

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

The sixty-second meeting of SC – 224 was held March 14, 2019 at RTCA, 1150 18<sup>th</sup> Street, N.W. Suite 910 Washington, D.C. 20036 and was attended in person and / or via telecom/ WebEx\*.

**Attendees included:**

Christer Wilkinson (Co-Chair)*	AECOM System Solutions
Art Kosatka (Secretary)	TranSecure Inc.
Djhanice “DJ” Neric (GAR)8	Federal Aviation Administration
Ann Barry*	Ross & Baruzzini
Jonathan Branker*	Federal Aviation Administration
Gary Davis	Metropolitan Washington Airports Authority (MWAA)
Suzanne Guzik*	CTI Consulting
Walter Hamilton	ID Technology Partners
Rebecca Morrison	RTCA, Inc.
Jeanne Olivier*	Port Authority of New York & New Jersey
Mike Pilgrim*	Dynamis
Nobuyo Sakata*	Aircraft Owners and Pilots Association
Boris Stefanov*	Aisthon
Colby Walker*	CTI Consulting

**SC-224 – Meeting No. 62**  
**(March 14, 2019 Meeting)**

**1. Welcome and Administrative Remarks**

Ms. Morrison 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.

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

The Summary for the January 17, 2019 meeting minutes was approved with minor corrections - we neglected to add the actions items from prior meeting.

### **3. TSA Report:**

TSA not in attendance, so no report available. Mr. Hamilton reported that Mr. Jason Lim is reviewing the Biometrics section to re-confirm references to 2012 TSA biometric study.

### **4. Document Distribution:**

RTCA DO-230 Documentation distribution status: ACI has agreed, AAAE has not; Ms. Olivier notes that she will chase the AAAE situation.

Passenger Terminal Expo - Dr. Branker and Dr. Wilkinson provided briefs on their planned attendance in London.

### **5. Report on the New Guidelines and Safe Skies Reports:**

Mr. Kosatka provided briefing on status of NSSA Access Control Report (imminent) and TSA guidelines RFP (also imminent).

### **6. DO-230J Discussion:**

Ms. Olivier suggested that the Perimeter chapter should address drones as a “breach” threat. Mr. Kosatka stated the strong case for scope creep, noting the general position that drones are an FAA airspace issue; not much an airport can do. Note reference above to pending NSSA drone guidance. Mr. Kosatka offered some assistance, but there is general agreement for brevity until an airport case can be made.

Mr. Pilgrim briefed on his progress with Chapter 10 – Procurement / acquisition, which has not been updated for a very long-time methods have changed. He will add (4) case studies and will confer with Mr. Zoufal for legal implications with state procurement. He is adding more cross references to other updated section -- CCTV, Bio, CBP -- (CBP 2018 update will go on RTCA site). Also training, system test, warranty, logistics, maintenance, sustainment, procurement cycles, implications for system design and requirements will be included. Many broken links in chapter; his draft to be posted by Monday.

Mr. Hamilton briefed on Chapter 3 - Biometrics with input from Mr. Davis (MWAA) and others adding many comments since last plenary. Among the issues discussed in detail:

- Where the biometric data lives in the reader – storage on the non-secure side of door – is not secure data
- Clarity that iris recognition is NOT retina scan - different illumination - retina very intrusive – never well accepted –
- Noted that access control is NOT a requirement for SIDA area – Mr. Kosatka and Ms. Guzik will provide boundary definitions for clarity contrasting SIDA with Secured Area, AOA, and Sterile areas.
- Discussion of Illinois Biometric Information Privacy Act (BIPA) and similar pending legislation in Washington state and Florida. These laws include private cause of action that attracts frivolous class action litigation – with many unintended

consequences. Airports should be aware. Mr. Hamilton will contact Mr. Zoufal to discuss implications of the Illinois statute.

- Action item: Will also call Mr Zoufal also regarding GDPR – foreign privacy issues flowing into US operations
- Facial recognition is becoming more common – for both access and surveillance - accuracy is MUCH better, more practical, but new vulnerabilities to hacking are being examined.
- 2012 TSA HSSAI study on biometric use in airports is referenced in the biometrics section – is it still available?? Delete if not – Jason Lim of TSA is checking
- Discussion of storing data and match on card in secure area of card; another vulnerability is to consider if the card could become a “Yes Card”.
- Match of Bio does NOT give you access – that’s in the PACS section for permissions.
- SEATAC with approx. 30k badges has implemented special PIN option when the person cannot provide a viable fingerprint biometric.
- For some biometrics, anti-spoofing and liveness detection issues have changed somewhat with new face photo “morphing” attacks and concerns that fingerprint, face and iris are not generally considered to be “secret” and therefore more easily spoof-able.
- Notes that new ISO standards for presentation attack detection and biometric vocabulary are now available at no cost to download; some new standards have been added.
- Added trends on spoofing, presentation attacks; morphing of photos (particular concern if photos are mailed in – face recognition would recognize both photo sources as legitimate).

Mr. Wilkinson briefed on behalf of Mr. Suneborn for PACS.

- Mr. Suneborn notes that 125 kHz proximity cards have been very slow to be replaced in the field with 13.56 MHz contactless smart card technology – which has been around a long time. Also, Wiegand less secure communication in PACS remains large.
- NIST has scrapped SP 800-157 relating to derived PIV credentials in mobile devices for reasons of poor performance. Mr. Hamilton will contact Mr. Suneborn for more background.

Mr. Colby briefed the committee on his review and planned updates to CCTV chapter (see section 6 presentation on RTCA site).

- Mr. Kosatka noted the importance of this, and other updates, to be carried forward in the expected NSSA / TSA Guidelines update, and such ancillary issues as access,

perimeter, communications, IT networks, acquisitions and many more be similarly updated and cross referenced.

- Many of the Guidelines chapters are created primarily as a condensed version of the source documents, and then referenced back to the original – in this case, DO-230 for the access control chapter.

Ms. Sakata of AOPA briefs on results of GA access survey:

- 264 airports with large GA operations
- 42% are Part 139
- 62% use FBO access controls
- Most airports Don't provide alternative access to GA
- Will review data again - will provide a more well-defined proposal for 230J issues

#### **7. Action Items:**

Ms. Guzik and Ms. Hofmann will coordinate a meeting to discuss format and management of DO-230J (which is scheduled to be completed by September 2019).

Follow up discussion between RTCA and AAAE for DO-230 distribution.

#### **8. Following Meetings:**

- May 9, 2019 – 63<sup>rd</sup> Plenary
- June 20, 2019 – 64<sup>th</sup> Plenary

#### **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

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Alan Paterno  
Co-Chairman