



RTCA Paper No. 197-22/SC223-124
EUR265-22/WG108-42

Washington D.C. & Saint Denis, 5 July 2022

MINUTES OF JOINT RTCA SC-223 (PLENARY # 51) /
EUROCAE WG-108 (MEETING #22) / JOINT MEETING #15
“Internet Protocol Suite (IPS)”

Date	June 13-17, 2022
Time	10am – 6pm CEST, Monday – Friday (Lunch 12:00pm – 1:00pm)
Hosted by	EUROCAE
Venue	Le Triangle, 9-23 Rue Paul Lafargue, 93200 Saint-Denis, France
Contact	Rebecca Morrison , Program Director, RTCA (202) 330-0654 or rmorrison@rtca.org Abinaya Kannan , Technical Programme Manager, EUROCAE +33 1 49 46 19 72 or abinaya.kannan@eurocae.net

Attendees:

Name	Role	Affiliation
Dlouhy, Ron	Member	COLLINS AEROSPACE
Esmael, Mahmoud	Member	COLLINS AEROSPACE
Gandolfi, Catherine	Member	EASA
Graefe, Jonathan	Member	COLLINS AEROSPACE
Haindl, Bernhard	Member	FREQUENTIS A.G.
Ishii, Hideyuki	Member	JAPAN RADIO AIR NAVIGATION SYSTEMS ASSOCIATION
Jaron, Zdenek	Member	HONEYWELL INTERNATIONAL, INC.
Kannan, Abinaya	Technical Programme Manager	EUROCAE
Ladron, Daniel	Member	BOEING
Leonardon, Laurent	Guest	COLLINS AEROSPACE
Morrison, Rebecca	Program Director	RTCA, INC.
Nepute, Brandon	Member	BOEING
Nisbet, David	Member	THALES GROUP
Olive, Mike	Member	HONEYWELL
Pelleschi, Stephane	WG-108 Chair	COLLINS AEROSPACE
Phillips, Brent	Government Authorized Representative	FEDERAL AVIATION ADMINISTRATION (FAA)
Popescu, Liviu	Member	EUROCONTROL
Pruvot, Stephane	Member	SITA
Roy, Aloke	SC-223 Chair	VISIONAR SYSTEMS, LLC
Soléry, Michel	Member	DSNA
Tamalet, Stephane	Member	AIRBUS
Varkonyi, Bela	Member	FREQUENTIS A.G.
Warns, Timo	Member	AIRBUS
Young, Chris	Guest	COLLINS AEROSPACE
Yu, Ming	Member	FEDERAL AVIATION ADMINISTRATION (FAA)
Zeng, Dongsong	SC-223 Secretary	THE MITRE CORPORATION

Agenda Items 1. Welcome address. Meeting Organizational Issues

Aloke Roy, Chair of SC-223, and Stephane Pelleschi, Chair of WG-108, welcomed the participants.

Agenda Item 2. Approval of the Agenda

The group reviewed and approved the meeting agenda.

Agenda Item 3. Administrative Remarks

Rebecca Morrison, Program Director, RTCA, and Abinaya Kannan, Technical Programme Manager, EUROCAE, presented the RTCA / EUROCAE antitrust, proprietary and membership policy statements. All participants agreed on the statements and no issues were raised.

Agenda Item 4. Review and Approval of Previous Meeting Notes

Dongsong Zeng, MITRE, went through the report of last meeting. The group reviewed and approved it.

Agenda Item 5. Current State of Standards

5a. ICAO WG-I (ICAO Annex 10, DOC 9896 ed 3, DOC 10090, DOC 10094, DOC 10095, DOC 10145)

Liviu Popescu, EUROCONTROL, briefed the group on the schedule of ICAO IPS standards development, which is shown in Figure 1.

