

**APPENDIX B  
(ENGLISH ONLY)**

**VALIDATION STATUS FOR THE DRAFT AMENDMENTS TO THE  
AMSS SARPs**

This status report consists of a table which contains a row for each agreed change proposal. For each change proposal, the section of the SARPs and a brief description of the change proposals is contained in the next two columns. This is followed by the validation method, which is either via testing, inspection or analysis (a combination of these three is possible).

Where validation is by testing, the next column in the table addresses what specific test is necessary to complete the validation requirement for the change proposal. The next column provides a reference to the report submitted to the VSG which provides the result of the testing. Finally, a status column is provided to track the validation of each individual CP.

It has been agreed that, for guidance material, validation need not be conducted and this is reflected in the table.

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
201a	G.M. 9.3.2.1	Owner preference table — alert to potential misuse.	Not required	—	—		Not required
202a	G.M. 9.3.2.5.1	Correct reference	Not required	—	—		Not required. Editorial CP (202a) agreed at WGA/13
203b	New channel type 4.1.3.4	Editorial reference to the 8.4 kbits/s channel rate	Inspection	NA	NA	Validation Sub-group	Validated
204b	New channel type Table 4-5	Definition of spectra limits	Testing	PL9_03	Doc #10	Validation Sub-group	Validated
205b	New channel type Table 4-7	Change of title for existing Table 4-7, and new spectral limits for the new channel type.	Inspection	NA	NA	Validation Sub-group	Validated
206d	New channel type Table 4-8	Define the demodulator performance for the new channel types.	Testing	PL6_07	Doc #6 Doc #10	Validation Sub-group & Input from SC165	Validated. Agreed at WGA/14.
207b	New channel type 4.3.4.3	Addition of a an AES demodulator frame lock, false frame lock, and reacquisition specification for the new channel type.	Testing analysis (for false frame lock)	PL6_04	Doc#10	Validation Sub-group & Input from SC165	Validated. Discussed at VSG meeting 2/7/98.
208b	New channel type 4.3.4.4.1 <i>bis</i>	Addition of a GES demodulator frame lock, false frame lock and reacquisition specification for the new channel type.	Testing analysis (for false frame lock)	Module 8 3.10	Doc #13	Validation Sub-group	Validated
209b	New channel type 4.3.4.4.1	Editorial change to the title of the existing section.	Inspection	NA	NA	Validation Sub-group	Validated
210c	New channel type Table 4-9	Editorial addition to the list of channel rates in the table.	Inspection	NA	NA	Validation Sub-group	Validated. WGA/13, 2/7/98.
211e	New channel type 4.4.5.2.1	Editorial changes to the wording of the section addressing preambles.	Inspection	NA	NA	Validation Sub-group	Validated. Agreed at WGA/14.
212b	New channel type Table 4-14	Addition of the preamble structure for the new channel type.	Testing/ inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
213b	New channel type 4.4.5.2.2	Addition of the postamble requirements for the new channel type.	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated
214c	New channel type 4.4.5.2.3	Addition of frame unique word structure for the new channel type.	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated CP accepted WGA/13
215b	New channel type Figure 4-9	C-Channel frame format for the 8.4 kbits/s channel	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated
216b	New channel type 4.4.5.2.4	C-channel unique word format for the new 8.4 kbits/s channel in the return direction	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated
217b	New channel type 4.4.5.3.1	Definition of the unique word structure for the new 8.4 kbps C-channel	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated
218c	New channel type 4.4.5.3.2	Introduction of the dummy field in the table for the new C-channel.	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated. CP agreed WGA/13. CP 325 raised to correct Fig 4.10.
219b	New channel type 4.4.5.3.3.1	Definition of the interleaver size for the new channel type.	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated
220b	New channel type 4.4.5.3.3.3	Editorial change to reference a new table 4-9 bis.	Inspection	NA	NA	Validation Sub-group	Validated
221c	New channel type 4.4.5.3.3.3.3	Definition of the "fill-in bit" for the frame structure of the new C-channel	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated. CP agreed WGA/13.
222d	New channel type 4.4.5.3.3.5	Definition of the forward error correction for the new C-channel type.	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated. Agreed at WGA/14.
223b	New channel type 4.4.5.3.3.6.1	Definition of the number of columns in the new C-channel interleaver.	Testing/inspection	Interworking test 4.1	Doc #14	Validation Sub-group	Validated
224b	New channel type Table A-2	Re-title table A1-2	Inspection	NA	NA	Validation Sub-group	Validated

