

August 16, 2010

Ms. Margaret Jenny
President
RTCA, Inc.
1825 L. Street NW, Suite 805
Washington, D.C. 20036

CHAIR

Ronald L. Peckham, P.E.
C&S Companies

Reference: Request to Establish RTCA Special Committee to Update DO-230B, *Integrated Security System Standard for Airport Security Access Control Systems*

VICE CHAIR

Terry A. Ruhl, P.E.
CH2M Hill

Dear Ms. Jenny:

On behalf of the Airport Consultants Council (ACC), I request that the RTCA Program Management Committee approve the establishment of a new special committee to update DO-230B, *Integrated Security System Standard for Airport Security Access Control Systems*.

SECRETARY/TREASURER

Courtney A. Beamon, P.E.
Delta Airport Consultants, Inc.

SC Leadership

We recommend **Dr. Christer Wilkinson** with AECOM System Solutions as the SC **Chair**, **Mr Ben DeLeon** with the Federal Aviation Administration as the SC **Designated Federal Official (DFO)** and **Mr. Art Kosatka** with TranSecure as the SC **Secretary**. These individuals served in the same capacities for the last update of this RTCA document and have all agreed to, once again, participate in these roles. Please see the attached information concerning the professional backgrounds of Mr. Wilkinson and Mr. Kosatka.

IMMEDIATE PAST BOARD CHAIR

Evan Futterman
Futterman Consulting, Inc.

Background

The American Association of Airport Executives (AAAE) and Airports Council International - North American (ACI-NA) agree with the need to update DO-230B and support the creation of this RTCA special committee. Many of the ACC member firms, including manufacturers, supplier and consultants also fully support this initiative.

We have contacted the Federal Aviation Administration (FAA), as indicated above, and have informed the Transportation Security Administration (TSA) of this request.

BOARD OF DIRECTORS

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Parsons Brinckerhoff

Andy Platz, P.E.
Mead & Hunt, Inc.

Solomon Wong
InterVISTAS

Deliverable & Timeline

An updated version of RTCA DO-230B, *Integrated Security System Standard for Airport Security Access Control Systems* will be the deliverable. The estimated completion date is June 2011.

Scope

Since the issuance of DO-230B there have been a number of changes to federal credentialing standards and standard practices at airports.

It is imperative that these changes be incorporated into DO-230B as soon as possible because the TSA document *Recommended Security Guidelines for Planning Design and Construction*, issued in June 2006, is currently being updated and needs to be able to refer its readers to an up-to-date version of the RTCA document.

PRESIDENT

Paula P. Hochstetler

Based on a review of the existing DO-230B document, a comprehensive overhaul is not required. Instead, a revised section/appendix/addendum that addresses the following

elements of the credential and smart card sections is warranted and will be the scope of this special committee:

- The definition of new forms of Personal Identity Verification (PIV) cards for non federal use as well as the PIV compatible and interoperable credentials.
- The Transportation Security Administration (TSA) decision not to continue work on their Aviation Credential Interoperable Solution (ACIS) at this time.
- Commencement of the Biometric Airport Security Interoperability Consortium (BASIC)
- Updates to several Federal Information Processing Standards (FIPS) 201 standards.
- The increased availability of Identity Data Management Systems (IDMS) and other credential products under the FIPS 201 product qualification scheme.
- Possibly other changes.

We thank the RTCA Program Management Committee for its past support of DO-230B and look forward to hearing from you concerning this proposal.

Sincerely,

A handwritten signature in black ink, appearing to read "Paula P. Hochstetler". The signature is written in a cursive style with some loops and flourishes.

