.0
716 728 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
717 729 VG_OUTPUTS_INT_DPKG.OPPROC := CLBINTLEVEL
718 730 VG_OUTPUTS_INT_DPKG.VGALTTGT := 22000.0
719 731 VG_OUTPUTS_INT_DPKG.VGALTTGTVAL := TRUE
720 732 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
721 733 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
722 734
723 735 !run_test ()
724 736
725 737 -- OUTPUTS:
726 738 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 23000.0
727 739 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
728 740
729 741
730 742 TESTID: 11
731 743
732 744 Test Name: VGSELALT_011
733 745 Next altitude Target
734 746 SRD Reference: 10.4.2.2
735 747
736 748
737 749 -- INPUTS:
738 750 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
739 751 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
740 752 VG_HS_DPKG.DATA.FLTPHASE := CRUISE

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

741 753 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
742 754 VG_INPUTS_INT_DPKG.CRZALT := 27000.0
743 755 VG_ONLY_INT_DPKG.NXTCLBTGT := 15000.0
744 756 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
745 757 VG_OUTPUTS_INT_DPKG.OPPROC := AIRMASSASCNT
746 758 VG_OUTPUTS_INT_DPKG.VGALTTGT := 25500.0
747 759 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := TRUE
748 760 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
749 761 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
750 762
751 763 !run_test ()
752 764
753 765 -- OUTPUTS:
754 766 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 27000.0
755 767 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
756 768
757 769
758 770 TESTID: 12
759 771
760 772 Test Name: VGSELALT_012
761 773 Next altitude Target
762 774 SRD Reference: 10.4.2.2
763 775
764 776
765 777 -- INPUTS:
766 778 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
767 779 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
768 780 VG_HS_DPKG.DATA.FLTPHASE := CRUISE
769 781 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
770 782 VG_INPUTS_INT_DPKG.CRZALT := 26000.0
771 783 VG_INPUTS_INT_DPKG.FCCSELALT := 26000.0
772 784 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
773 785 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
774 786 VG_ONLY_INT_DPKG.NXTDESTGT := 15000.0
775 787 VG_ONLY_INT_DPKG.VGREFALT := 26000.0
776 788 VG_OUTPUTS_INT_DPKG.OPPROC := CRZLEVEL
777 789 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := TRUE
778 790
779 791 !run_test ()
780 792
781 793 -- OUTPUTS:
782 794 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 26000.0
783 795 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
784 796
785 797
786 798 TESTID: 13
787 799
788 800 Test Name: VGSELALT_013
789 801 Next altitude Target
790 802 SRD Reference: 10.4.2.2
791 803
792 804
793 805 -- INPUTS:
794 806 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
795 807 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
796 808 VG_HS_DPKG.DATA.FLTPHASE := CRUISE
797 809 VG_INPUTS_INT_DPKG.ACALT.ALT := 17000.0
798 810 VG_INPUTS_INT_DPKG.CRZALT := 26000.0
799 811 VG_INPUTS_INT_DPKG.CRZALTVAL := TRUE
800 812 VG_INPUTS_INT_DPKG.FCCSELALT := 14000.0

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

801	813	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT	:= 16000.0
802	814	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL	:= TRUE
803	815	VG_ONLY_INT_DPKG.NXTDESTGT	:= 15000.0
804	816	VG_ONLY_INT_DPKG.VGREFALT	:= 26000.0
805	817	VG_OUTPUTS_INT_DPKG.OPPROC	:= CRZLEVEL
806	818	VG_OUTPUTS_INT_DPKG.VGALTTGTVL	:= TRUE
807	819		
808	820	!run_test ()	
809	821		
810	822	-- OUTPUTS:	
811	823	VG_OUTPUTS_INT_DPKG.NXTALTTGT = 16000.0	
812	824	VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE	
813	825		
814	826		
815	827	TESTID: 14	
816	828		
817	829	Test Name: VGSELALT_014	
818	830	Next altitude Target	
819	831	SRD Reference: 10.4.2.2	
820	832		
821	833		
822	834	-- INPUTS:	
823	835	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call	:= TRUE
824	836	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS	:= MASTER
825	837	VG_HS_DPKG.DATA.FLTPHASE	:= CRUISE
826	838	VG_INPUTS_INT_DPKG.ACALT.ALT	:= 21000.0
827	839	VG_INPUTS_INT_DPKG.CRZALT	:= 26000.0
828	840	VG_INPUTS_INT_DPKG.CRZALTVAL	:= TRUE
829	841	VG_INPUTS_INT_DPKG.FCCSELALT	:= 14000.0
830	842	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT	:= 21000.0
831	843	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL	:= TRUE
832	844	VG_ONLY_INT_DPKG.NXTDESTGT	:= -1000.0
833	845	VG_ONLY_INT_DPKG.STEPCLBHD	:= TRUE
834	846	VG_ONLY_INT_DPKG.VGREFALT	:= 25000.0
835	847	VG_OUTPUTS_INT_DPKG.OPPROC	:= CRZLEVEL
836	848	VG_OUTPUTS_INT_DPKG.VGALTTGTVL	:= FALSE
837	849		
838	850	!run_test ()	
839	851		
840	852	-- OUTPUTS:	
841	853	VG_OUTPUTS_INT_DPKG.NXTALTTGT = 26000.0	
842	854	VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE	
843	855	VG_OUTPUTS_INT_DPKG.VGALTTGTVL = TRUE	
844	856		
845	857		
846	858	TESTID: 15	
847	859		
848	860	Test Name: VGSELALT_015	
849		Next altitude Target	
850		SRD Reference: 10.4.2.2	
	861	Next altitude Target (10.4.2.2)	
	862		
	863	During Descent and Approach, maintaining Des/Appr Path, the Altitude Target shall be	
	864	the maximum of the Vertical Guidance Reference Altitude (10.1.6) and the Descent	
	865	Target Altitude (10.1.6.1.4), when the Vertical Guidance Operational Procedure (10.2)	
		» is Descent Path.	
	866		
	867	this case to verify when the Vertical Guidance Operational Procedure is Descent Path,	
	868	the Vertical Guidance Reference Altitude less than the Descent Target Altitude ,	
	869	then the Altitude Target Is equal to the Descent Target Altitude	

