

Summary of the Sixty-Ninth Meeting
Special Committee 224 Plenary
Airport Security Access Control Systems

The sixty-ninth meeting of SC – 224 was held virtually on April 16, 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
Gary Davis	Metropolitan Washington Airports Authority (MWAA)
Kevin Emden	M2P
Lance Ferrell	M2P
Justin Grasso	MWAA (Speaker)
Suzanne Guzik	Burns
Walter Hamilton	IDTP
Karan Hofmann	RTCA, Inc.
Jim McGuire	M2P
Jeanne Olivier	PANYNJ
Lars Suneborn	IDTP

SC-224 – Meeting No. 69
(April 16, 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. Note the RTCA facilities will remain closed until at least 1 May, maybe longer.

Dr. Wilkinson presented the agenda for today’s meeting.

2. Approval of Previous Meeting Summary:

The Summary for the January 16, 2020 meeting was approved with two small administrative corrections.

3. TSA Report:

No TSA representation to report agency status or activity.

Dr. Branker was unable to present the document to Passenger Terminal Expo in Paris due to corona virus cancellations worldwide.

Ms. Guzik noted that the newest version of the TSA Guidelines is well underway, with a partial draft expected in mid-May. The May/June version is being thinned to remove information already in other reference standards/documents and presentation/formatting being updated.

Dr. Wilkinson noted that the Safe Skies access card technology study has been published, somewhat downsized from previous expectations; and the exit lane study will likely not be finished until next year. The NSSA RFP for transition of access control systems has not yet been awarded and is to include the procurement process and not just the transition process as had been expected.

4. Document Distribution:

No changes.

5. Veriscan Presentation by Mr. Grasso (MWAA)

MWAA IT Dept which has created MWAA labs to develop a Veriscan facial recognition program for airports. MWAA has deployed a pilot at both airports – DCA and IAD, as well as other US airports as noted in the slide presentation (on the RTCA workspace). He noted that for international departures, typically 72 hours before ETD that a manifest goes to CBP, and ties into existing photo /visa or passport data if available.

Prior cost estimates of alternate systems were very high – up to 6 figs per gate and requiring lots of infrastructure at each gate. DCA was space constrained; IAD somewhat more space. MWAA decided to use an I-pad, mounted on articulated arm at podium. Veriscan is an MWAA product which only verifies the photo with manifest information -- it does not compromise the multiple air carrier boarding processes, and the airline can integrate its own content to the system.

More add-ons are under development, such as a workday integration system, which is not yet deployed while still working out some internal HR and Union aspects.

Mr. Hamilton noted that this may also fall under local jurisdictions that have biometric information privacy acts (like Illinois), some of which are under legal cases currently (like Facebook).

If done by a government entity it may be OK, but if for others such as time clock each state/locality varies greatly. Currently, Veriscan is only internal to MWAA for a solution, not general industry. MWAA does NOT work with a 3rd party.

Mr. Davis stressed this is internal to MWAA and has some marketability limitations; that's why MWAA Labs was set up for the various pilots, testing an contract – sold by MWAA, much like other countries (ADP, Frankfurt, others) to sell consulting services. Airports understand the market and the operational requirements better than vendors in his opinion.

6. DO-230K Discussion:

Mr. Hamilton reported that his Section 3 Biometrics, is currently pretty stable, with only a few updates on trends and tech advances. It has been updated to reference a more current report from NIST on facial testing, which reports massive gains in performance accuracy, the error rates are low enough to be much more functionally viable and dependable.

NIST finds facial is able to compare a full-frontal image to a side profile image. Hamilton reported that the recent industry meeting in January has developed a new international standard (now referenced in Sect 3) which describes process to evaluate image quality -- not matching the face, but the quality of data put into the algorithm - lighting, background, pitch/yaw, distortion - it gives a qualitative value assessment, not an output of false positive or false negative. (see post meeting discussion below)

Mr. Ferrell reported his integration section has no formal changes to review today but will be ready for review at the next meeting.

Similarly, Mr. Emden's procurement section has much rewrite underway, with a review ready sometime in May.

The Chair pointed out that the video and communications chapters have both lost their interim authors due to employment changes and he solicited replacements.

Mr. Suneborn reported that the access control section is currently quite stable, and an industry conference scheduled in March did not happen, so an opportunity was lost to talk with over 100 vendors. He also noted some movement on Federal standards - identity assurance; authentication assurance; federation assurance (validity of stored data). He does not envision much change in the next 230 documents. He advised that TWIC card holders will soon be automatically be enrolled in TSA pre-check.

Dr. Branker has begun a new cyber security section at a high level; not yet ready to report/review.

Mr. Kosatka and Dr. Branker defer their respective segments (Security Operations Center and Introduction, respectively) until a more complete and updated draft is ready, so that the most current changes throughout are considered.

Ms. Guzik has begun general formatting discussions with Ms. Hofmann.

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

June 18, 2020 – 70th Plenary

August 20, 2020 – 71st Plenary

8. **Summary of post meeting discussion on anti-spoofing: provided by Walter Hamilton.**

Anti-spoofing, or Presentation Attack Detection (PAD), is an important aspect in recent advancements in biometric technology. There is an international standard for conducting PAD testing called ISO/IEC 30107-3 (www.iso.org/standard/67381.html). There is at least one independent laboratory that is accredited by NIST under the National Voluntary Laboratory Accreditation Program (NVLAP) to conduct PAD detection of commercial biometric products (including face recognition). The company is iBeta out in Colorado (www.ibeta.com/biometric-testing/). At least one commercial face recognition product from a company called FaceTec (www.zoomlogin.com/) has been tested by iBeta with good results. Lots of progress in this area as well as in matching performance.

9. **Any Other Business:**

There being no other business the meeting was adjourned.

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Art Kosatka

Secretary

CERTIFIED as a true and Accurate summary of the Meeting

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Christer Wilkinson

Co-Chairman

-S-

Alan Paterno

Co-Chairman