



RTCA Paper No. 253-18/SC223-068
 August 25, 2018

MINUTES OF THE TWENTY-EIGHTH SC-223 PLENARY
MEETING
“Internet Protocol Suite (IPS) and AeroMACS”

DATE: August 13 - 17, 2018

TIME: August 13 - 16, 2018, 9:00 a.m. – 5:00 p.m.
 August 17, 2018, 9:00 a.m. – 12:00 p.m.

PLACE: Hosted by Inmarsat
 1101 Connecticut Ave NW Suite 1200
 Washington, DC 20008

CONTACT: Rebecca Morrison, Program Director
 (202) 330-0654 or rmorrison@rtca.org

Attendees:

Name	Role	Affiliation	Note
Aloke Roy	Chair of SC-223	Honeywell International, Inc.	
Brent Phillips	Government Assigned Representative (GAR)	Federal Aviation Administration	
Rebecca Morrison	Program Director	RTCA, Inc.	
Dongsong Zeng	Secretary of SC-223	The MITRE Corporation	
Kristen Mineck	Member	INMARSAT	
Joe Teixeira	Member	INMARSAT	
Madhu Niraula	Member	Rockwell Collins, Inc.	
Antonio Correias	Member	Skymanatics	Via WebEx
Michael Vanguardia	Member	The Boeing Company	
Ron Dlouhy	Member	Rockwell Collins, Inc.	
Jonathan Graefe	Member	Rockwell Collins, Inc.	
Rafael Apaza	Member	NASA	
Andy Cebula	Guest	RTCA, Inc.	

Bruce Eckstein	Member	Firebird SE LLC	
Ann Heinke	Overlook Consulting, Inc	Overlook Consulting, Inc.	
Alfonso Malaga	Observer	Honeywell	Via WebEx

AGENDA

1. Welcome, Introductions, Administrative Remarks
2. Review of previous meeting notes and action items
3. Review of Current State of Industry Standards
 - a. ICAO WG-I
 - b. AEEC IPS Sub Committee
 - c. EUROCAE WG status
 - d. Alignment of ICAO, RTCA/EUROCAE & AEEC timeline & dependencies
4. Current State of Industry Activities
 - a. SESAR Programs
 - b. ESA IRIS
 - c. Any Other Activities
5. IPS Technical Discussions
 - a. Review of IPS high level profile (working papers)
 - b. SC-223 inputs to ICAO WG-I SARPS requirements
 - c. Review of IPS RFC detail Profiles
 - d. Prioritization of additional IETF RFCs for Profiling
 - e. Allocation of critical tasks to be completed by September 2018
6. Any Other Topics of Interest
7. Plans for Next Meetings
8. Review of Action Items and Meeting Summary
9. Adjourn when plenary business is complete

Agenda Items 1. Welcome, Introductions, Administrative Remarks

Aloke Roy, Chair of SC-223, Honeywell welcomed the participants.

Rebecca Morrison, Program Director, RTCA, started the meeting with the RTCA anti-trust policy:

“RTCA meetings are conducted in strict compliance with U.S. antitrust laws. Meetings shall not consider, or be used to discuss, agreements on prices, including terms of sale or credit, production plans, marketing strategies or customer potential, or any other element of competition between participants.

RTCA staff will suspend any discussion that relates to such matters and the Meeting will proceed only after appropriate limitation of such discussions has been advised and agreed.”

Agenda Item 2. Review of previous meeting notes and action items

The working group reviewed and approved the of SC-223 P27 meeting minutes without changes, and updated the status of previous action items.

Agenda Item 3. Review of Current State of Industry Standards

3a. ICAO WG-I

Aloke Roy, Honeywell, updated the group on the ICAO WG-I/26 meeting, Montreal, Canada, May 14-18, 2018.

The Security SG plans to complete the IPS security documents, i.e., Doc10090 Manual of Security for aeronautical communications, Doc10094 Manual of the Aeronautical Telecommunication Network (ATN) Secure Dialogue Service, and Doc10095 Manual of Public Key Infrastructure (PKI) Policy for Aeronautical Communications, by November 2018.

In response to the three IPS mobility candidate solutions, i.e., AERO, LISP and Mobile IPv6, that have been proposed to WG-I, the mobility SG developed a set of criteria to further down-select the mobility solutions and plans to finally decide the best global mobility solution by the end of 2018.