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

870	SRD Reference: VGUIDE_SRD_7006
871	
872	SRD Reference: 10.4.2.2, VGUIDE_SRD_7006
851	873
852	874
853	875 -- INPUTS:
854	876 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
855	877 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
856	878 VG_HS_DPKG.DATA.FLTPHASE := DESCENT
857	879 VG_INPUTS_INT_DPKG.ACALT.ALT := 20000.0
858	880 VG_INPUTS_INT_DPKG.FCCSELALT := 14000.0
859	881 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
860	882 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
861	883 VG_ONLY_INT_DPKG.DESTGTALT := 20000.0
862	884 VG_ONLY_INT_DPKG.NXTDESTGT := 25000.0
863	885 VG_ONLY_INT_DPKG.VGREFALT := 25000.0
864	886 VG_OUTPUTS_INT_DPKG.OPPROC := DESCENTPATH
865	887 VG_OUTPUTS_INT_DPKG.VGALTTGT := 19500.0
866	888 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := TRUE
867	889
868	890 !run_test ()
869	891
870	892 -- OUTPUTS:
871	893 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 20000.0
872	894 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 25000.0
873	895 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
874	896
875	897
876	898 TESTID: 16
877	899
878	900 Test Name: VGSELALT_016
879	901 Next altitude Target
880	902 SRD Reference: 10.4.2.2
881	903
882	904
883	905 -- INPUTS:
884	906 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := TRUE
885	907 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
886	908 VG_HS_DPKG.DATA.FLTPHASE := DESCENT
887	909 VG_INPUTS_INT_DPKG.ACALT.ALT := 16000.0
888	910 VG_INPUTS_INT_DPKG.FCCENGDMODE := ALT_HOLD_SPEED
889	911 VG_INPUTS_INT_DPKG.FCCSELALT := 14000.0
890	912 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 15566.0
891	913 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := TRUE
892	914 VG_ONLY_INT_DPKG.DESTGTALT := 16000.0
893	915 VG_ONLY_INT_DPKG.NXTDESTGT := 14050.0
894	916 VG_ONLY_INT_DPKG.VGREFALT := 15566.0
895	917 VG_OUTPUTS_INT_DPKG.OPPROC := DESINTLEVEL
896	918 VG_OUTPUTS_INT_DPKG.VGALTTGT := 14500.0
897	919 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := TRUE
898	920
899	921 !run_test ()
900	922
901	923 -- OUTPUTS:
902	924 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 14500.0
903	925 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 15566.0
904	926 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
905	927 VG_OUTPUTS_INT_DPKG.VGALTTGTVL = FALSE
906	928
907	929

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

908 930 TESTID: 17
909 931
910 932 Test Name:   VGSELALT_017
911 933 Next altitude Target
912 934 SRD Reference: 10.4.2.2
913 935
914 936
915 937 -- INPUTS:
916 938 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call      := TRUE
917 939 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS        := MASTER
918 940 VG_HS_DPKG.DATA.FLTPHASE                          := DESCENT
919 941 VG_INPUTS_INT_DPKG.ACALT.ALT                     := 21000.0
920 942 VG_INPUTS_INT_DPKG.FCCSELALT                     := 14000.0
921 943 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
922 944 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
923 945 VG_ONLY_INT_DPKG.DESTGTALT                       := 22000.0
924 946 VG_ONLY_INT_DPKG.NXTDESTGT                      := 15500.0
925 947 VG_ONLY_INT_DPKG.VGREFALT                       := 21500.0
926 948 VG_OUTPUTS_INT_DPKG.OPPROC                       := DESPATHOVER
927 949 VG_OUTPUTS_INT_DPKG.VGALTTGT                    := 15555.0
928 950 VG_OUTPUTS_INT_DPKG.VGALTTGTVL                   := TRUE
929 951
930 952 !run_test ()
931 953
932 954 -- OUTPUTS:
933 955 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 15555.0
934 956 VG_OUTPUTS_INT_DPKG.NXTALTTGT  = 15500.0
935 957 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
936 958
937 959
938 960 TESTID: 18
939 961
940 962 Test Name:   VGSELALT_018
941 963 Next altitude Target
942 964 SRD Reference: 10.4.2.2
943 965
944 966
945 967 -- INPUTS:
946 968 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call      := FALSE
947 969 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS        := MASTER
948 970 VG_HS_DPKG.DATA.FLTPHASE                          := DESCENT
949 971 VG_INPUTS_INT_DPKG.ACALT.ALT                     := 21000.0
950 972 VG_INPUTS_INT_DPKG.FCCSELALT                     := 14000.0
951 973 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
952 974 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
953 975 VG_ONLY_INT_DPKG.DESTGTALT                       := 14500.0
954 976 VG_ONLY_INT_DPKG.NXTDESTGT                      := 14050.0
955 977 VG_ONLY_INT_DPKG.VGREFALT                       := 22000.0
956 978 VG_OUTPUTS_INT_DPKG.OPPROC                       := LATEDESCENT
957 979 VG_OUTPUTS_INT_DPKG.VGALTTGT                    := 15555.0
958 980 VG_OUTPUTS_INT_DPKG.VGALTTGTVL                   := TRUE
959 981
960 982 !run_test ()
961 983
962 984 -- OUTPUTS:
963 985 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 15555.0
964 986 VG_OUTPUTS_INT_DPKG.NXTALTTGT  = 14500.0
965 987 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
966 988
967 989