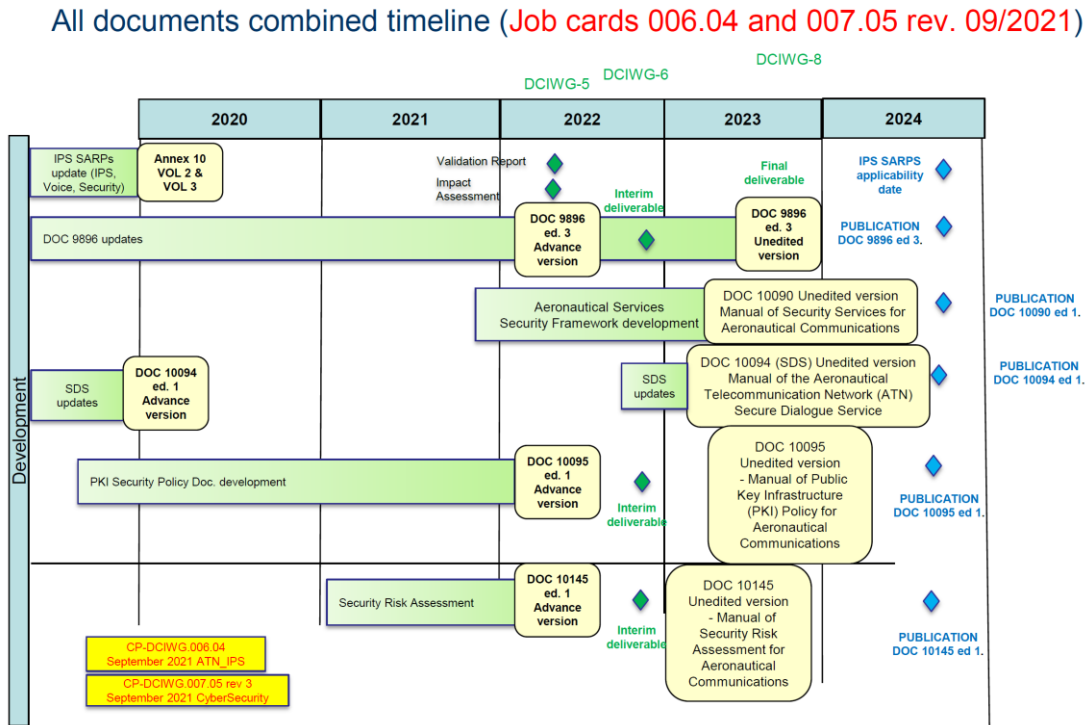


Figure 1. ICAO IPS SARPs and Docs Timeline

5b. AEEC IPS Subcommittee

Dongsong Zeng, MITRE, and Stephane Pelleschi, Collins Aerospace, reported that the ARINC858 development is progressing on schedule. In the last AEEC IPS SC meeting, April 26-28, 2022, Seattle, the requirement of subnetwork security was discussed, the group could not reach consensus on this issue and decided to wait for the ICAO decisions from IPS security risk assessment.

5c. ICAO TFSG

Jonathan Graefe, Collins Aerospace, briefed the group on the latest progress made by ICAO Trust Framework Study Group (TFSG). The Certificate Policy document is expected to be completed in March 2022 timeframe. The GRAIN work group is developing a new ICAO Information Security Manual. Meanwhile, TFSG is coordinating with Internet Corporation for Assigned Names and Numbers (ICANN) for the aviation IP address allocation.

5d. Other Relevant Standards

No other IPS relevant standards were brought up during the meeting.

Agenda Item 6. Current State of Industry Activities

6a. SESAR

Bela Varkonyi, Frequentis, reported that SESAR is validating AGMI with Inmarsat, iridium, VDL2 and AeroMACS subnetworks under FCI Solution 77. Validation report is expected to be available in October time frame.

6b. ESA IRIS

Aloke Roy, VisionAR Systems, LLC, reported that Iris got approval from EASA for its ATN/OSI safety data link. SESAR 3 will extend flight trials to ATN/OSI over multiple subnetworks.