3b. AEEC IPS Sub-committee

The AEEC IPS Sub Committee plans to develop AEEC IPS standards in two steps:

Step 1: 18-month planning activity with five 2-day meetings, potentially involving ICAO, RTCA, EUROCAE, etc. (2015 to 2017, deliverable ARINC 658); and

Step 2: Standards writing (2017 to 2019, deliverable ARINC 858).

The AEEC IPS Sub Committee is currently working on ARINC 858.

3c. EUROCAE Working Group

No update on EUROCAE WG-108.

3d. Alignment of ICAO, RTCA/EUROCAE & AEEC timeline & dependencies

Currently the IPS standard development schedules of ICAO, RTCA/EUROCAE, and AEEC are well aligned. However, the decisions on IPS technology selections such as security, mobility, naming and addressing, name lookup, etc., will primarily depend on ICAO.

Agenda Item 4. Current State of Industry Activities

4a. SESAR Programs

Validation of ground-based LISP is expected to be completed in 2019.

4b. ESA IRIS

Kristen Mineck, Inmarsat, reported that Iris Precursor activities have been completed so far. The Final Report is currently under ESA review. The official closure of the Precursor phase is pending ESA final approval of this Report. Iris now moves on to the Initial Operational Capability (IOC) phase, in which the priorities will shift to finalizing programmatic elements such as contractual agreements with ANSP and airline partners.

4c. Any Other Activities

Aloke Roy, Honeywell, briefed the group about his recent trip to China's data communications workshop hosted in Beijing.

Agenda Item 5. IPS Technical Discussions

5.a. Review of IPS high-level profile

During the IPS high-level profile discussion, the group made the following decisions.

Decision 3: Reviewed and approved the security requirements proposed by Boeing and RC

Decision 6: Dispositioned comments and changes to the profile document resulting from previous meeting

Decision 7: Reviewed and approved IPS subnetwork interface requirements proposed by MITRE

Through the discussion, the work groups generated the following action items:

Action Item P28-1: Actionees to complete RFC-detailed profiles per action items defined in the excel spread sheet.

Action Item P28-2: Aloke Roy to update Sections 1, 2, 3.1 and 3.2 incorporating RTCA MASPS guidance 1.6 vulnerability and "shall and should" definitions.

Action Item P28-3: Dongsong Zeng to send update profile to the contributing team for update.

Action Item P28-4: Kristen Mineck to update the detailed RFC profile tables to only include exceptions.

Action Item P28-5: Aloke Roy to specify the outline of RFC reference strategy in PMC chair report.

Action Item P28-6: Rafael Apaza and Ron Dlouhy to update Section 2.3.1 Name resolution.

Action Item P28-7: Madhu Niraula to update Section 2.3.2 local mobility use case, 2.3.3 Security use case.

Action Item P28-8: Dongsong Zeng to add Section 2.3.4 multilink use case.

Action Item P28-9: Aloke Roy, Rafael Apaza and Ron Dlouhy to update Section 2.3.5 addressing and naming.

Action Item P28-10: Aloke Roy to update Section 2.4.

Action Item P28-11: Dongsong Zeng to put in the RFC 4492 profile.

Action Item P28-12: Brent Philipps to update RFC 8200 detail profile provided by Paul Mettus.

Action Item P28-13: Dongsong Zeng to take over the rest RFCs assigned to Paul Mettus.

Action Item P28-14: Madhu Niraula to provide updated figure 2.1-1.

Action Item P28-16: Madhu Niraula to share proxy MIPv6 strategy for local mobility with EUROCAE WG-108, and ICAO WG-I MSG to derive consensus.

5b. SC-223 inputs to ICAO WG-I SARPS requirements

The draft ICAO SARPS update for IPS is due by November 2018. Alope Roy, Honeywell, plans to generate and submit SC-223 inputs to SARPS update at the next ICAO WG-I meeting based on the results of Profile development. Dongsong Zeng, MITRE, plans to craft an ATN open-access requirement in the week after this meeting for Alope to include into the SC-223 inputs.

Action Item P28-15: Alope Roy to generate inputs to SARPS requirements update.