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

968 990 TESTID: 19
969 991
970 992 Test Name: VGSELALT_019
971 993 Next altitude Target
972 994 SRD Reference: 10.4.2.2
973 995
974 996
975 997 -- INPUTS:
976 998 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
977 999 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
978 1000 VG_HS_DPKG.DATA.FLTPHASE := DESCENT
979 1001 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
980 1002 VG_INPUTS_INT_DPKG.FCCSELALT := 14000.0
981 1003 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
982 1004 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
983 1005 VG_ONLY_INT_DPKG.DESTGTALT := 15000.0
984 1006 VG_ONLY_INT_DPKG.NXTDESTGT := 14050.0
985 1007 VG_ONLY_INT_DPKG.VGREFALT := 21000.0
986 1008 VG_OUTPUTS_INT_DPKG.OPPROC := EARLYDESCENT
987 1009 VG_OUTPUTS_INT_DPKG.VGALTTGT := 15555.0
988 1010 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := TRUE
989 1011
990 1012 !run_test ()
991 1013
992 1014 -- OUTPUTS:
993 1015 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 15555.0
994 1016 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 15000.0
995 1017 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
996 1018
997 1019
998 1020 TESTID: 20
999 1021
1000 1022 Test Name: VGSELALT_020
1001 1023 Next altitude Target
1002 1024 »
1003 1025 SRD Reference: 10.4.2.2
1004 1026
1005 1027 -- INPUTS:
1006 1028 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
1007 1029 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
1008 1030 VG_HS_DPKG.DATA.FLTPHASE := DESCENT
1009 1031 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
1010 1032 VG_INPUTS_INT_DPKG.FCCSELALT := 14000.0
1011 1033 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 18000.0
1012 1034 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := TRUE
1013 1035 VG_OUTPUTS_INT_DPKG.ALTTAPETGT := 15555.0
1014 1036 VG_ONLY_INT_DPKG.DESTGTALT := 17500.0
1015 1037 VG_ONLY_INT_DPKG.NXTDESTGT := 14050.0
1016 1038 VG_ONLY_INT_DPKG.VGREFALT := 20000.0
1017 1039 VG_OUTPUTS_INT_DPKG.OPPROC := HOLDTOMANUAL
1018 1040 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := TRUE
1019 1041
1020 1042 !run_test ()
1021 1043
1022 1044 -- OUTPUTS:
1023 1045 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 15555.0
1024 1046 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 18000.0
1025 1047 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
1026 1048

```


File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

1027 1049
1028 1050 TESTID: 21
1029 1051
1030 1052 Test Name:   VGSELALT_021
1031 1053 Next altitude Target
1032 1054 SRD Reference:  10.4.2.2
1033 1055
1034 1056
1035 1057 -- INPUTS:
1036 1058 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call      := FALSE
1037 1059 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS        := MASTER
1038 1060 VG_HS_DPKG.DATA.FLTPHASE                          := DESCENT
1039 1061 VG_INPUTS_INT_DPKG.ACALT.ALT                     := 19000.0
1040 1062 VG_INPUTS_INT_DPKG.FCCSELALT                     := 14000.0
1041 1063 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 19000.0
1042 1064 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
1043 1065 VG_ONLY_INT_DPKG.DESTGTALT                       := 17000.0
1044 1066 VG_ONLY_INT_DPKG.NXTDESTGT                      := 15500.0
1045 1067 VG_ONLY_INT_DPKG.VGREFALT                       := 16000.0
1046 1068 VG_OUTPUTS_INT_DPKG.OPPROC                       := AIRMASSDSCNT
1047 1069 VG_OUTPUTS_INT_DPKG.VGALTTGT                    := 15555.0
1048 1070 VG_OUTPUTS_INT_DPKG.VGALTTGTVL                  := TRUE
1049 1071
1050 1072 !run_test ()
1051 1073
1052 1074 -- OUTPUTS:
1053 1075 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 15555.0
1054 1076 VG_OUTPUTS_INT_DPKG.NXTALTTGT  = 15500.0
1055 1077 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
1056 1078
1057 1079
1058 1080 TESTID: 22
1059 1081
1060 1082 Test Name:   VGSELALT_022
1061 1083 SRD Reference:  10.2.13.3, 10.4.2, 10.4.2.1
1062 1084
1063 1085
1064 1086 -- INPUTS:
1065 1087 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call      := FALSE
1066 1088 VG_INPUTS_INT_DPKG.ACALT.ALT                     := 18000.0
1067 1089 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 18000.0
1068 1090 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
1069 1091 VG_ONLY_INT_DPKG.DESTGTALT                       := 17000.0
1070 1092 VG_ONLY_INT_DPKG.NXTDESTGT                      := 15550.0
1071 1093 VG_ONLY_INT_DPKG.VGREFALT                       := 16000.0
1072 1094 VG_OUTPUTS_INT_DPKG.OPPROC                       := EODRIFTDOWN
1073 1095 VG_OUTPUTS_INT_DPKG.VGALTTGT                    := 14444.0
1074 1096 VG_OUTPUTS_INT_DPKG.VGALTTGTVL                  := TRUE
1075 1097
1076 1098 !run_test ()
1077 1099
1078 1100 -- OUTPUTS:
1079 1101 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 14444.0
1080 1102 VG_OUTPUTS_INT_DPKG.NXTALTTGT  = 15550.0
1081 1103 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
1082 1104
1083 1105
1084 1106 TESTID: 23
1085 1107 Test Name:   VGSELALT_023
1086 1108 Next altitude Target

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