6c. RTCA SC-228, UAS C2

Aloke Roy, VisionAR Systems, LLC, provided an update on the SC-228 activities. Stephane Pelleschi, Collins Aerospace, reported that WG-105 activity is temporarily suspended due to potential leadership changes (WG-105 chair is from Russia).

6d. RTCA SC-214 / WG-78 / WG-92

Dongsong Zeng, MITRE, reported that SC-214 VDLSG/WG-92/DLK leadership are planning to postpone the schedule of IPS-capable VDL2 standards revision for one year, i.e., moving the IPS-capable VDL2 standard completion date from the end of 2022 to the end of 2023, due to a lack of technological maturity. The proposed schedule slippage will be discussed during the next SC-214 VDLSG/WG-92/DLK plenary meeting in July; and if the group agrees, the committees will seek PMC/TAC/General Session approvals around September 2022.

6e. Any Other Relevant Activities

No other relevant activities were reported.

Agenda Item 7. IPS MASPS Development

7a. MASPS Development Progress Overview and Action Items Update

Stephane Pelleschi, Collins Aerospace, provided a status update of the MASPS development progress.

Aloke and Stephane reminded the group to review all the mature section of the MASPS to prepare for upcoming RAC and FRAC in September and December respectively.

Action 5. Aloke Roy to provide descriptions of IPS user, service provider, and high-level IPS context diagram.

7b. Decision on ROHC

Jonathan Graefe and Ron Dlouhy, Collins Aerospace, presented information papers titled “ROHC Channel Negotiation,” and “Draft IPS MASPS ROHC”. The ensuing discussion led to Decision 1.

Decision 1. ROHC/TCP is conditional on TCP support. The whole RFC applies if TCP is supported.

7c. Performance Requirements

The group reviewed the performance requirements in the MASPS during the meeting.

Action 6. Stephane Tamalet and Stephane Pelleschi to review Section 3.3 Performance Requirements to ensure all architecture diagrams in MASPS and Profiles are aligned.

Action 8. Ron Dlouhy and Stephane Pruvot to provide draft guidance regarding IPS performance allocation and sub-allocation.

7d. OSED & OPA

Aloke Roy, VisionAR Systems, LLC, and Stephane Pelleschi, Collins Aerospace, led the group to review the MASPS OSED and OPA sections.

Aloke Roy, VisionAR Systems, LLC, presented an input paper on IPS operational requirements. The group discussed the paper and provided comments. Stephane Tamalet from Airbus expressed some reservation about including the proposed requirements in Section 3.2 but agreed that the proposed Operational requirements are appropriate as part of Annex A. The master document of MASPS Section 3.2 and Annex A will be updated accordingly.

Action 3. Stephane Tamalet to propose operational requirements for Section 3.2.

These requirements need to be reviewed and agreed by the group in the September meeting. Stephane Pelleschi will then update Operational Requirements in Annex A and Section 3.2 accordingly.

Action 7. Aloke Roy to prepare notional architecture to include C2 link element and ensure consistency with the MASPS regarding C2 link.

7e. Verification Methods

Dongsong Zeng, MITRE, presented slides titled “An Improved Method for RCP Latency Performance Verification,” which recommends replacing the current Wald confidence interval with Wilson confidence interval in the delay performance verification method due to the comparative performance advantage of Wilson confidence interval over Wald confidence interval.

Dongsong Zeng, MITRE, presented an information paper titled “Enhanced Delay Performance Verification Method,” which provides a draft update to MASPS Section 5.2 DELAY PERFORMANCE REQUIREMENT VERIFICATION METHOD.

The group discussed both the slides and draft MASPS update and agreed to accept Wilson confidence interval if SC-214 will also agree to adopt Wilson confidence interval in their DO-350B revision.

Action 2. Bela Varkonyi to provide Chapter 5 outline and initial texts by the end of August.

Action 9. Ron Dlouhy and Stephane Pruvot to review and comment on Bela Varkonyi’s presentation in the last meeting.