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
225c	New channel type Table A-2	Carrier phase mask for the new C-channel type	Testing	PL9_03	Doc #10 (Addendum)	Validation Sub-group	Validated. CP agreed & test results checked VSG 2/7/98.
226b	New channel type Table A-3	Re-title table A1-3	Inspection	NA	NA	Validation Sub-group	Validated
227b	New channel type Table A-3 bis	Filter characteristic for the new C-channel	Testing	PL9_03	Doc #10	Validation Sub-group	Validated
228d	Harmonization of standards Fig AS1 - Log-on Request	Change SU coding to remove conflict with current avionics implementations	Analysis/inspection	NA	NA	Validation Sub-group	Validated. Agreed at WGA/14.
229b	Harmonization of standards Fig AS6 -Channel Status Report	Change SU coding to remove conflict with current avionics implementations	Analysis/inspection	NA	NA	Validation Sub-group	Validated
230b	Harmonization of standards Fig AS6D -Call Attempt Result	Change SU coding to remove conflict with current avionics implementations	Analysis/inspection	NA	NA	Validation Sub-group	Validated
232e	Harmonization of standards Fig A2-60. — System table broadcast GES spot bream support table	Change SU coding to remove conflict with current avionics implementations	Testing	SNM2_103 and SNM3 series Note: some regression testing should be conducted	Doc #5, (Annex 2).  Doc #16	Validation Sub-group	Validated. Agreed by WGA/14.
233c	Harmonization of standards Fig AS28A. — abbreviated access request.	Change SU coding to remove conflict with current avionics implementations	Analysis/inspection	NA	NA	Validation Sub-group	Validated. Agreed by WGA/14.
235c	Harmonization of standards Appendix C Item 10	Alignment of SCLV codes with SDM	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13

1B-4

Appendix B to the Report on Agenda Item 1

AMCP/6-WP/30

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
236b	New channel type Appendix C Item 11	Definition of a channel bit rate code for the new C-channel type	Inspection	NA	NA	Validation Sub-group	Validated
237b	Intermediate gain antenna Appendix C Item 16	Editorial changes to the definition of the Classes of AES to include the Intermediate gain antenna.	Inspection	NA	NA	Validation Sub-group	Validated
238d	Harmonization of standards Appendix 3 Item 25	Alignment of the definition of the field "GES beam support table" with the SDM	Testing	Interworking test 2.3	Doc #5	Validation Sub-group	Validated. CP agreed WGA/13.
240d	Harmonization of standards Appendix 3 Item 44	Alignment of the "reason" codes with the SDM.	Analysis/inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13.
241c	Harmonization of standards Appendix 3 Item 47	Alignment of report type' codes with the SDM.	Analysis/inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13.
242c	New channel type Appendix 3 Item 71	Addition of the new codec type to the existing section 71.	Testing	Interworking test 2.3	Doc #5 Doc #14	Validation Sub-group	Validated. CP agreed WGA/13.
243e	Harmonization of standards Appendix 3 Message List	Alignment of the message type list with the SDM.	Inspection	NA	NA	Validation Sub-group	Validated. Agreed by WGA/14.
244b	Intermediate gain antenna 4.2.3.2	Addition of a new paragraph title.	Inspection	NA	NA	Validation Sub-group	Validated
245b	Intermediate gain antenna 4.2.3.2	Addition of intermediate gain antenna performance parameters.	Testing	PL4_01	Doc #12	Validation Sub-group	Validated
246b	Intermediate gain antenna 4.2.3.2	Addition of the intermediate gain antenna axial ratio requirements.	Testing	PL3_01	Doc #12	Validation Sub-group	Validated
247b	Intermediate gain antenna 4.2.3.2	Addition of the intermediate gain antenna G/T.	Inspection	NA	NA	Validation Sub-group	Validated
248b	Intermediate gain antenna 4.2.3.2	Addition of the intermediate gain antenna Discrimination requirements.	Testing	PL3_01	Doc #12	Validation Sub-group	Validated
249b	Intermediate gain antenna 4.2.3.2	Addition of the discrimination "recommendation" for the intermediate gain antenna..	Inspection	NA	NA	Validation Sub-group	Validated