5c. Review of IPS RFC detail Profiles

RTCA informed the Committee that inclusion of requirement statements verbatim from IETF RFCs may violate the IETF Copyright unless specific approval is received from IETF to permit such inclusions. Although RTCA intends to proceed with such approval request, it might be a long-drawn, legal action. To mitigate such extended and indeterminate delay in finalizing the Profiles, SC-223 decided to only reference relevant sections, paragraphs and sentences within the paragraph while developing the detailed RFC protocol profiles. However, this change still impacts the FRAC schedule and the work plan for the IPS Profiles because all completed profiles must be redone and re-reviewed for accuracy and completeness. Currently, RTCA expects this change to be incorporated by the December joint Plenary meeting with EUROCAE.

The group reviewed and approved RFC 4492 detailed profile proposed by Madhu Niraula.

Decision 1: Approved RFC 4492 profile.

Decision 2: RFC 793, 4413 were reviewed and determined to be optional, thus not included in the detail profiles.

5d. Prioritization of additional IETF RFCs for Profiling

The group discussed the security RFCs proposed by Boeing and Rockwell Collins and determined the mandatory security RFCs for detail profiling.

Decision 4: Shortlist the security RFCs proposed by Boeing and RC.

Decision 5: Identified mandatory security RFCs for detail profile.

5e. Allocation of critical tasks to be completed by September 2018

The group updated RFC table, and assigned all mandatory RFCs to certain SC-223 members for profiling by September 2018. The assignment details are documented in “RFC Table_v7.xlsx.”

Agenda Item 6. Any Other Topics of Interest

No other topics of interest were brought up during the meeting.

Agenda Item 7. Plans for Next Meetings

Decision 8: Future meetings

- Monthly joint telecons (9/5, 10:00-11:00AM EST)
- Joint SC-223 P29 / WG-108 meeting (Profile FRAC/OC Release), September 24 - 28, 2018, RTCA
- Joint SC-223 P30 / WG-108 meeting (Profile FRAC/OC Resolution), December 10 – 14, 2018, hosted by Frequentis, in Vienna, Austria.

Agenda Item 8. Review of Action Items and Meeting Summary

Dongsong Zeng, MITRE, presented the out-briefing (SC-223 IPS Meeting OutBriefing_August_2018.pptx) which summarizes all the decisions and action items that were made during this meeting. The work group reviewed and agreed on the out-briefing.

Agenda Item 9. Adjourn

The meeting adjourned around 12:00 PM, Friday, August 17, 2017.

List of Action Items

Action Item #	Action Content	Responsible	Due Date	Status
P21-1	Add RFC 7296, 7427, 7670 1034, 1035, 1123, 2181 to high-level profile.	Dongsong Zeng	May 2, 2018	5/2/2017 – CLOSED
P21-2	Draft detail profiles for RFC 2460, 5795, 6846, 5225, 3095, and 4815.	Paul Mettus	May 2, 2018	5/2/2017 – Keep open 8/21/2017 – in progress 10/23/2017 - Keep open 12/4/17 – Keep open 3/5/18 – Keep open 6/4/18 – Alope will take care of this. 8/13/18 – Dongsong take over the RFCs.
P21-3	Draft detail profiles for RFC 4443, and 4861.	Madhu Niraula	May 2, 2018	5/2/2017 – CLOSED.
P21-4	Draft detail profiles for RFC 4862, 4429, 4291, 2474, 2475, 2597, and 3246.	Alope Roy	May 2, 2018	5/2/2017 – keep open 8/21/2017 – In progress. 10/23/2017 – In progress 12/4/17 – Keep open 3/5/18 – Keep open until Alope put them on the workspace 6/4/18 – Keep open. 8/13/18 – keep open.
P21-5	Refine detail profiles for RFC 2464, 5175, and 768.	Dongsong Zeng	May 2, 2018	5/2/2017 – CLOSED.