7f. Safety and Security

Aloke Roy, VisionAR Systems, LLC, presented an input paper on IPS safety requirements. The group discussed the paper and provided comments. The master document of MASPS will be updated accordingly.

Action 1. Aloke Roy to double check traceability and linkage from SARPs and Doc9896 to MASPS safety requirements.

Timo Warns, Airbus, presented a draft update to the MASPS Section 3.5 Security Requirements.

Action 4. Timo Warns to check the traceability of the MASPS security requirements to other security standards such as Doc 10095, 10145, TFSG docs, etc.

Daniel Ladron, Boeing, presented a draft input to MASPS Section 3.5.5 Fail Secure / Degraded Modes (Fail Secure Degraded Modes Draft - june22_plenary_comments.docx). The group discussed and provided comments on the draft input. The master document of MASPS will be updated accordingly.

Agenda Item 8. Profiles Update

The group revisited the last version of the Profiles master file that Madhu Niraula provided and made the following decisions and action items.

Decision 2. GB-LISP will be added to the Profiles as a separate annex for ground-ground implementation only.

Decision 3. Aloke Roy was appointed as the editor of the Profiles standard.

Action 10. Bernhard Haindl to provide initial GB-LISP profile draft before next meeting.

Action 11. Group to review profiles of RFC 7030 initiated by Madhu.

- Action 12.** Timo Warns to check the need for profiling RFC 9148.
- Action 13.** Group to review profiles of RFC 9147 initiated by Madhu.
- Action 14.** Jonathan Graefe to check the need for profiling RFC 9150.
- Action 15.** Timo Warns to check the need for profiling RFC 7252.
- Action 16.** Jonathan Graefe to review deprecated RFCs.
- Action 17.** Group to address comments from previous reviews and finalize the update initiated by Madhu.
- Action 18.** Daniel Ladron to check the need for profiling RFC 4210.
- Action 19.** Laurent Leonardon to check the need for profiling RFC 5272.
- Action 20.** Laurent Leonardon to check the need for profiling RFC 5273.
- Action 21.** Daniel Ladron to check the need for profiling RFC 5785.
- Action 22.** Rob Segers and Patrick Patterson to check the need for profiling SCVP RFCs.
- Action 23.** Jonathan Graefe to check the need for profiling RFC 4815.
- Action 24.** Jonathan Graefe to check the need for profiling RFC 3095.
- Action 25.** Jonathan Graefe to check the need for profiling RFC 8951.

Agenda Item 9. Future Meetings

SC-223 P52 / WG-108 / AEEC IPS, September 26 - 30, 2022, RTCA (in person meeting, room reserved)

SC-223 P53 / WG-108, December 5 - 9, 2022, EUROCAE (in person meeting, room reserved).

SC-223 P54 / WG-108, March 20 - 24, 2023, RTCA (room waiting for confirmation)

Monthly telecons

10:00 am – 12:00 pm EST, third Wednesday every month through the end of this year.

Agenda Item 10. Any Other Business

On other business was brought up during the meeting.

Agenda Item 11. Review of Meeting Decisions and Actions

The group reviewed the decisions made and actions created during the meeting.

Agenda Item 12. Adjourn

The meeting was adjourned around 2:00pm CEST, June 17, 2022.

