Summary of Forty-third Meeting

Special Committee 216 Plenary

Aeronautical Systems Security

The Forty-third Plenary of SC-216 was held June 13, 2019 at RTCA Headquarters, Washington, DC.

Attendees in room

- Dave Pierce (GE) – Chairman
- Siobvan Nyikos (Boeing) – Secretary
- Varun Khanna (FAA) – Government Authorized Representative (GAR)
- Karan Hofmann (RTCA)
- Stefan Schwindt (GE)
- Mark Perini (Honeywell Phoenix)
- Sam Masri (Honeywell)
- Mohamed Waheed (Aviage)
- Florian Tschakert (Lufthansa)
- Patrick Morrissey (Collins)
- Mark Kelley (Avista)
- Ed Hahn (ALPA)
- Brian Hoffman (ALPA)
- Phil Watson (Panasonic)
- Cesar Gomez (FAA)
- Brittany Skelton (Boeing)
- Laurent Leonardon (Collins)
- Mitch Trope (Garmin)
- Ted Patmore (Delta)
- Philippe Marquis (Dassault Aviation)

On Webex

- John Flores (FAA)
- Anna Guegan (EUROCAE)
- Kris Smith (Triumph Engine Control Systems)
- John Angermayer (Mitre)
- Ben Nagel (F-Secure)
- Rosemberg Andre da Silva (ANAC-Brazil)
- Joacy Freitas (ANAC-Brazil)
- Jeremy McClafferty (Department of National Defence of Canada)

- Ravi Nori (Teledyne)
- Shohreh Safarian (FAA)
- Brian Verna (FAA)
- Seth Stewart (ENSCO)
- Will Gonzalez (Aircraft Certification Office FAA)
- Marta Skomin (Triumph Engine Control Systems)
- Cyrille Rosay (EASA)

Presentation of EUROCAE harmonization awards

SC-216 plenary since not all of WG-72 here

RTCA remarks for plenary – Karan

RTCA is finishing a training course on three security documents, targeted for October 2019, will get word out ASAP for those interested in taking it

Members welcomed to participate in dry run

National Institute for Aviation Research, Wichita State University (NIAR) developed and will instruct the course

EUROCAE remarks – Anna

WG-72 SG4 (ED-201) meeting June 25-26 in London, will not be joint activity yet

FAA remarks – Varun

13 rules proposed for part 25 streamlining to include security

Existing rules need to be modified due to evolving technology

ARAC identified rules that need to be redone and included security

EASA and Europe ahead in terms of rulemaking, want to stay harmonized

Whatever is done needs to be *value added*, there needs to be a reason, and it needs to be pertinent to aviation

Timelines for AC? Nothing firm at this time, perhaps a draft out for comment in Fall 2019

Around the room and around the phone in case there are new attendees

Siobvan presented summary of Plenary 42 at EUROCAE in Paris in March

Plenary 42 minutes approved

ASTM Document Progress (Part 23, 27, 29) – Mitch

FAA and EASA published their versions of Part 23 rewrite

EASA NPA 2019-01 allows Part 23 to look at DO-326A if they wish

Goal to keep focus to major and higher failures

Cover IUEI

Audience - STC houses that don't do their own avionics work, smaller manufacturers that don't have security expertise, etc.

Still need to produce sufficient data, simplify continued airworthiness obligations

Stefan – EASA has been discussing more severe failures than major

Mitch - Then we can change focus to hazardous and catastrophic

"Right size it" for Part 23 aircraft

Dave - You are not looking to do training or make experts out of people who are not, correct? (yes)

Mitch – goal is to give them good guidance

Updated draft for F44.50 comment targeted for 3Q2019

Publish 2020

Dave – how would someone be involved?

Mitch - If your org is part of ASTM they can request to be in working group

Steve – how do you determine if this is a good standard?

Mitch – FAA would include it in their AC

EASA remarks – Cyrille Rosay

EASA NPA 2019-01 (RMT 648 Aviation Cybersecurity)

- Received ~200 comments
- Don't need workshop
- Expect communication after summer

NPA 2019-07 (RMT 720 Part AISS for Organizations)

- Out for comment (due September)
- Workshop in July for discussion, explain to world what ESCP is about, not meant to collect comments, expecting 200 people at EUROCONTROL

Working on special condition for large aircraft

Stefan - Statistics on RMT 648 (2019-01)?

Cyrille - Comments on AMC, comments on scope of risk assessment

Don't anticipate delays, should be able to respond by end of summer

Stefan – currently working on AMC and guidance material (GM) to go with rule

Ravi - When you publish GM in September, will EASA hold training or workshop?

Cyrille – EASA doesn't hold workshops for guidance material, but they will monitor requests in case it is needed, plan to do training for how to do a risk assessment, need to check status

Stefan – anything come out of the FAA EASA annual safety conference going on this week?