P21-6	RFC 3411, 3412, 3413 (SNMP low priority) to be assigned.	All members	May 2, 2018	5/2/2017 – keep open 8/21/2017 – keep open 10/23/2017 – In progress 12/4/17 – Keep open, low priority 6/4/18 – Keep open. 8/13/18 – SNMP is not a minimum requirement. Closed
P21-7	Draft detail profiles for RFC 1151 (RDP), and 7542 (NAI).	Antonio Correas	May 2, 2018	5/2/2017 – CLOSED
P21-8	Initiate the IPS system overview and use cases	Aloke Roy, Rafael Apaza, Antonio Correas and Dongsong Zeng	May 2, 2018	5/2/2017 – in progress 8/21/2017 – in progress 10/23/2017 – Closed and subject to review.
P21-9	Merge the two high-level profiles and draft the working paper for next WG-I meeting	Dongsong Zeng	May 2, 2018	5/2/2017 – CLOSED
P21-10	Investigate the tradeoffs of SCTP, RDP, UDP and TCP.	Dongsong Zeng and Antonio Correas	May 2, 2018	5/2/2017 – CLOSED
P21-11	Identify DNS related RFCs and develop use cases.	Rafael Apaza	May 2, 2018	5/2/2017 – keep open. 8/21/2017 – Closed
P22-1	Develop DNS use case	Rafael Apaza	August 21, 2017	8/21/2017 – Closed, subject to group review.
P22-2	Develop general connection establishment, data flow and mobility use case	Madhu Niraula	August 21, 2017	8/21/2017 – keep open 10/23/2017 – In progress 12/4/17 – Closed.
P22-3	Develop general security use case	Madhu Niraula	August 21, 2017	8/21/2017 – keep open 10/23/2017 – In progress 12/4/17 – Keep open 3/5/18 – Madhu provided initial draft, the group needs to discuss it. 6/4/18 – Closed and subject to group review
P22-4	Develop multi-link use case	Antonio Correas and Dongsong Zeng	August 21, 2017	8/21/2017 – Closed, subject to group review.
P22-5	Generate mapping table between WG-I requirements and derive requirements to identify gaps	Aloke Roy	August 21, 2017	8/21/2017 – Closed, overtaken by events. We will address it through use cases development
P22-6	Develop initial Profile and MOPS outline	Aloke Roy	August 21, 2017	8/21/2017 – Closed. Profile draft is done, MOPS outline can be deferred to later time.
P22-7	Place/organize the approved profiles on the work space	Dongsong Zeng	August 21, 2017	8/21/2017 – Closed.
P23-1	Explore subnetwork point of attachment (SNPA) addresses for aircraft.	Aloke Roy	October 23, 2017	10/23/2017 – Closed.
P23-2	Explore how many subnets typical DSPs have.	Madhu Niraula	October 23, 2017	10/23/2017 – Closed.

P23-3	Explore how many subnets FAA enterprise has.	Brent Phillips	October 23, 2017	10/23/2017 – In progress 12/4/17 – Closed. Rob Segers - for aviation interop only certain element of FAA network will be exposed. For those elements, 64 subnets will be more than adequate. This strategy might be applicable to other ANSPs.
P23-4	Explore how many subnets PAN European enterprise has.	Danny Bharj	October 23, 2017	10/23/2017 – In progress 12/4/17 – Closed. Refer to ECDL WP3 form CP WG-I/25.
P23-5	Review what is available in the IETF for multilink.	Antonio Correias, Madhu Niraula, Dongsong Zeng	October 23, 2017	10/23/2017 – Closed
P23-6	Flesh out the IPS CONOPS text.	Dongsong Zeng	October 23, 2017	10/23/2017 – Closed
P23-7	Investigate the CRCs of ROHC at system level.	Aloke Roy	October 23, 2017	10/23/2017 – In progress 12/4/17 – Keep open 3/5/18 – keep open 6/4/18 – keep open 8/13/18 – keep open.
P23-8	Review the existing RFC detail profiles for 5795, 4861, 2597, 3260, 2474, 3246 and provide comments before next telecon.	All member	October 23, 2017	10/23/2017 – In progress 12/4/17 – Closed and will be subject to document walk through.
P23-9	Identify what criteria are needed for link selection.	Antonio Correias	October 23, 2017	10/23/2017 – Closed
P23-10	Generate a whitepaper for the need for airborne router.	Madhu Niraula	October 23, 2017	10/23/2017 – Closed.
P24-1	Draft the simple name lookup provision	Madhu Niraula	December 4, 2017	12/4/17 – Closed and to be discussed.
P24-2	Compare the difference between RFC 8200 and RFC 2460, and recommend profile update	Paul Mettus	December 4, 2017	12/4/17 – Closed and to be discussed.
P24-3	Draft working paper to ICAO WG-I on the use of unique aircraft routing prefix mapped to mobility service provider for route determination. The ground entities use normal routing protocols to propagate the path information. This is an alternate solution to AERO, ground LISP and mobile IPv6	Madhu Niraula	December 4, 2017	12/4/17 – Closed
P24-4	Provide safety/security requirements for both data and control messages	Robert Segers	December 4, 2017	12/4/17 – Keep open 3/5/18 – done and subject to group review. 6/4/18 - Closed
P24-5	Provide link layer security white paper to Rob	Madhu Niraula	December 4, 2017	12/4/17 – Keep open 3/5/18 – Closed
P24-6	Provide CONOPS and DNS to Rich for incorporation to IPS profile draft	Dongsong Zeng	December 4, 2017	12/4/17 – Keep open 3/5/18 – closed
P24-7	Provide link selection criteria specifying which are optional and which are required	Antonio Correias	December 4, 2017	12/4/17 – Closed and to be discussed
P24-8	Provide a concept scheme showing multilink management of packet queuing and forwarding	Antonio Correias	December 4, 2017	12/4/17 – Closed and to be discussed