List of Action Items

Action Item #	Action Content	Responsible	Due Date	Status
P37-6	Evaluate the impacts of splitting data flows among multiple links with performance-based multilink on ROHC performance. Assess whether ROHC at DAL C is reasonably achievable.	Collins Aerospace (Jon, Madhu and Stephane)	Sept. 28, 2020	9/28/2020 – keep open 12/7/2020 – keep open 3/1/2021 – keep open. 6/14/2021 – keep open 9/27/2021 – keep open 11/24/2021 – keep open. Stephane will provide an update in the next meeting. 01/18/2022 – keep open. 03/14/2022 – keep open. 06/3/2022 – Closed. Each datalink should have its own ROHC session.
P38-1	Maintain a MASPS action item list.	Stephane Pelleschi	Nov. 16, 2020	12/7/2020 – Closed.
P38-2	Stephane Pelleschi to reach out to Airbus and Alope Roy to reach out to Boeing for co-task-leads of the security task group.	Stephane Pelleschi, Alope Roy	Nov. 16, 2020	12/7/2020 – Closed.
P38-3	Update the IP address paper according to comments received in this meeting	Alope Roy	Nov. 16, 2020	12/7/2020 – Closed. Done.
P41-1	Coordinate with Ravi Jain on Security Management and identity assurance.	Alope Roy	Feb. 22, 2021	3/1/2021 – keep open. 9/27/2021 – Closed.
P41-2	Write a standard flow-down chart for MASPS.	Liviu Popescu and Alope Roy	Feb. 22, 2021	3/1/2021 – Closed.
P41-3	Review Stephane Tamalet's input papers on safety requirements and provide feedback on what should be covered in MASPS.	All members	Feb. 22, 2021	3/1/2021 – Closed.
P41-4	Provide FAA generic papers related to aircraft level security assessment.	Madhu Niraula and Lee Nguyen	Feb. 22, 2021	3/1/2021 – Closed. Inputs provided.
P41-5	Provide draft latency allocations for RCTPcsp based on the discussion in the meeting.	Stephane Pelleschi and Madhu Niraula	Feb. 22, 2021	3/1/2021 – Closed. Inputs are subject to group review.
P41-6	Provide a draft outline of security section in MASPS.	Timo Warns	Feb. 22, 2021	3/1/2021 – Closed.
P41-7	Follow up with OPLINK people on PBCS status.	Brent Phillips	Feb. 22, 2021	3/1/2021 – Closed. Coordination is ongoing. Multiple meetings with action plan.
P41-8	Make sure RCTP requirements are adequate for existing/future data services and what RCTP and SLA requirements are used for CSPs.	Brent Phillips, Dongsong Zeng, Pete Muraca, Alope Roy	Feb. 22, 2021	3/1/2021 – keep open. Still need to address operational issues such as security and multilink. 6/14/2021 – keep open. Will be resolved in ISRA. 9/27/2021 – keep open. 11/24/2021 – Closed. RCTP discussion is ongoing in SC-214/WG-78/OPDLWG. Additional materials will be provided in MASPS Chapter 5.