Cyrille - Security was a topic in a panel about innovation

Consensus exercise for revised SC-216 TOR

Dave showed TOR from yesterday with new deliverable dates (October 2020 for both ED-201 and ER-013 equivalents), minor clarifications

Karan - Active monitor status replaces sunset status

SC-216 voted unanimously yes to go forward with new TOR

Next steps – present to PMC on June 27

Should SC-216 divvy into subgroups like WG-72?

Siobvan – not necessary as all members of SC-216 are interested in all deliverables, WG-72 doesn't have to change anything, we would simply make sure all meetings are held in same location, same week to help with travel logistics

Cyrille – what do subgroup leaders think? May still need someone to lead each activity

Dave – agree, was thinking editor/leader for each document

If we have meetings same week, cannot break out into different conference rooms as people want to participate in more than one doc

Need to put ED-201 on workspace for those who don't have EUROCAE accounts

Get up to speed, prepare for conversations

Next ED-201 meeting June 25-26 (before PMC decision)

SC-216/WG-72 schedule review
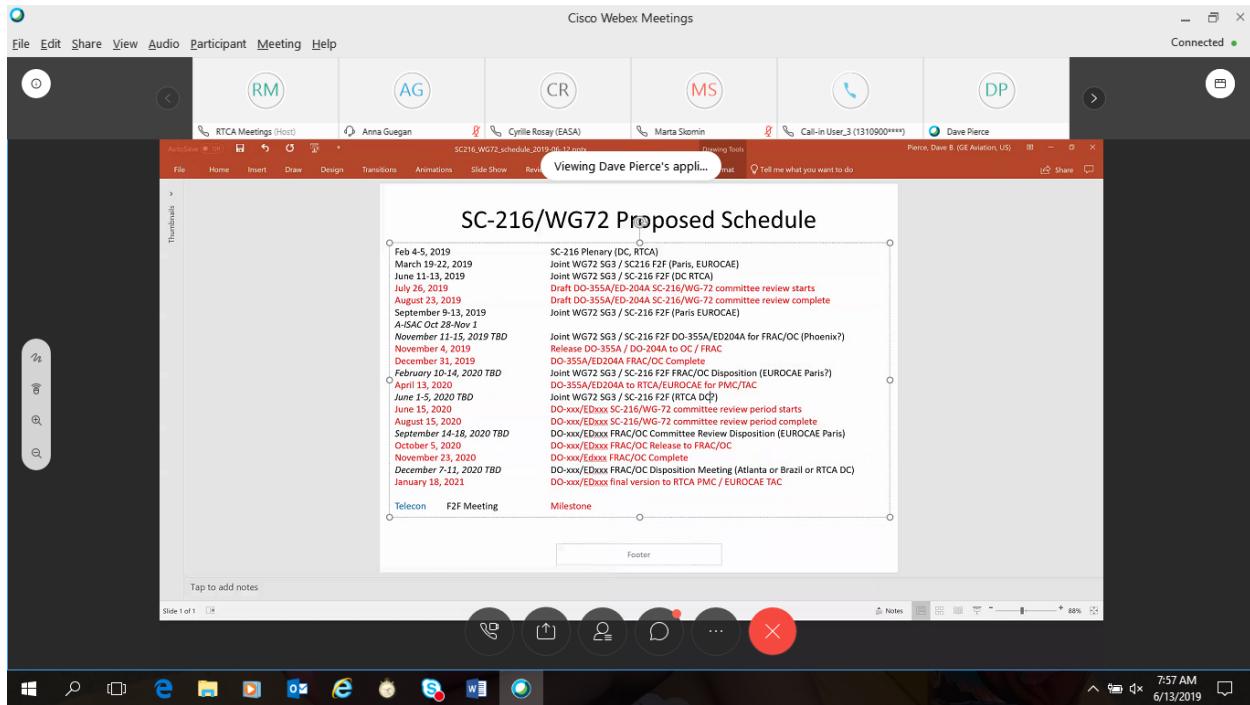
Telecons every two weeks seems to work

Judicael – might be too much actually, not much to discuss yet, switch to 3 weeks for now?

Dave looking for feedback on whether these dates clash with other industry activities

Siobvan announced Brittany will eventually be taking over as cyber industry standards focal

Discussion of other industry activities cyber related

- SC-236 WAIC
- Smart cabin messaging which is related to WAIC
- IPS
- JARUS WG-6 put out a call for cybersecurity SMEs
- ARINC secure software dataloading

Action item review, Siobvan and Dave compared notes

Reminder – 6 weeks for proposals to be generated and given to Mark Kelley and Florian

They need word copy of final DO-355/ED-204 that they can markup and incorporate inputs

That gives them 3-4 more weeks to build draft for discussion during September meeting

As for ISEM, 6 weeks for incorporating comments, action to each section owner

Need editor(s) for ISEM as well

OK to have overlap, can resolve later, include the things that are needed

iSpec 2200 – need for new industry activity

Guidance needed to develop AMM, CMM, etc. and have a common format for security handbooks

Update iSpec 2200 to include security manual template

John Flores - Mark Lopez might be a good contact, has action to reach out to him and A4A

No other business

Adjourn