

Agenda – Project 25 (P25) Compliance Assessment Program (CAP) Advisory Panel (AP) - March 2018	
Location	Orlando, FL, during the 2018 International Wireless Communications Expo (IWCE)
Date	March 6, 2018
Time	2:30 p.m. – 5:00 p.m. (EDT)
Meeting Room	Orange County Convention Center - North Hall, Room N320CD
Call-in Access	(866) 951-1151, conference ID: 7492054#

2:30 p.m. – 2:40 p.m.	Welcome and introductions – Sridhar Kowdley
2:40 p.m. – 3:00 p.m.	Program updates: <ul style="list-style-type: none"> • 2016/2017 Suppliers’ Declaration of Compliance (SDOC)/Summary Test Report (STR) and Waiver Requests • P25 CAP Certification Marks
3:00 p.m. – 3:30 p.m.	Inter RF Subsystem Interface (ISSI)/Console Subsystem Interface (CSSI) P25 CAP Testing – Sridhar Kowdley
3:30 p.m. – 4:00 p.m.	National Association of State Procurement Officials (NASPO) ValuePoint presentation – Neva Peckham, State of Washington Department of Enterprise Services
4:00 p.m. – 4:30 p.m.	Identification and discussion of AP priorities
4:30 p.m. – 5:00 p.m.	Questions and answers with the audience
5:00 p.m.	2018 AP event meeting schedule and close

P25 CAP AP Meeting Summary

March 6, 2018

Orlando, FL

2016 Common Air Interface (CAI) Test Requirements Compliance Assessment Bulletin (CAB) Suppliers’ Declaration of Compliance (SDOC)/Summary Test Report (STR) Update

The Department of Homeland Security (DHS) Science and Technology Directorate (S&T) Office for Interoperability and Compatibility (OIC) stated that if an equipment manufacturer has submitted a waiver request to OIC, then the SDOCs and STRs – based on the 2010 Test Requirements CAB (non-508) – will be granted a two-month extension (until April 30). If no waiver is received, the equipment will be removed. For equipment granted a waiver, the hyperlinks to the non-508 SDOC/STR documents will be removed on May 1, 2018. 2010 SDOC/STR documents will remain available via a request submitted to P25CAP@hq.dhs.gov. All equipment that was only tested according to the 2010 Test Requirements CAB

will be removed from the P25 CAP webpage on July 1, 2018. After July 1, 2018, only equipment tested to the 2016 Test Requirements CAB or 2017 Test Requirements CAB will be on the P25 CAP webpage.

Time Division Multiple Access (Two-slot TDMA) Test Lab - 2017 CAI CAB SDOC/STRs

The P25 CAP deadline for the TDMA P25 Test Lab accreditation (for 2017 TDMA CAB testing) is September 30, 2018, and the submission deadline for SDOC/STRs for TDMA capable equipment is March 31, 2019.

TDMA interoperability testing requires three TDMA CAI interoperability test labs that are equipped with TDMA trunked repeater equipment sourced from three different manufacturers. Currently, there are only two TDMA CAI interoperability labs with trunked repeater equipment. The third laboratory will not be ready for at least six months.

In the meantime, DHS S&T OIC is encouraging manufacturers to conduct both TDMA CAI interoperability testing and trunking Supplementary Data testing with two vendors. DHS S&T OIC will issue a waiver until the third laboratory is available. Once the third P25 Test Lab with TDMA trunked repeater equipment is recognized by OIC, OIC requests this equipment be tested at the third lab and the SDOC/STRs be updated and submitted to OIC within 6 months. DHS OIC is otherwise looking at potential alternatives, including field testing, to augment P25 CAP testing requirements in order to obviate the need to retest in a laboratory. Approaches are being discussed with the P25 CAP AP.

Note that since there are three TDMA CAI interoperability Test Labs and manufacturers support all the test cases in the 2016 test requirements CAB, TDMA CAI conventional interoperability testing (also part of the 2017 CAB) MUST meet the rule of three.

SDOC/STR P25 CAP Test Documentation

The new format SDOC/STR templates, which were developed to streamline and simplify test reporting, were open to public comment for 30 days (until March 15). DHS S&T OIC will have one SDOC/STR template set to cover both 2016 CAB and the 2017 CAB, allowing the user of the form to identify the CABs being tested (i.e., 2016 or 2017 CAI Test Requirements CAB). The new combined template will be available soon for users.