P41-9	Review ITU-T Y.1542 for performance allocation.	All members	Feb. 22, 2021	3/1/2021 – Closed.
P41-10	Update the CONOPS and bring in C2Link requirements for group consideration.	Aloke Roy	Feb. 22, 2021	3/1/2021 – keep open. 6/14/2021 – Closed. Subject to group discussion.
P41-11	Identify MASPS topics for next telecon and remind action owners of their actions.	Stephane Pelleschi	Feb. 22, 2021	3/1/2021 – Closed.
P42-1	Review FCI report and extract additional IPS requirements if necessary.	Stephane Pelleschi	June 7, 2021	6/14/2021 – Closed.
P42-2	Find out potential DO-379 changes including previous FRAC comments.	Madhu Niraula	June 7, 2021	6/14/2021 – keep open. 9/27/2021 – Closed. On-going activity.
P42-3	Find out the operational possibility of encryption of ATC messages.	Dongsong Zeng, Aloke Roy	June 7, 2021	6/14/2021 – keep open. DTLS AEAD uses both authentication and encryption in the data flow. How would encryption impact the ANSP current operation (e.g., 30-day data recording, etc.)? 9/27/2021 – Closed. Paper submitted to DCIWG. The action is moved to WG-I.
P42-4	Craft a whitepaper on RCTP measurement options and potential issues on intermediate nodes.	Bela Varkonyi	June 7, 2021	6/14/2021 – keep open. 9/27/2021 – keep open. 11/24/2021 – Closed. Bela will provide a whitepaper for inclusion into MASPS Chapter 5.
P42-5	Explore possibilities for performance measurement.	All members	June 7, 2021	6/14/2021 – keep open. 9/27/2021 – Closed. Merged with P42-4.
P42-6	Maintain progress sheet, update MASPS and track actions within MASPS.	Stephane Pelleschi	June 7, 2021	6/14/2021 – Closed. But the action stands until the publication of the MASPS.
P44-1	Provide rosters of SC-223 and WG-108, to be updated for MASPS publication.	Rebecca Morrison and Abinaya Kannan	Sept. 20, 2021	9/27/2021 – Closed.
P44-2	Work with ICAO and AEEC regarding the copyright of the glossary.	Rebecca Morrison and Abinaya Kannan	Sept. 20, 2021	9/27/2021 – Closed
P44-3	Prepare an update on TFSG and PKI CP	Stephane Pelleschi and Jonathan Graefe	Sept. 20, 2021	9/27/2021 – keep open. 11/24/2021 – keep open. 01/18/2022 – closed. Rob will provide input.
P44-4	Analyze the RCP/availability req w.r.t. DO-350A derivation to determine the PKI/CA requirements (availability, certificate/CRL lifetime, etc.) to be added in MASPS and their corresponding validation methods.	SC-223/WG-108	Sept. 20, 2021	9/27/2021 – keep open 11/24/2021 – keep open. PKI and CA requirement discussion on going. 01/18/2022 – keep open. Timo will provide inputs. 03/14/2022 – keep open. 06/13/2022 – Closed. Availability requirement will be

				specified in ICAO Doc10095. Information already included in MASPS. To our best knowledge, PKI availability may not lead to DO-350A RCP changes.
P44-5	Evaluate req for CA availability of 99% as specified by TFSG CP and decide if stringent req. need for Doc 10095.	WG-I/SSG	Sept. 20, 2021	9/27/2021 – Closed. Coordination is ongoing.
P44-6	Assess the impact of security failures in airspace operation w.r.t. ICAO req for servicing all aircraft in airspace and provide guidance for remedial operations.	WG-I	Sept. 20, 2021	9/27/2021 – Closed. Coordination is ongoing.
P44-7	Address security risks and mitigation and provide guidance for ANSP.	SC-223/WG-108	Sept. 20, 2021	9/27/2021 – Closed. On-going activity.
P44-8	Refine the device class definitions and fix Figure 1-1 and Table 1-2 in the Profiles document.	Madhu Niraula, Bela Varkonyi, and Stephane Pelleschi	Sept. 20, 2021	9/27/2021 – Closed. Proposal is subject to review.
P44-9	Coordinate with Thomas Mustach on the performance issues and report back at the next meeting.	Madhu Niraula	Sept. 20, 2021	9/27/2021 – Closed. Coordination is ongoing.
P44-10	Discuss with FAA management about US-EU strategy for large scale IPS demonstration and validation.	Aloke Roy and Brent Phillips	Sept. 20, 2021	9/27/2021 – Closed.
P47-1	Connect Stephane Pelleschi with EUROCAE WG-105 UAS cellular C2Link MOPS subgroup.	Abinaya Kannan	Jan. 11, 2022	11/24/2021 – Closed.
P47-2	Coordinate with Luc and Greg on whether to include ARINC658 in MASPS.	Stephane Pelleschi	Jan. 11, 2022	11/24/2021 – keep open. AEEC IPS may not want to maintain ARINC 658. 01/18/2022 – closed. Stephane and Greg will provide inputs.
P47-3	Discuss and coordinate with Solution 77 OSA team on IPS safety/security assessment (Bela to check with Solution 77 and find out who from Solution 77 side should attend this meeting, 10am – 12pm EST, Oct. 22)	IPS safety focus group	Oct. 22, 2021	11/24/2021 – Closed. A new POC of Solution 77 will be identified.
P49-1	Coordinate with RTCA, EUROCAE and AEEC to ensure smooth flow down of WG-I decisions.	Liviu Popescu	March 7, 2022	03/14/2022 – Closed. On going part of chair coordination.
P49-2	Develop typical SCVP operation scenarios and collect/estimate the SCVP performances for those scenarios.	Robert Segers and his team	March 7, 2022	03/14/2022 – keep open. 06/13/2022 – keep open. Performance will be addressed by Timo in this meeting.
P49-3	Provide information on SCVP client	Laurent Leonardon,	March 7, 2022	03/14/2022 – keep open. Rob to check the FAA’s Java implementation availability for industry, Madhu to provide COTS information. Liviu to check EUROCONTROL C# implementation. 06/13/2022 – Closed. Avionics COTS are not available. Ground