```

1087 1109 SRD Reference: 10.4.2.2
1088 1110
1089 1111
1090 1112 -- INPUTS:
1091 1113 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
1092 1114 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
1093 1115 VG_HS_DPKG.DATA.FLTPHASE := CRUISE
1094 1116 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
1095 1117 VG_INPUTS_INT_DPKG.CRZALT := 13000.0
1096 1118 VG_INPUTS_INT_DPKG.FCCSELALT := 14000.0
1097 1119 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
1098 1120 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
1099 1121 VG_ONLY_INT_DPKG.NXTDESTGT := -1000.0
1100 1122 VG_ONLY_INT_DPKG.STEPCLBABD := FALSE
1101 1123 VG_ONLY_INT_DPKG.VGREFALT := 25000.0
1102 1124 VG_OUTPUTS_INT_DPKG.OPPROC := CRZLEVEL
1103 1125 VG_OUTPUTS_INT_DPKG.VGALTGTVL := TRUE
1104 1126
1105 1127 !run_test ()
1106 1128
1107 1129 -- OUTPUTS:
1108 1130 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 13000.0
1109 1131 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
1110 1132
1111 1133

```

1112 ~~TESTID: 23~~1134 ~~TESTID: 24~~

```

1113 1135
1114 1136 Test Name: VGSELALT_023
1115 1137 Next altitude Target
1116 1138 SRD Reference: 10.4.2.2
1117 1139
1118 1140
1119 1141 -- INPUTS:
1120 1142 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
1121 1143 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
1122 1144 VG_HS_DPKG.DATA.FLTPHASE := CRUISE
1123 1145 VG_INPUTS_INT_DPKG.ACALT.ALT := 17000.0
1124 1146 VG_INPUTS_INT_DPKG.CRZALT := 13000.0
1125 1147 VG_INPUTS_INT_DPKG.FCCSELALT := 12000.0
1126 1148 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 17000.0
1127 1149 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := TRUE
1128 1150 VG_ONLY_INT_DPKG.DESTGTALT := 16000.0
1129 1151 VG_ONLY_INT_DPKG.NXTDESTGT := -1001.0
1130 1152 VG_ONLY_INT_DPKG.STEPCLBABD := FALSE
1131 1153 VG_ONLY_INT_DPKG.VGREFALT := 25000.0
1132 1154 VG_OUTPUTS_INT_DPKG.OPPROC := CRZLEVEL
1133 1155 VG_OUTPUTS_INT_DPKG.VGALTGTVL := TRUE
1134 1156
1135 1157 !run_test ()
1136 1158
1137 1159 -- OUTPUTS:
1138 1160 VG_OUTPUTS_INT_DPKG.NXTALTTGT = 17000.0
1139 1161 VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
1140 1162
1141 1163

```

1142 ~~TESTID: 24~~1164 ~~TESTID: 25~~

