

ASAS MOPS Test Section Writing Responsibilities

Subsection		Type	Notes	Author
2.6	ASSAP Equipment Test Procedures	N/A		N/A
2.6.1	Definition of Standard Conditions of Test	N/A		N/A
2.6.2	Verification of ASSAP Input/Output Requirements (§2.2.2)	TBD	Use another test procedure	Dean Miller
2.6.3	Verification of Surveillance Processing (§2.2.3)	N/A		N/A
2.6.3.1	Verification of Source Level Track Generation (§2.2.3.1)	a. to e. - Dedicated detail scenario; f. - Capacity / boundary scenario.	Add “non-TCAS” test? Airborne only ?	Robert Eftekari, Chris Moody
2.6.3.1.1	Verification of Track Estimation (§2.2.3.1.1)	Basic generic report generation scenario.	Just exercise the basics 90%	Bob Burns
2.6.3.2	Verification of Inter-source Correlation (§2.2.3.2)	N/A		N/A
2.6.3.2.1	Verification of Correlation of ADS-B, ADS-R, and TIS-B Tracks (§2.2.3.2.1)	Correlation scenarios.	Airborne only ?	Robert Eftekari, Chris Moody
2.6.3.2.2	Verification of Correlation of TIS-B with Ownship (§2.2.3.2.2)	Correlation scenarios.	Airborne only ?	Robert Eftekari, Chris Moody
2.6.3.2.3	Verification of Correlation of TCAS with ADS-B, ADS-R, and TIS-B Tracks (§2.2.3.2.3)	Correlation scenarios.	Airborne only ?	Robert Eftekari, Chris Moody
2.6.3.3	Verification of Best Source Selection (§2.2.3.3)	1. - Detailed complicated scenario; 2. - Basic scenario, but with thresholds.	Needs reqmt rewrite	Bob Burns
2.6.3.4	Verification of Track Termination (§2.2.3.4)	Detailed timing scenario.	Airborne only ?	Robert Eftekari, Chris Moody
2.6.4	Verification of Application Processing (§2.2.4)	N/A		N/A
2.6.4.1	Verification of General Requirements (§2.2.4.1)	Latency scenario.	50%	Dean Miller
2.6.4.2	Verification of Application-Specific Requirements (§2.2.4.2)	N/A		N/A
2.6.4.2.1	Verification of Enhanced Visual Acquisition (EVAcq) (§2.2.4.2.1)	N/A		N/A
2.6.4.2.1.1	Verification of Own Aircraft Requirements for EVAcq (§2.2.4.2.1.1)	Simple test based on Horizontal Position.	99%	Bob Burns
2.6.4.2.1.2	Verification of Target Vehicle Requirements for EVAcq (§2.2.4.2.1.2)	1. to 3. - Simple test based on Horizontal Position & Timing.	99%	Bob Burns
2.6.4.2.2	Verification of Airport Surface Situational Awareness/Final Approach and Runway Occupancy Awareness (ASSA/FAROA) (§2.2.4.2.2)	N/A		N/A
2.6.4.2.2.1	Verification of Own Aircraft Requirements for ASSA/FAROA (§2.2.4.2.2.1)	1. - Simple test based on Horizontal and Vertical Positions. 2. - Simple test based on SIL and	90% reqmt change	Bob Burns

Subsection		Type	Notes	Author
		accuracy.		
2.6.4.2.2.2	Verification of Target Vehicle Requirements for ASSA/FAROA (§2.2.4.2.2.2)	1. to 7. - Simple threshold tests.	0	Bob Burns
2.6.4.2.2.3	Verification of Conflict Detection (CD) (§2.2.4.2.2.3)	1. to 4. - Simple logic tests. 5. - Timing scenarios.	N/A - Heading	Bob Burns with help from Ganghuai
2.6.4.2.2.3.1	Verification of Own Aircraft Requirements for CD (§2.2.4.2.2.3.1)	1. to 5. - Simple threshold tests.	90%	Bob Burns with help from Ganghuai
2.6.4.2.2.3.2	Verification of Target Vehicle Requirements for CD (§2.2.4.2.2.3.2)	1. to 6. - Simple threshold & timing tests.	90%	Bob Burns with help from Ganghuai
2.6.4.2.2.4	Verification of Enhanced Visual Approach (EVApp) (§2.2.4.2.2.4)	N/A	N/A - Heading	N/A???
2.6.4.2.2.4.1	Verification of Own Aircraft Requirements for EVApp (§2.2.4.2.2.4.1)	1. to 6. - Simple threshold & timing tests.	0	Robert Eftekari
2.6.4.2.2.4.2	Verification of Target Vehicle Requirements for EVApp (§2.2.4.2.2.4.2)	1. to 6. - Simple threshold & timing tests.	0	Robert Eftekari
2.6.4.3	Verification of Monitoring (§2.2.4.3)	N/A		N/A
2.6.4.3.1	Verification of General Requirements (§2.2.4.3.1)	N/A		N/A
2.6.4.3.1.1	Verification of Self Test (§2.2.4.3.1.1)	Detailed complicated scenario.	50%	Dean
2.6.4.3.1.2	Verification of Non Interference (§2.2.4.3.1.2)	???		Dean
2.6.4.3.2	Verification of Monitoring of ASAS Computer Resources (§2.2.4.3.2)	Detailed complicated scenario.	50%	Dean
2.6.4.3.3	Verification of ASAS Input Data Monitoring (§2.2.4.3.3)	N/A		N/A
2.6.4.3.3.1	Verification of ADS-B Receive Subsystem (§2.2.4.3.3.1)	Simple functional interruption test.	80%	Dean
2.6.4.3.3.2	Verification of TCAS (§2.2.4.3.3.2)	Simple functional interruption test.	80%	Dean
2.6.4.3.3.3	Verification of Ownship State Data (§2.2.4.3.3.3)	Simple functional interruption test.	80%	Dean