				portion may be available based on information provided by the FAA. May not have new use cases other than SWIM.
P49-4	Identify the planned submittal date of the draft RFC with SCVP stapling extension.	Robert Segers and Patrick Patterson	March 7, 2022	03/14/2022 – keep open. 06/13/2022 – keep open. Presentation to IETF is planned for June 2022.
P49-5	Review IPS CA performance requirements proposed by Timo Warns and check whether the proposed requirements are sufficient to meet the RCPs.	Performance focus group	March 7, 2022	03/14/2022 – keep open. 06/13/2022 – Closed. Review is ongoing.
P49-6	Investigate EST over COAP.	Madhu Niraula and Stephane Pelleschi	March 7, 2022	03/14/2022 – keep open. 06/13/2022 – Closed.
P50-1	Find out who (e.g., ANSP, AOC) is accountable for the end-to-end security of the ATS and AOC data links from the SLA perspective. Coordination with Doc 10090 for guidance	Aloke Roy	June 6, 2022	06/13/2022 – keep open. Waiting for OPLINK feedbacks.
P50-2	Provide material for WG-I discussion to address: <ul style="list-style-type: none"> ▪ MASPS identifies the need for various PKI CA services (e.g., trust anchor provisioning, certificate provisioning, certificate renewal/rekeying, etc.) to be performed in a “timely manner.” Further discussion in WG-I SSG needed to define what that means from a PKI performance perspective. ▪ WG-I to consider whether off-system key generation is permissible (per IATF CP). ▪ WG-I to define requirements for certificate validation (i.e., what items need to be checked), and any additional validation steps that may be necessary during certificate provisioning (e.g., pair-wise consistency check). 	Madhu Niraula	June 6, 2022	06/13/2022 – Closed. It is being discussed by WG-I SSG.
P50-3	Draft a general guidance on security operation (e.g., loss of security) and coordinate with ICAO OPDLWG and DCIWG.	Aloke Roy	June 6, 2022	06/13/2022 – Closed. Papers have been presented at DCIWG and OPDLWG. It is being worked at secretary level.
P50-4	Consider and document the security vulnerabilities of this SCVP approach.	Robert Segers and team	June 6, 2022	06/13/2022 – Keep open. Rob is investigating this.
P50-5	Provide a notional architecture	Robert Segers and team	June 6, 2022	06/13/2022 – Keep open.
P50-6	Provide deployment considerations and guidance for SCVP. Should be high level but beyond the what include how and some examples	Patrick Patterson	June 6, 2022	06/13/2022 – Keep open.