DHS S&T OIC will review options to update the P25 CAP webpage in order to highlight equipment that has been tested to the 2017 CAI Test Requirements CAB and 2016 CAI Test Requirements CAB.

P25 CAP Certification Marks

DHS S&T OIC has developed Terms of Use Agreements for its “P25 CAP Accreditation Body” and “P25 CAP Recognized Laboratory” certification marks. Both marks are registered trademarks that are now available. They require the proper paperwork to be submitted to DHS S&T OIC for use by the accreditation body or recognized laboratory.

Inter RF Subsystem Interface (ISSI)/Console Subsystem Interface (CSSI) Program for P25 CAP Testing

P25 CAP testing for the ISSI/CSSI will be limited to conformance testing at this time. Additionally, interoperability testing is not required at this time, but encouraged. The P25 CAP AP determined that interoperability testing in the laboratory by itself was insufficient for ensuring interoperability in the field. This is due to network configuration and implementation within an IP network.

Therefore, the P25 CAP AP is evaluating a process for manufacturers and users to submit field reports of ISSI or CSSI interoperability testing to address the current limitations of conformance testing alone. The exact policy and procedures, along with testing and reporting for these submissions, needs to be developed, discussed and reviewed by the P25 CAP AP before it is released for public comment.

National Association of State Procurement Officials (NASPO) ValuePoint Presentation

Neva Peckham, from the Washington State Department of Enterprise Services, presented on NASPO ValuePoint. The NASPO ValuePoint is a cooperative purchasing organization that provides public cooperative contracting. During the presentation, it was noted that NASPO ValuePoint will only accept P25 equipment on their contract if that equipment is listed on the P25 CAP webpage as “Approved (Grant Eligible) Equipment.” Forty states have agencies that make purchases via this contracting vehicle.

Identification and Discussion of AP Priorities with Audience

- **ISSI/CSSI Testing**

The P25 CAP AP is interested in reviewing, and possibly posting, test reports based on field acceptance testing between two or more vendors for ISSI or CSSI. P25 CAP AP will need to determine the recommended features set for testing and how these acceptance tests can be reported and posted on the P25 CAP webpage. Ideally, the users in the audience would like to see the P25 CAP provide a minimum feature list for ISSI/CSSI interoperability testing. It was agreed that manufacturer representatives will need to sign the acceptance test as well as the agency that owns the ISSI or CSSI. There was also a request that a P25 Test Lab that is accredited for trunking interoperability testing be allowed to submit testing results as well.

The audience was advised that they can provide the P25 CAP any thoughts they had on this topic via P25CAP@hq.dhs.gov.

- **TDMA Testing**

Completion of TDMA testing is a high priority, second only to completing 2016 testing and posting those results.

- **Importance of the P25/LTE Interworking Scope**

A minimum feature list for the P25/LTE interworking will be developed and reviewed by the P25 CAP AP before it is circulated for public comment. OIC suggested P25 CAP conformance testing for any LMR/LTE interface that is claiming their interface is based on, or compliant to, the P25 ISSI or CSSI. Some level of “security testing” for the ISSI/CSSI would also be reasonable.

- **Importance of P25 Standard Features**

The P25 CAP AP asked for input on what items could be written into the P25 standard. No other input was given at the end of this meeting.

The need to have vendors support both Motorola’s & Harris’ method for emergency cancellation was mentioned. Even though both methods for emergency cancellation are defined in the TIA-102 Standard, manufacturers do not always develop equipment that includes both methods. Brandon Diemer, APCO Project 25 Interface Committee (APIC) Chair, will bring a use case and/or requirements for supporting both methods of emergency cancellation to the next APIC meeting.

Future Meetings

- May 16, 2018 - Portland, Oregon - NCSWIC/SAFECOM Meeting Week
P25 CAP AP Open Session – 3:00 p.m. – 5:00 p.m.
- August 8, 2018 - Las Vegas, Nevada - APCO 2018
P25 CAP AP Open Session – Afternoon
- October 15-16, 2018 - location TBD - P25/TIA Fall Meeting
October 16 – P25 CAP AP Open Session