P24-9	Analyze IP multicast over multilink for emergency messages	Antonio Correas	December 4, 2017	12/4/17 – Closed and to be discussed
P24-10	Update profile schedule to the PMC	Aloke Roy and Brent Phillips	December 4, 2017	12/4/17 – Keep open. 3/5/18 – to be presented in March PMC
P25-1	Draft simple name lookup use case considerations for FANS over IPS and B2 over IPS in the format ready to be incorporated in the Profile	Madhu Niraula	March 5, 2018	3/5/18 – Done and subject to review.
P25-2	Draft security and mobility use case whitepaper and RFC detail profiles	Madhu Niraula	March 5, 2018	3/5/18 – Done and subject to review.
P25-3	Define security requirements and investigate FAA special conditions and share with SC-223	Robert Segers	March 5, 2018	3/5/18 – Done and subject to review.
P25-4	Analyze the DNS security RFCs and if needed generate the detailed RFC profiles	Robert Segers	March 5, 2018	3/5/18 – Done and subject to review.
P25-5	develop port filtering and firewall rules for TCP/UDP ports	Aloke Roy	March 5, 2018	3/5/18 – Done and subject to review.
P25-6	Investigate additional DNS fields needed for simple name lookup, and RFC detail profiles	Rafael Apaza	March 5, 2018	3/5/18 – keep open 6/4/18 - Closed
P25-7	Review Section 3 Functional Requirements of the draft Profile	All members	March 5, 2018	3/5/18 – keep open 6/4/18 – Keep open 8/13/18 – will be moved to SARPS inputs.
P25-8	Finish multilink use case and requirements	Antonio Correas	March 5, 2018	3/5/18 – Done and subject to review.
P25-9	work on multicast use case (uplink/downlink) and RFCs	Antonio Correas and Aloke Roy	March 5, 2018	3/5/18 – Done and subject to review.
P25-10	Investigate the initial discovery for each subnetwork prefix and default gateway (wait for RC IMS paper)	Dongsong Zeng and Madhu Niraula	March 5, 2018	3/5/18 – keep open. 6/4/18 – keep open 8/13/18 – wait for Madhu
P25-11	Review the current RFC 8200 detail profile and provide comments to Paul (starting from item 9 in Section 4.6)	All members	March 5, 2018	3/5/18 – Done and subject to review.
P26-1	Resolve the end-to-end security requirement issue.	Madhu Niraula/Robert Segers	June 4, 2018	6/4/18 – keep open 8/13/18 – keep open
P26-2	Coordinate the SC-223 approved IPS security requirements with AEEC IPS subcommittee and ICAO WG-I.	Aloke Roy and Dongsong Zeng	June 4, 2018	6/4/18 – keep open 8/13/18 – working paper presented to AEEC and ICAO. Done.
P26-3	Work with regulators to investigate the potential IPS certification criteria.	Aloke Roy, Stephane Pelleschi, and Dave Robinson	June 4, 2018	6/4/18 – Closed and subject to group discussion. FAA regulatory decision to change from MOPS to MASPS, comments from EASA received.
P26-4	Investigate RFC 4035 Section 3.1.5 about the security concerns over zone transfer.	Robert Segers	June 4, 2018	6/4/18 – Keep open. 8/13/18 – keep open.
P26-5	Initiate IETF coordination.	Stephane Pelleschi	June 4, 2018	6/4/18 - Closed
P26-6	Update Figure 2.1-2 in the IPS profile and create a new IPS data flow diagram.	Madhu Niraula and Michael Vangadia	June 4, 2018	6/4/18 – Closed