P50-7	Make the RFC have option to either provide a list of URIs or a trust anchor – need to think through validation of response	Robert Segers and team	June 6, 2022	06/13/2022 – Keep open.
P50-8	Bring a working paper to next WG-I meeting at end of March, can be a draft but need something.	Robert Segers and team	June 6, 2022	06/13/2022 – Closed.
P50-9	Begin work on SCVP RFC	Robert Segers, Patrick Patterson and team	June 6, 2022	06/13/2022 – Keep open.
P50-10	Bring discussion to next WG-I meeting: Which documents (Doc 9896, Doc10095, MASPS, Profiles) should include SCVP requirements?	Robert Segers and team	June 6, 2022	06/13/2022 – Keep open.
P50-11	Contact DCIT/DSG to set up a focus group for performance verification.	Stephane Pelleschi	June 6, 2022	06/13/2022 – Closed.
P50-12	All presenters to update their proposed contributions and provide them to Stephane for incorporation into the draft MASPS	All presenters	June 6, 2022	06/13/2022 – Closed.
P50-13	The group to review and comment on the draft MASPS and Profiles.	The group	June 6, 2022	06/13/2022 – Keep open.
P50-14	Provide real values of performance for both CPDLC and ADS-C.	Michel Soléry	June 6, 2022	06/13/2022 – Keep open.
P51-1	Double check traceability and linkage from SARPs and Doc9896 to MASPS safety requirements.	Aloke Roy	Sept.19, 2022	
P51-2	Provide Chapter 5 outline and initial texts by the end of August.	Bela Varkonyi	Sept.19, 2022	
P51-3	Propose Operational Requirements for Section 3.2.	Stephane Tamalet	Sept.19, 2022	
P51-4	Check the traceability of the MASPS security requirements to other security standards such as Doc 10095, 10145, TFSG docs, etc.	Timo Warns	Sept.19, 2022	
P51-5	Provide descriptions of IPS user, service provider, and high-level IPS context diagram.	Aloke Roy	Sept.19, 2022	
P51-6	Review Section 3.3 to ensure all architecture diagrams in MASPS and Profiles are aligned.	Stephane Tamalet and Stephane Pelleschi	Sept.19, 2022	
P51-7	Prepare notional architecture to include C2 link element and ensure consistency with the MASPS regarding C2Link.	Aloke Roy	Sept.19, 2022	
P51-8	Provide draft guidance regarding IPS performance allocation and sub-allocation.	Ron Dlouhy and Stephane Pruvot	Sept.19, 2022	
P51-9	Review and comment on Bela's presentation.	Ron Dlouhy and Stephane Pruvot	Sept.19, 2022	
P51-10	Provide initial GB-LISP profile draft before next meeting.	Bernhard Haindl	Sept.19, 2022	
P51-11	Review profiles of RFC 7030 initiated by Madhu.	Group	Sept.19, 2022	
P51-12	Check the need for profiling RFC 9148.	Timo Warns	Sept.19, 2022	

P51-13	Review profiles of RFC 9147 initiated by Madhu.	Group	Sept.19, 2022	
P51-14	Check the need for profiling RFC 9150.	Jonathan Graefe	Sept.19, 2022	
P51-15	Check the need for profiling RFC 7252.	Timo Warns	Sept.19, 2022	
P51-16	Review deprecated RFCs.	Jonathan Graefe	Sept.19, 2022	
P51-17	Address comments from previous reviews and finalize the update initiated by Madhu	Group	Sept.19, 2022	
P51-18	Check the need for profiling RFC 4210.	Daniel Ladron	Sept.19, 2022	
P51-19	Check the need for profiling RFC 5272.	Laurent Leonardon	Sept.19, 2022	
P51-20	Check the need for profiling RFC 5273.	Laurent Leonardon	Sept.19, 2022	
P51-21	Check the need for profiling RFC 5785.	Daniel Ladron	Sept.19, 2022	
P51-22	Check the need for profiling SCVP RFCs.	Rob Segers and Patrick Patterson	Sept.19, 2022	
P51-23	Check the need for profiling RFC 4815.	Jonathan Graefe	Sept.19, 2022	
P51-24	Check the need for profiling RFC 3095.	Jonathan Graefe	Sept.19, 2022	
P51-25	Check the need for profiling RFC 8951.	Jonathan Graefe	Sept.19, 2022	

-S-
Dongsong Zeng
Secretary

CERTIFIED as a true and accurate summary of the meeting.

- S-
Aloke Roy
SC-223 Chairman

- S-
Stephane Pelleschi
WG-108 Chairman