Summary of the Seventy-Third Meeting

Special Committee 224 Plenary

Airport Security Access Control Systems

The seventy-third meeting of SC–224 was held virtually on December 10, 2020.

Attendees included:

Christer Wilkinson (Co-Chair)	AECOM System Solutions
Art Kosatka (Secretary)	TranSecure Inc.
Djhanice "DJ" Neric	Federal Aviation Administration (Government Authorized Representative)
Jonathan Branker	Federal Aviation Administration
Jose Chavez	Transportation Security Administration
Kevin Emden	M2P
Suzanne Guzik	Burns
Walter Hamilton	IDTP
Karan Hofmann	RTCA, Inc.
Lars Suneborn	IDTP
Adam Shane	LAWA
Don Zoufal	Crowznest

Regrets:

Lance Ferrell	M2P
Jeanne Oliver	Port Authority of New York & New Jersey

SC-224 – Meeting No. 73
(December 10, 2020 Meeting)

1. **Welcome and Administrative Remarks**

   Ms. Hofmann opened the meeting with the reading of the Anti-Trust Requirement, RTCA Proprietary Policy and Membership Policy and relevant exemptions.

   Dr. Wilkinson presented the agenda for today's meeting. Agreement was reached to formally acknowledge Ms. Olivier's 36 years of service at PANYNJ and to this committee.

2. **Approval of Previous Meeting Summary:**

The Summary for the October 29, 2020 meeting number 72 was approved with no comment or corrections.

3. **TSA Report:**

TSA representative Mr. Chavez reported no committee-related activity. Mr. Chavez and Mr. Paterno will be switching off committee attendance.

Ms. Guzik stated Burns' NSSA project to update the TSA Guidelines has been submitted for final edit and presumptive early spring publication. As for RTCA DO-230, she will be working more over the next few weeks on formatting, but officially has not received anything "ready to incorporate".

4. **Document Distribution:**

Ms. Hofmann reported no change on document distribution issue with industry organizations.

Dr. Wilkinson reported that the R&B access control project has only delivered listings of resource literature. The Exit lane study draft final from TranSolutions focuses on operational considerations, not technology/standards, with tentative publication in mid-May. There has been no reported coordination with RTCA DO-230 on any of the three projects noted above.

5. **DO-230K Discussion:**

Dr. Wilkinson requests information on an apparently new HID overlay package for mobile users; Mr. Suneborn will report at the next meeting.

Mr. Hamilton noted that his biometrics Section 3 has not been further updated since the last plenary; he will add some content mirroring the CV-19 discussion on facial recognition and airport/airline facilitation regarding recent research on significant degradation in performance from using masks. NIST evaluation reports poor results, and that suppliers of algorithms seek to focus on eye/ocular areas to disregard mask "noise", but that remains less than fully robust. Early work suggests the eye area is more stable, and that may be enough, but still not the same as iris. Some discussion of neural networks followed - they are not an algorithm or facial recognition; essentially, we really don't know how these networks work.

Mr. Zoufal's Credentialing section is not deemed to be SSI; there has been some input from Mr. Hamilton for updating some NIST references, and many foot notes will be modified; the draft is on the web site for full review. There was much discussion regarding RapBack – potentially it could be used in lieu of a new CHRC when changing to new airport employment. There is a verification feature for sharing among airports/airlines, and notification to sharing partners. DACs likely don't have any role in sharing the sharing

process. The review also contains new Privacy Act / Privacy Protection changes, noting the impact of different State requirements.

Mr. Emden's Procurement section is now reconciling comments received so far; is nearly done. He also notes that Mr. Ferrell is on military leave.

Mr. Shane's Video Section 6 is now on the web site for review; it describes the functions of each piece of the system and how they work together. The section has also been reorganized, although he notes the test section too long (7 pages) and will be revised. He reviews solid state storage and virtualization issues and ties video to access control – "the eyes of the system", as well as video analytics regarding Covid, facial recognition, and temperature estimation in an airport environment. A question arose regarding video analytics for exit lanes, which will be coordinated with Mr. Suneborn.

Dr. Branker's Cybersecurity section is now posted for comment on the web site, including some narrative on what's next for airport operators, He has reviewed PARAS and other resources, much of which is SSI, and is now reviewing at publicly available info to reference from many other resources such as NIST 800, FIPS, and more, both for cyber and for each section of documents for his Introduction section. Mr. Suneborn will review and contribute.

Mr. Kosatka's SOC section has been fully reviewed, but not significantly changed in several iterations, because – like Dr. Branker's introduction section – it is fully dependent on what, if any, information has changed in other sections. The SOC section takes the perspective that the SOC stops at the entry point in the wall (or wi-fi router or cell phone signal, or IT system's technical application, etc.); each of the contributing systems are locally unique and are dealt with in the relevant chapters.

There was acknowledgement that some extended discussion in many chapters is likely to be redundant, and/or often appropriately so in this single iteration of the document. However, the sections change independently over time, sometimes significantly and sometimes conflicting, and can easily be reduced by cross referencing those areas with links (e.g., See also Section XX, Page 123) rather than with bodies of redundant text. Not yet clear whether these should just be text pointers or actual hyper-links such as those which also reference external documents and resources.

Ms. Dores was unavailable to discuss the new facilitation section.

6. **Summary:**

All inputs should be in Ms. Guzik's hands by early January. Mr. Hamilton, Mr. Suneborn, Dr. Branker and Mr. Zoufal near-finals are expected by early January; Mr. Shane and Mr. Emden continue to work on their final versions; Mr. Ferrell's near-final date remains uncertain due to military reserves status; Mr. Kosatka will review the drafts before completing his SOC section; Ms. Dores' status will be determined shortly. Current schedule is for March FRAC submittal, which may still be questionable for a June PMC which requires 30 days submittal lead time.

7. **Following Meetings:** The next meeting sessions are:

January 28th, Plenary #74
March 11th, Plenary #75 (tentative date)

8. **Any Other Business:**

There being no other business the meeting was adjourned.

-S-
Art Kosatka
Secretary
CERTIFIED as a true and Accurate summary of the Meeting

-S-   -S-
Christer Wilkinson   Alan Paterno
Co-Chairman   Co-Chairman