```

1143 1165
1144 1166 Test Name: VGSELALT_024

```

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

1145	1167	Next altitude Target	
1146	1168	SRD Reference: 10.4.2.2	
1147	1169		
1148	1170		
1149	1171	-- INPUTS:	
1150	1172	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call	:= FALSE
1151	1173	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS	:= MASTER
1152	1174	VG_HS_DPKG.DATA.FLTPHASE	:= CLIMB
1153	1175	VG_INPUTS_INT_DPKG.ACALT.ALT	:= 20000.0
1154	1176	VG_INPUTS_INT_DPKG.CRZALT	:= 13000.0
1155	1177	VG_INPUTS_INT_DPKG.CRZALTVAL	:= FALSE
1156	1178	VG_INPUTS_INT_DPKG.FCCSELALT	:= 14000.0
1157	1179	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT	:= 20000.0
1158	1180	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL	:= FALSE
1159	1181	VG_ONLY_INT_DPKG.NXTCLBTGT	:= 42000.0
1160	1182	VG_ONLY_INT_DPKG.VGREFALT	:= 21000.0
1161	1183	VG_OUTPUTS_INT_DPKG.OPPROC	:= CLBINTLEVEL
1162	1184	VG_OUTPUTS_INT_DPKG.VGALTTGTVL	:= TRUE
1163	1185	VG_INPUTS_INT_DPKG.CRZALTVAL	:= TRUE
1164	1186		
1165	1187	!run_test ()	
1166	1188		
1167	1189	-- OUTPUTS:	
1168	1190	VG_OUTPUTS_INT_DPKG.NXTALTTGT = 42000.0	
1169	1191	VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE	
1170	1192		
1171	1193		
1172		TESTID: 25	
	1194	TESTID: 26	
1173	1195		
1174	1196	Test Name: VGSELALT_025	
1175	1197	Next altitude Target	
1176	1198	SRD Reference: 10.4.2.2	
1177	1199		
1178	1200		
1179	1201	-- INPUTS:	
1180	1202	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call	:= FALSE
1181	1203	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS	:= MASTER
1182	1204	VG_HS_DPKG.DATA.FLTPHASE	:= CRUISE
1183	1205	VG_INPUTS_INT_DPKG.ACALT.ALT	:= 21000.0
1184	1206	VG_INPUTS_INT_DPKG.CRZALT	:= 13000.0
1185	1207	VG_INPUTS_INT_DPKG.CRZALTVAL	:= TRUE
1186	1208	VG_INPUTS_INT_DPKG.FCCSELALT	:= 14000.0
1187	1209	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT	:= 21000.0
1188	1210	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL	:= FALSE
1189	1211	VG_ONLY_INT_DPKG.DESTGTALT	:= -1000.0
1190	1212	VG_ONLY_INT_DPKG.NXTCLBTGT	:= -1000.0
1191	1213	VG_ONLY_INT_DPKG.NXTDESTGT	:= -1000.0
1192	1214	VG_ONLY_INT_DPKG.STEPCLBABD	:= FALSE
1193	1215	VG_ONLY_INT_DPKG.VGREFALT	:= 25000.0
1194	1216	VG_OUTPUTS_INT_DPKG.OPPROC	:= HOLDTOMANUAL
1195	1217	VG_OUTPUTS_INT_DPKG.VGALTTGTVL	:= TRUE
1196	1218	Vg_Inputs_Int_Dpkg.Minimum_Certified_Altitude	:= -1000.0
1197	1219		
1198	1220	!run_test ()	
1199	1221		
1200	1222	-- OUTPUTS:	
1201	1223	VG_OUTPUTS_INT_DPKG.NXTALTTGT = -1000.0	
1202	1224	VG_OUTPUTS_INT_DPKG.NXTALTTGTV = FALSE	
1203	1225		

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

1204	1226	
1205		TESTID: 26
	1227	TESTID: 27
1206	1228	
1207	1229	Test Name: VGSELALT_026
1208	1230	Next altitude Target
1209	1231	SRD Reference: 10.4.2.2
1210	1232	
1211	1233	
1212	1234	-- INPUTS:
1213	1235	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
1214	1236	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
1215	1237	VG_HS_DPKG.DATA.FLTPHASE := CRUISE
1216	1238	VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
1217	1239	VG_INPUTS_INT_DPKG.CRZALT := 14500.0
1218	1240	VG_INPUTS_INT_DPKG.CRZALTVAL := TRUE
1219	1241	VG_INPUTS_INT_DPKG.FCCSELALT := 14000.0
1220	1242	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
1221	1243	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
1222	1244	VG_ONLY_INT_DPKG.DESTGTALT := -1000.0
1223	1245	VG_ONLY_INT_DPKG.NXTCLBTGT := -1000.0
1224	1246	VG_ONLY_INT_DPKG.NXTDESTGT := -1000.0
1225	1247	VG_ONLY_INT_DPKG.STEPCLBAHD := FALSE
1226	1248	VG_ONLY_INT_DPKG.VGREFALT := 25000.0
1227	1249	VG_OUTPUTS_INT_DPKG.OPPROC := CRZLEVEL
1228	1250	VG_OUTPUTS_INT_DPKG.VGALTGTVAL := TRUE
1229	1251	
1230	1252	!run_test ()
1231	1253	
1232	1254	-- OUTPUTS:
1233	1255	VG_OUTPUTS_INT_DPKG.NXTALTGT = -1000.0
1234	1256	VG_OUTPUTS_INT_DPKG.NXTALTGTV = FALSE
1235	1257	
1236	1258	
1237		TESTID: 27
	1259	TESTID: 28
1238	1260	
1239	1261	Test Name: VGSELALT_027
1240	1262	Next altitude Target
1241	1263	SRD Reference: 10.4.2.2
1242	1264	
1243	1265	
1244	1266	-- INPUTS:
1245	1267	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := TRUE
1246	1268	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
1247	1269	VG_HS_DPKG.DATA.FLTPHASE := DESCENT
1248	1270	VG_INPUTS_INT_DPKG.ACALT.ALT := 16000.0
1249	1271	VG_INPUTS_INT_DPKG.FCCENGDMODE := ALT_HOLD_MAX_THRUST
1250	1272	VG_INPUTS_INT_DPKG.FCCSELALT := 14000.0
1251	1273	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 15566.0
1252	1274	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := TRUE
1253	1275	VG_ONLY_INT_DPKG.DESTGTALT := 16000.0
1254	1276	VG_ONLY_INT_DPKG.NXTDESTGT := 14050.0
1255	1277	VG_ONLY_INT_DPKG.VGREFALT := 15566.0
1256	1278	VG_OUTPUTS_INT_DPKG.OPPROC := DESINTLEVEL
1257	1279	VG_OUTPUTS_INT_DPKG.VGALTGT := 14500.0
1258	1280	VG_OUTPUTS_INT_DPKG.VGALTGTVAL := TRUE
1259	1281	
1260	1282	!run_test ()
1261	1283	

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

1262	1284	-- OUTPUTS:
1263	1285	VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 14500.0
1264	1286	VG_OUTPUTS_INT_DPKG.NXTALTTGT = 15566.0
1265	1287	VG_OUTPUTS_INT_DPKG.NXTALTTGTV = TRUE
1266	1288	VG_OUTPUTS_INT_DPKG.VGALTTGTVL = FALSE
1267	1289	
1268	1290	
1269		TESTID: 28
	1291	TESTID: 29
1270	1292	
1271	1293	Test Name: VGSELALT_028
1272	1294	The Vertical Guidance Altitude Target (AA, CIL, CL, DP, DIL, ED, LD, DPO, HM, AD, EO » T/O, EO T/O Lvl Acc, EODD)
1273	1295	is the Vertical Guidance Reference Altitude (FCC package not called)
1274	1296	SRD REFERENCE 10.2.1.3, 10.2.2.3, 10.2.3.3, 10.2.4.3, 10.2.5.3, 10.2.6.3,
1275	1297	SRD REFERENCE 10.2.7.3, 10.2.8.3, 10.2.9.3, 10.2.10.3, 10.2.11.3, 10.2.12.3
1276	1298	(VGUIDE_SRD_8005, MD11_VG_TEST_1104) & (VGUIDE_SRD_5206, MD11_VG_TEST_1202) & (VGUIDE » _SRD_5304, MD11_VG_TEST_1303) &
1277	1299	(VGUIDE_SRD_5618, MD11_VG_TEST_1403) & (VGUIDE_SRD_5655, MD11_VG_TEST_1503) & (VGUIDE » _SRD_8286, MD11_VG_TEST_3822) &
1278	1300	(VGUIDE_SRD_8235, MD11_VG_TEST_3823) & (VGUIDE_SRD_8201, MD11_VG_TEST_3824) & (VGUIDE » _SRD_8152, MD11_VG_TEST_3825) &
1279	1301	(VGUIDE_SRD_8118, MD11_VG_TEST_3826) & (VGUIDE_SRD_2840, MD11_VG_TEST_3827) & (VGUIDE » _SRD_5555, MD11_VG_TEST_3828) &
1280	1302	(VGUIDE_SRD_2894, MD11_VG_TEST_3829)
1281	1303	
1282	1304	
1283	1305	-- INPUTS:
1284	1306	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := FALSE
1285	1307	VG_ONLY_INT_DPKG.VGREFALT := 15566.0
1286	1308	VG_OUTPUTS_INT_DPKG.VGALTTGT := 15000.0
1287	1309	
1288	1310	!run_test ()
1289	1311	
1290	1312	-- OUTPUTS:
1291	1313	VG_ONLY_INT_DPKG.VGREFALT = 15566.0
1292	1314	VG_OUTPUTS_INT_DPKG.VGALTTGT = 15000.0
1293	1315	
1294	1316	
1295		TESTID: 29
	1317	TESTID: 30
1296	1318	
1297	1319	Test Name: VGSELALT_029
1298	1320	The Vertical Guidance Altitude Target (AA, CIL, CL, EO T/O, EO T/O, Lvl Acc) is the V » ertical Guidance Reference Altitude
1299	1321	SRD REFERENCE 10.2.1.3, 10.2.2.3, 10.2.3.3, 10.2.11.3, 10.2.12.3 (FCC package called)
1300	1322	(VGUIDE_SRD_8005, MD11_VG_TEST_1104) & (VGUIDE_SRD_5206, MD11_VG_TEST_1202) & (VGUIDE » _SRD_5304, MD11_VG_TEST_1303) &
1301	1323	(VGUIDE_SRD_5618, MD11_VG_TEST_1403) & (VGUIDE_SRD_5655, MD11_VG_TEST_1503) & (VGUIDE » _SRD_8286, MD11_VG_TEST_3822) &
1302	1324	(VGUIDE_SRD_8235, MD11_VG_TEST_3823) & (VGUIDE_SRD_8201, MD11_VG_TEST_3824) & (VGUIDE » _SRD_8152, MD11_VG_TEST_3825) &
1303	1325	(VGUIDE_SRD_8118, MD11_VG_TEST_3826) & (VGUIDE_SRD_2840, MD11_VG_TEST_3827) & (VGUIDE » _SRD_5555, MD11_VG_TEST_3828) &
1304	1326	(VGUIDE_SRD_2894, MD11_VG_TEST_3829)
1305	1327	
1306	1328	
1307	1329	-- INPUTS:
1308	1330	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := TRUE
1309	1331	VG_ONLY_INT_DPKG.VGREFALT := 15566.0

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

1310	1332	VG_OUTPUTS_INT_DPKG.VGALTGT	:= 15000.0
1311	1333		
1312	1334	!run_test ()	
1313	1335		
1314	1336	-- OUTPUTS:	
1315	1337	VG_ONLY_INT_DPKG.VGREFALT	= 15566.0
1316	1338	VG_OUTPUTS_INT_DPKG.VGALTGT	= 15566.0
1317	1339		
1318		TESTID: 30	
	1340	TESTID: 31	
1319	1341		
1320	1342	Test Name: VGSELALT_030	
1321	1343	Next altitude Target	
1322	1344	SRD Reference: 10.4.2.2	
1323	1345		