Appendix B to the Report on Agenda Item 1

1B-5

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
250b	Intermediate gain antenna 4.2.3.2	Introduction of a phase discontinuity requirement for intermediate gain antenna.	Testing	PL3_05	Doc #12	Validation Sub-group	Validated
251c	Intermediate gain antenna 4.2.3.2	Introduction of a phase discontinuity recommendation for the intermediate gain antenna.	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13.
252b	Intermediate gain antenna 4.2.3.5.1	Introduction of a minimum per carrier EIRP at maximum commanded value.	Testing	PL7_02	Doc #4 Doc #11	Validation Sub-group & SC165	Validated
253e	New codec type 4.8.5	Introduction of 8.4 C-channel-associates AMBE codec to the 8.4 C-channel.	Testing	Acceptance test - RTCA & AEEC	Doc #4 Doc #15	Validation Sub-group & SC165	Revised CP (253e) received from ICAO (WP589). No further validation necessary. Agreed at WGA/14
254b	New codec type Appendix 7 Chapter 4	Editorial modification of the introductory paragraph of the chapter to associate it to the 9600 bits/s codec.	Inspection	NA	NA	Validation Sub-group	Validated
256	Data service codes, Appendix 3, Chapter 4, Sec 14	Alignment of circuit data rate with the SDM.	Inspection	NA	NA	Validation Sub-group	Validated
257	AES antenna, guidance material Sec 2.3.2	Editorial amendments to the guidance material section.	Not required	—	—		Not required
258b	IG antenna EIRP, Appendix 3, Item 27	Introduction of the initial EIRP formulae for the new antenna type.	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed & updated WGA/13
259	Add ref for IGA, Sec 4.2.3.1	Editorial addition of the intermediate gain antenna in the text	Inspection	NA	NA	Validation Sub-group	Validated
260c	Data EIRP Table, Figure A2-30	Alignment of the signal unit coding with the SDM	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
261g	Data EIRP Table, Chapter 4, Appendix 3	Editorial addition to the list SU fields	Inspection	NA	NA	Validation Sub-group	CP261g agreed & validated at WGA/14. ICAO to implement changes deleting SC bit from SARPs.
262d	Data changes, SU fields, Chapter 4, Appendix 3	Editorial additions	Inspection	NA	NA	Validation Sub-group	Validated. Agreed by WGA/14.
263	SU field changes for spot beams	Change in the definition of the MSB of the channel frequency number coding.	Inspection	NA	NA	Validation Sub-group	Validated
264a	Data rate changes, SU fields	Editorial edition to the list of data bit rates.	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13
265	Correct spot beam series title	Editorial change to the title of a change.	Inspection	NA	NA	Validation Sub-group	Validated
266a	Spot beam management, 4.10.4.4.3.1.1	Editorial change to align the CP with the SDM	Inspection	NA	NA	Validation Sub-group	Validated. CP deleted (duplicated by CP317b).
267	Re antenna discrimination	Editorial change to the wording of the text.	Inspection	NA	NA	Validation Sub-group	Validated
268a	Beam steering transitions	Editorial change to the words in the Recommendation.	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13
269B	Guidance material section 3.1.3	Modifications to incorporate the 8.4 kbits/s channel	NR	—	—		Not required
270B	Data EIRP power control, Fig A2-62	Addition of a new signal unit type for alignment with the SDM.	Inspection/testing	Interworking test 2.3	Doc #5	Validation Sub-group	Validated
271	Channel configurations, 4.10.4.4.2.1	Align the section with the SDM	Inspection	NA	NA	Validation Sub-group	Validated
272	Spot beam management, 4.10.4.5.2.1	Align the section with the SDM	Inspection	NA	NA	Validation Sub-group	Validated
273	Spot beam management, 4.10.4.5.2.6	Align the section with the SDM	Inspection	NA	NA	Validation Sub-group	Validated