P26-7	Review the functional profile and identify which ground options should be changed to mandatory	Stephane Pelleschi	June 4, 2018	6/4/18 – Closed and subject to group discussion. 8/13/18 – keep open.
P26-8	Take to the INNOVA the CONOPs and frame work of naming convention and ground DNS server responsibility, then provide requirements to SC-223/WG-108.	Rob Segers	June 4, 2018	6/4/18 – Closed.
P26-9	Provide a writeup describing simple name lookup for incorporation into the Profile.	Madhu Niraula	June 4, 2018	6/4/18 – closed and subject to review.
P26-10	Provide an architecture diagram/s with focus on expanding the architecture to include mobility, transition, access subnetworks	Aloke Roy	June 4, 2018	6/4/18 – keep open 8/13/18 – work in progress to update the introduction section of the profile.
P26-11	Change all mandatory requirements to conditional on DNS support (IO-DNS). Also re-assess air requirements because DNS is not supported over A/G	Rafael Apaza	June 4, 2018	6/4/18 – Closed and subject to plenary review.
P26-12	Add an introduction to define the scope of RFC 1035	Rafael Apaza	June 4, 2018	6/4/18 – Closed and subject to plenary review.
P26-13	Draft an initial 2-year meeting schedule	Stephane Pelleschi	June 4, 2018	6/4/18 – closed
P26-14	Look into the data base driven name lookup option	Michael Vangardia	June 4, 2018	6/4/18 – closed. The database driven name lookup is not suitable due to security limitations.
P26-15	Provide a list of IPsec RFCs implemented for Iris precursor	Kristen Mineck	June 4, 2018	6/4/18 – keep open. Sanity check with the security RFCs within the Profiles. 8/13/18 – keep open.
P26-16	Initiate a strawman outline of the MOPS document	Aloke Roy	June 4, 2018	6/4/18 – closed. Replaced by the decision of MASPS.
P27-1	Craft a development timeline and dependency table for the ICAO/RTCA/EUROCAE/AEEC working groups, and initiate a general guidance on the demarcation of the scope of each group	Aloke Roy, Liviu Popescu, Stephane Pelleschi, Vic Patel, Greg Saccone, and Luc Emberger	August 12, 2018	8/13/18 – on going. High priority
P27-2	Update table column for ground/ground boundary router	Bernhard Haindl	August 12, 2018	8/13/18 – keep open.
P27-3	Summarize the decisions made regarding the device classes in the meeting minutes	Aloke Roy, Stephane Pelleschi, Dongsong Zeng	August 12, 2018	8/13/18 – Done.
P27-4	Update Table 3.3.2-1: IPS DiffServ (DSCP & PHB) to ATN Priority Mapping and submit to WG-I for consideration after the RTCA/EUROCAE consolidation of comments.	Aloke Roy and Madhu Niraula	August 12, 2018	8/13/18 – keep open