1324	1346		
1325	1347	-- INPUTS:	
1326	1348	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call	:= TRUE
1327	1349	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS	:= MASTER
1328	1350	VG_HS_DPKG.DATA.FLTPHASE	:= CRUISE
1329	1351	VG_INPUTS_INT_DPKG.ACALT.ALT	:= 21000.0
1330	1352	VG_INPUTS_INT_DPKG.CRZALT	:= 26000.0
1331	1353	VG_INPUTS_INT_DPKG.CRZALTVAL	:= TRUE
1332	1354	VG_INPUTS_INT_DPKG.FCCSELALT	:= 14000.0
1333	1355	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT	:= 21000.0
1334	1356	VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL	:= TRUE
1335	1357	VG_ONLY_INT_DPKG.NXTDESTGT	:= -1000.0
1336	1358	VG_ONLY_INT_DPKG.STEPCLBAHD	:= TRUE
1337	1359	VG_ONLY_INT_DPKG.VGREFALT	:= 25000.0
1338	1360	VG_OUTPUTS_INT_DPKG.OPPROC	:= AIRMASSASCNT
1339	1361	VG_OUTPUTS_INT_DPKG.VGALTGTVL	:= FALSE
1340	1362		
1341	1363	!run_test ()	
1342	1364		
1343	1365	-- OUTPUTS:	
1344	1366	VG_OUTPUTS_INT_DPKG.NXTALTGT = 26000.0	
1345	1367	VG_OUTPUTS_INT_DPKG.NXTALTGTV = TRUE	
1346	1368	VG_OUTPUTS_INT_DPKG.VGALTGTVL = TRUE	
1347	1369		
1348	1370		
	1371	TESTID: 32	
	1372		
	1373	During Descent and Approach, maintaining Des/Appr Path, the Altitude Target shall be	
	1374	the maximum of the Vertical Guidance Reference Altitude (10.1.6) and the Descent	
	1375	Target Altitude (10.1.6.1.4), when the Vertical Guidance Operational Procedure (10.2)	
		» is Descent Path.	
	1376		
	1377	this case to verify when the Vertical Guidance Operational Procedure is Descent Path,	
	1378	the Vertical Guidance Reference Altitude greater than the Descent Target Altitude ,	
	1379	then he Altitude Target Is equal to the Vertical Guidance Reference Altitude	
		»	
	1380	SRD Reference: VGUIDE_SRD_7006	
	1381		
	1382		
	1383	-- INPUTS:	
	1384	Test_VG_SELECT_ALT_TARGET.test_for_FCC_call	:= FALSE
	1385	FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS	:= MASTER
	1386	VG_HS_DPKG.DATA.FLTPHASE	:= DESCENT
	1387	VG_INPUTS_INT_DPKG.ACALT.ALT	:= 20000.0
	1388	VG_INPUTS_INT_DPKG.FCCSELALT	:= 14000.0

File: CTP_MD11_VG_SEL_ALT_TGT.TDF (continued)

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1389 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
1390 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := FALSE
1391 VG_ONLY_INT_DPKG.DESTGTALT := 20000.0
1392 VG_ONLY_INT_DPKG.NXTDESTGT := 25000.0
1393 VG_ONLY_INT_DPKG.VGREFALT := 25000.0
1394 VG_OUTPUTS_INT_DPKG.OPPROC := DESCENTPATH
1395 VG_OUTPUTS_INT_DPKG.VGALTTGT := 20500.0
1396 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := TRUE
1397
1398 !run_test ()
1399
1400 -- OUTPUTS:
1401 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 20500.0
1402
1403
1404 TESTID: 33
1405
1406 During Descent and Approach, maintaining Des/Appr Path, the Altitude Target shall be
1407 the maximum of the Vertical Guidance Reference Altitude (10.1.6) and the Descent
1408 Target Altitude (10.1.6.1.4), when the Vertical Guidance Operational Procedure (10.2)
1409 » is Descent Path.
1410
1411 this case to verify when the Vertical Guidance Operational Procedure is not Descent P
1412 » ath,
1413
1414 SRD Reference: VGUIDE_SRD_6
1415
1416
1417 -- INPUTS:
1418 Test_VG_SELECT_ALT_TARGET.test_for_FCC_call := TRUE
1419 FMCS_PARTITION_DATA_PKG.OPS_MASTER_STATUS := MASTER
1420 VG_HS_DPKG.DATA.FLTPHASE := CRUISE
1421 VG_INPUTS_INT_DPKG.ACALT.ALT := 21000.0
1422 VG_INPUTS_INT_DPKG.CRZALT := 26000.0
1423 VG_INPUTS_INT_DPKG.CRZALTVAL := TRUE
1424 VG_INPUTS_INT_DPKG.FCCSELALT := 14000.0
1425 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).ALT := 21000.0
1426 VG_INPUTS_INT_DPKG.MDA(MDXX_LGB_TPKG.ACTPRIMARY).VAL := TRUE
1427 VG_ONLY_INT_DPKG.NXTDESTGT := -1000.0
1428 VG_ONLY_INT_DPKG.STEPCLBAHD := TRUE
1429 VG_ONLY_INT_DPKG.VGREFALT := 25000.0
1430 VG_OUTPUTS_INT_DPKG.OPPROC := Crzlevel
1431 VG_OUTPUTS_INT_DPKG.VGALTTGTVL := FALSE
1432 VG_Inputs_Int_Dpkg.Fccengdmode := Alt_Capt_Speed
1433 VG_OUTPUTS_INT_DPKG.VGALTTGT := 24900.0
1434 VG_ONLY_INT_DPKG.DESTGTALT := 25000.0
1435
1436 !run_test ()
1437
1438 -- OUTPUTS:
1439 VG_OUTPUTS_INT_DPKG.ALTTAPETGT = 24900.0