Appendix B to the Report on Agenda Item 1

1B-7

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
276a	IM frequency control 4.10.4.4.2.2	Add text to ensure inappropriate frequency assignments are not accepted	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13
278	Join/leave event — 4.7.6.1.3.	Add a new paragraph addressing join/leave events	Inspection	NA	NA	Validation Sub-group	Validated
279c	System Management. Table 4-26	Addition of a new note.	Inspection	NA	NA	Validation Sub-group	CP 279c Validated and agreed at WGA/14.
280b	Table 4-3	Table for spurious emissions	Inspection	Against MOPS	NA	Validation Sub-group	Validated. CP agreed WGA/13
281d	New Table 4-2 <i>bis</i>	Intermodulation table	Inspection	Against MOPS	NA	Validation Sub-group	Validated. New CP agreed WGA/14
282a	Transfer delay definition		Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13
284a	Guidance material section 3.2	Incorporate the 8.4 kbit/s channel	NR	—			Not required Agreed by WGA/14
285	Guidance material section 4.5.1.1	Incorporate the 8.4 kbit/s channel	NR	—			Not required
286	Guidance material section 10.4.1.2	Insert text addressing Spot beam maps	NR	—			Not required
287	Guidance material 10.4.5	Insert text addressing Spot beam maps	NR	—			Not required.
288a	Guidance material table A-1	Incorporation of 8.4 kbits/s channel	NR	—			Not required. Agreed by WGA/14.
289a	Guidance material table A-9	Incorporation of 8.4 kbits/s channel	NR	—			Not required Revised CP (289a) agreed WGA/13.
290	Guidance material table A-6	Modify title	NR	—			Not required
291	Guidance material table A-7	Modify title	NR	—			Not required

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
292	Guidance material table A-8	Modify title	NR	—			Not required
293	Guidance material table new Figure A-21	Insert text addressing spot beam maps	NR	—			Not required
294	Guidance material new Figure A-22	Insert a spectral limit mask for the 8.4 kbits/s	NR	—			Not required
296a	Section 4.7.1.1.1	Clean up join/leave event descriptions	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13. (VSG 2/7/98)
297	Section 4.7.5.3.	Clean up join/leave event descriptions	Inspection	NA	NA	Validation Sub-group	Validated
298	Section 4.7.6.1.3.2	Clean up join/leave event descriptions	Inspection	NA	NA	Validation Sub-group	Validated
299	Section 4.7.6.1.3.3.	Clean up join/leave event descriptions	Inspection	NA	NA	Validation Sub-group	Validated
300	Guidance material 7.1.1.3.	Clean up join/leave event descriptions	NR	—	—		Not required
301	Guidance material 7.1.1.4.	Clean up join/leave event descriptions	NR	—	—		Not required
302	Guidance material 7.5.1.1	Clean up join/leave event descriptions	NR	—	—		Not required
303b	Sections 4.2.3.5.7; 4.2.3.5.8.1.	GLONASS frequency protection	Inspection	NA		Validation Sub-group	Validated. Agreed by WGA/14.
304	Section 4.10.4.3.2.1	AES in distress to aircraft in distress	Inspection	NA	NA	Validation Sub-group	Validated
305	Section 4.1.1.1.	Definition of adjacent beam	Inspection	NA	NA	Validation Sub-group	Validated
306	Guidance material new Figure A-23	Insert a phase deviation mask for the 8.4 kbits/s	NR	—	—		Not required
307	Guidance material new Figure A-24	Add a transmit filter response mask.	NR	—	—		Not required
308	Figure A2-61	Addition of spot beam support Table SU.	Inspection	NA	NA	Validation Sub-group	Validated