	Note: the content will remain in the Profile until WG-I accepts it before FRAC/OC			
P27-5	Update Chapter 3.3.3 / 2 on the aircraft stand-alone routing domain	Aloke Roy	August 12, 2018	8/13/18 – keep open.
P27-6	Add definitions of IPS system, router, etc., in terms of acronym section. Aloke and Stephane Pelleschi to update all general sections in the profile document	Aloke Roy	August 12, 2018	8/13/18 – Done and subject to review.
P27-7	Write a whitepaper to explain that TCP should be prohibited for dialogue services	Stephane Tamalet	August 12, 2018	8/13/18 – keep open.
P27-8	Write a note on TCP, SCTP, UDP explaining the use of these protocols. Please consider the disposition of Frequentis’ comments	Stephane Pelleschi	August 12, 2018	8/13/18 – keep open.
P27-9	Expand the requirement (Chapter 3.3.2/ 7), into multiple requirements such as link performance metrics, link security status. Adjust independently “shall” or “should”	Dongsong Zeng, Stephane Tamalet, Antonio Correias and Bernhard Haindl	August 12, 2018	8/13/18 – Done and subject to review
P27-10	Re-submit the IP addressing proposal to CP DCIWG, WG-I and INNOVA	Aloke Roy	August 12, 2018	6/29/18 – Done. Aloke and Madhu to further coordinate on the multilink and addressing scheme.
P27-11	Draft a whitepaper on what is needed to be done on the ground side for security/certification	Mike Vanguardia and Stephane Tamalet	August 12, 2018	8/13/18 – keep open.
P27-12	Compile the port list in Profile chapter 3.3.8, and WG-I	Madhu Niraula to coordinate with Aloke Roy, Greg Saccone, Stephane Pelleschi, and Stephane Tamalet	August 12, 2018	8/13/18 – keep open.
P27-13	Send the updated simple name lookup proposal to Dongsong Zeng	Madhu Niraula	August 12, 2018	8/13/18 – Done.
P27-14	Integrate the previous version RFC profile spreadsheet to the current one, and validate it	Dongsong Zeng	August 12, 2018	6/29/18 – Done.
P27-15	Update RFC spreadsheet based on updated profile comments	Dongsong Zeng	August 12, 2018	6/29/18 – Done.
P27-16	Make sure all the previous working files are properly uploaded to the workspaces	SC-223 and WG-108 leadership	August 12, 2018	8/13/18 – done.
P27-17	Coordinate for FRAC/OC of the profile according to the TOR	Adrian Cioranu and Rebecca Morrison	August 12, 2018	8/13/18 – done.
P27-18	Request Hawkins to release the updated profile version to incorporate all the changes up to date preferably by end of next week	Aloke Roy and Dongsong Zeng	August 12, 2018	6/29/18 – Done.

P28-1	Complete RFC-detailed profiles per action items defined in the excel spread sheet	Actionees with action items of RFC profiling	Sept. 17, 2018	
P28-2	Update Sections 1, 2, 3.1 and 3.2 incorporating RTCA MASPS guidance 1.6 vulnerability and “shall and should” definitions	Aloke Roy	Sept. 17, 2018	
P28-3	Send update profile to the contributing team for update	Dongsong Zeng	Sept. 17, 2018	8/17/18 – Done.
P28-4	Update the detailed RFC profile tables to only include exceptions.	Kristen Mineck	Sept. 17, 2018	
P28-5	Specify the outline of RFC reference strategy in PMC chair report	Aloke Roy	Sept. 17, 2018	
P28-6	Update Section 2.3.1 Name resolution	Rafael Apaza and Ron Dlouhy	Sept. 17, 2018	
P28-7	Update Section 2.3.2 local mobility use case, 2.3.3 Security use case	Madhu Niraula	Sept. 17, 2018	
P28-8	Add Section 2.3.4 multilink use case	Dongsong Zeng	Sept. 17, 2018	
P28-9	Update Section 2.3.5 addressing and naming	Aloke Roy, Rafael Apaza and Ron Dlouhy	Sept. 17, 2018	
P28-10	Update Section 2.4	Aloke Roy	Sept. 17, 2018	
P28-11	Put in the RFC 4492 profile	Dongsong Zeng	Sept. 17, 2018	8/17/18 – Done.
P28-12	Update RFC 8200 detail profile provided by Paul Mettus	Brent Philipps	Sept. 17, 2018	
P28-13	Take over the rest RFCs assigned to Paul Mettus	Dongsong Zeng	Sept. 17, 2018	
P28-14	Provide updated figure 2.1-1	Madhu Niraula	Sept. 17, 2018	
P28-15	Generate inputs to SARPS requirements update.	Aloke Roy	Sept. 17, 2018	
P28-16	Share proxy MIPv6 strategy for local mobility with EUROCAE WG-108, and ICAO WG-I MSG to derive consensus.	Madhu Niraula	Sept. 17, 2018	

-S-
Dongsong Zeng
Secretary

CERTIFIED as a true and accurate summary of the meeting.

- S-
Aloke Roy
Chairman