```

Mode: All Lines

Left base folder: D:\MD11\17011\CTP_MD11_VG_SEL_ALT_TGT\old

Right base folder: D:\MD11\17011\CTP_MD11_VG_SEL_ALT_TGT

File: CTP_MD11_VG_SEL_ALT_TGT.TRT

1	1	!*****		
2	2	!Trace Filename: CTP_MD11_VG_SEL_ALT_TGT.TRT		
3	3	! UPDATED SCR UPDATED		
4	4	! DATE NUMBER BY		
5	5	! .=====.		
6	6	! 01/11/2001 N/A Auto-Created from VMS trace data		
	7	! 05/30/2013 17011.01 Dun Qing Integration of the SRD Anchor		
7	8	!		
8	9	!*****		
9	10	!Aircraft Document Anchor Traces to Anchor		
10	11	!-----		
11	12	MD11	SRD	MD11_VG_TEST_2059 VGUIDE_SRD_7000
12		MD11	SRD	MD11_VG_TEST_2057 VGUIDE_SRD_7002
13		MD11	SRD	MD11_VG_TEST_2018 VGUIDE_SRD_7003
14		MD11	SRD	MD11_VG_TEST_3830 VGUIDE_SRD_7004
15		MD11	SRD	MD11_VG_TEST_3831 VGUIDE_SRD_7006
16		MD11	SRD	MD11_VG_TEST_2019 VGUIDE_SRD_7007
17		MD11	SRD	MD11_VG_TEST_3832 VGUIDE_SRD_7008
18		MD11	SRD	MD11_VG_TEST_3833 VGUIDE_SRD_7009
19		MD11	SRD	MD11_VG_TEST_2020 VGUIDE_SRD_7010
20		MD11	SRD	MD11_VG_TEST_3834 VGUIDE_SRD_7011
21		MD11	SRD	MD11_VG_TEST_3835 VGUIDE_SRD_7012
22		MD11	SRD	MD11_VG_TEST_3836 VGUIDE_SRD_7013
23		MD11	SRD	MD11_VG_TEST_3837 VGUIDE_SRD_7015
24		MD11	SRD	MD11_VG_TEST_3838 VGUIDE_SRD_7017
25		MD11	SRD	MD11_VG_TEST_1178 VGUIDE_SRD_2902
26		MD11	SRD	MD11_VG_TEST_1104 VGUIDE_SRD_8005
27		MD11	SRD	MD11_VG_TEST_1278 VGUIDE_SRD_5205
28		MD11	SRD	MD11_VG_TEST_1202 VGUIDE_SRD_5206
29		MD11	SRD	MD11_VG_TEST_1357 VGUIDE_SRD_3041
30		MD11	SRD	MD11_VG_TEST_1303 VGUIDE_SRD_5304
31		MD11	SRD	MD11_VG_TEST_1417 VGUIDE_SRD_3026
32		MD11	SRD	MD11_VG_TEST_1403 VGUIDE_SRD_5618
33		MD11	SRD	MD11_VG_TEST_1513 VGUIDE_SRD_2837
34		MD11	SRD	MD11_VG_TEST_1503 VGUIDE_SRD_5655
35		MD11	SRD	MD11_VG_TEST_3282 VGUIDE_SRD_3072
36		MD11	SRD	MD11_VG_TEST_3283 VGUIDE_SRD_3103
37		MD11	SRD	MD11_VG_TEST_3284 VGUIDE_SRD_3221
38		MD11	SRD	MD11_VG_TEST_3285 VGUIDE_SRD_3150
39		MD11	SRD	MD11_VG_TEST_3286 VGUIDE_SRD_3190
40		MD11	SRD	MD11_VG_TEST_3287 VGUIDE_SRD_2810
41		MD11	SRD	MD11_VG_TEST_3288 VGUIDE_SRD_2848
42		MD11	SRD	MD11_VG_TEST_3289 VGUIDE_SRD_2891
43		MD11	SRD	MD11_VG_TEST_3899 VGUIDE_SRD_8286
44		MD11	SRD	MD11_VG_TEST_3823 VGUIDE_SRD_8235
45		MD11	SRD	MD11_VG_TEST_3824 VGUIDE_SRD_8201
46		MD11	SRD	MD11_VG_TEST_3825 VGUIDE_SRD_8152
47		MD11	SRD	MD11_VG_TEST_3826 VGUIDE_SRD_8118
48		MD11	SRD	MD11_VG_TEST_3827 VGUIDE_SRD_2840
49		MD11	SRD	MD11_VG_TEST_3828 VGUIDE_SRD_5555
50		MD11	SRD	MD11_VG_TEST_3829 VGUIDE_SRD_2894
	13	MD11	SRD	MD11_VG_TEST_2059 VGUIDE_SRD_7002
	14	MD11	SRD	MD11_VG_TEST_2059 VGUIDE_SRD_7003
	15	MD11	SRD	MD11_VG_TEST_2059 VGUIDE_SRD_7004
	16	MD11	SRD	MD11_VG_TEST_2059 VGUIDE_SRD_7006
	17	MD11	SRD	MD11_VG_TEST_2059 VGUIDE_SRD_7007

File: CTP_MD11_VG_SEL_ALT_TGT.TRT (continued)

18	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_7008
19	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_7009
20	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_7010
21	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_7011
22	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_7012
23	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_7013
24	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_7015
25	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_7017
26	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_2902
27	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_8005
28	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_5205
29	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_5206
30	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_3041
31	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_5304
32	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_3026
33	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_5618
34	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_2837
35	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_5655
36	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_3072
37	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_3103
38	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_3221
39	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_3150
40	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_3190
41	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_2810
42	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_2848
43	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_2891
44	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_8286
45	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_8235
46	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_8201
47	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_8152
48	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_8118
49	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_2840
50	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_5555
51	MD11	SRD	MD11_VG_TEST_2059	VGUIDE_SRD_2894