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
310f	Guidance material 8.9	Redraft the guidance material	NR	—	—		Not required. Agreed by WGA/14.
311	Section 4.2.3.2.1	Fix the word “may” in the SARPs	Inspection	NA	NA	Validation Sub-group	Validated
312a	Various: 4.9.3.3.1; 4.10.4.3.2.1; guidance material	Remove the log-on request with application priority	Inspection	NA	NA	Validation Sub-group	Validated and agreed by WGA/14.
313b	Various: 4.8.4.1; 4.8.6.1; 4.8.8.3; Table 4-38; Fig A5-1. guidance material	Rationalisation of abbreviate access request requirements.	Inspection/ analysis	NA	NA	Validation Sub-group	Validated and agreed by WGA/14.
314b	Table 4-44 and 4-45	Editorial corrections to add LIDU names and associated field names to the tables.	Inspection	NA	NA	Validation Sub-group	Validated and agreed by WGA/14.
315a	Various	Removal of log-off duration	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13
316a	Guidance material - section 4.5.1.1	Editorial change to incorporate the new 8.4 kbits/s channel	NR	—	—		Not required. CP deleted WGA/14 (duplicated by CP285).
317b	Section 4.10.4.4.3.1.1	Reword to include the Data EIRP table	Inspection	NA	NA	Validation Sub-group	Validated. Upgraded at WGA14 to cover CP266a.
318b	Section .9.3.4.1.3.1.	Reword to include the Data EIRP table	Inspection	NA	NA	Validation Sub-group	Validated. CP agreed WGA/14
323d	Sections 4.1.3; 4.10.4.2.2.2	Common system table broadcast from GESs to permit interoperability between different satellite systems.	Inspection/ analysis	NA	NA	Validation Sub-group	Validated and agreed by WGA/14.
325a	Figure 4-10	Corrects error in diagram (ref CP218)	Inspection/ analysis	NA	NA	Validation Sub-group	Validated. CP agreed WGA/13
326a	Appendix 3, Item 57	Deletion of “SARPs compliant (SC)” bit to clarify meaning	Inspection	NA	NA	Validation Sub-group	Validated and agreed by WGA/14.

IB-10

Appendix B to the Report on Agenda Item 1

AMCP/6-WP/30

CP Number	Affected section of SARPs	Subject of Change	Validation method	Test Reference (SDM)	Test Report (VSG)	Responsibility	Validation Status
327	Section 4.2.3.5.5	Revision of log-on EIRP levels to align with SDM & MOPS	Inspection	NA	NA	Validation Sub-group	Validated and agreed by WGA/14.
328	Figures A2-27, A2-28	Harmonization of P-channel “request for acknowledgement” & “acknowledgement”	Inspection/analysis	NA	NA	Validation Sub-group	Agreed and validated by WGA/14.
329	Guidance material 2.5.3.2	Add clarification on meaning of 40dB isolation between AMSS and GNSS antennas.	Not required	—	—		Not required. Agreed by WGA/14
330a	Chapter 4, Appendix 7	Revision of headnote concerning licensing of BT vocoder.	Inspection	NA	NA	WGA/14	Agreed and validated by WGA/14.

Appendix B to the Report on Agenda Item 1