Paula P. Hochstetler
President

cc. Mr. Ben DeLeon, FAA
Mr. Christopher Bidwell, ACI-NA
Mr. Carter Morris, AAAE
Mr. Christer Wilkinson, AECOM System Solutions
Mr. Art Kosatka, TranSecure

Christer Wilkinson, PhD

AECOM, Associate Vice president

Years of Experience 34

Education

PhD/Computer Science / 1973 / Victoria University of Manchester (UK)

MSC/Artificial Intelligence / 1971 / Institute of Computer Science, London (UK)

BSC/Economics/1970/London School of Economics (UK)

Affiliations

Member of the Association for Computing Machinery (ACM)

Airport Consultants Council (ACC)

American Association of Airport Executives (AAAE)

Fellow of the Royal Geographical Society (RGS)

Recent Publications

Air Transport Research Society 2007: "The Technical Challenges Facing Staff Access Control Systems at Airports"

Airport World March 1998, "Systems Integration: Technical Capability and Common Sense"

Airport World June 1997, Saudi Style: Architecture and Design

Airports International December 2001, "911: Airport Security Post September 11"

Airport Business magazine 2002, "Updating RTCA standards"

IEEE Carnahan Security Conference 2004, Airport Access control Standards

Airport Magazine July 2005, "A Moving Target: Access Control"

Air Transport Research Society 2006, "Access Control Implementation at Airports"

Air Transport Research Society 2010, "Biometric Access Control systems. Why so little progress?"

Summary

Dr. Wilkinson has been providing professional Information Technology and Security Systems design services for infrastructure facilities, including ports and airports worldwide, for more than 34 years.

Dr. Wilkinson has been actively involved in standards development for airport security for over 15 years. **He participated in the development of the first standard for airport access control systems in the United States,**

namely the RTCA standard DO 230 in 1994. He chaired its revision, DO 230A in 2002. He also served as committee chair for its second update, DO 230B, in 2006. Dr. Wilkinson was also on the board of governors of the Airport Consultant's Council and was chairman of the ACC DHS Legislative Committee, having been Security Committee chair for the period 2000-2004.

In addition he helped draft the FAA Security Construction Guidelines document in 2001 and was responsible for the access control system sections in its current update, started in 2006 and incorporating smart card technology with the PIV program that was commenced following Homeland Security Presidential Directive 12 (HSPD-12).

In addition to his regulatory expertise, Dr. Wilkinson's representative project experience includes security infrastructure and systems design for the new International Terminal at San Francisco International Airport; security system design for the American Airlines Terminal at John F. Kennedy International Airport; Boston Airport, Phoenix Sky Harbor airport, Austin Bergstrom airport, and Los Angeles International Airport.

Dr. Wilkinson's also provides comprehensive Risk and Vulnerability Assessments, including detailed reports delineating recommendations for risk management and threat mitigation with appropriate cost estimates for implementation of recommendations.

Internationally, Dr. Wilkinson has served as a consultant to the Airport Authority of Hong Kong; the New Seoul International Airport; Pudong International Airport, China; three Berlin Airports; Abu Dhabi International Airport; and Taipei Airport.

Dr. Wilkinson's recent project experience includes:

Austin-Bergstrom International Airport, Project Manager, Airport Security Access Control System. AECOM was the design consultant and construction administrator for the design of an airport-wide replacement security Access Control System (ACS) and Closed Circuit Television Systems at Austin-Bergstrom International Airport, operated by the City of Austin. Dr. Wilkinson was the project manager for this project.

American Airlines Terminal Redevelopment Project, John F. Kennedy International Airport, Jamaica, New York, 2002. AECOM was the prime design consultant for telecommunications and security systems in the new American Airlines International Terminal currently under construction at JFK International Airport. Dr. Wilkinson provided design consultancy services for the security and communication systems design for the new American Airlines terminal (8 and 9) at JFK.

Boston Logan Airport, Boston, Massachusetts, 2004-present. AECOM provided design and planning services in support of DMJM Harris in the design of security systems and communications infrastructure at Boston Logan Airport. Dr. Wilkinson provided biometric credential consultancy services.

Cleveland Hopkins International Airport, Cleveland, Ohio, 2002. Dr. Wilkinson participated in the design of the security systems, CCTV, passenger information displays, and public address system for the Cleveland Hopkins International Airport.

Gerald R. Ford International Airport (GRR), Grand Rapids, Michigan 2002-present. AECOM was the sole provider of planning and design services for security systems upgrades throughout the entire airport. As Project Manager, Dr. Wilkinson provided technical consulting and program management services for the design of a new access control and CCTV system at Gerald R Ford International Airport.

Los Angeles International Airport (LAX) California, 2006-present. As part of the Tom Bradley International Terminal (TBIT) project, Dr. Wilkinson provided technical consultancy services on the access control systems and CCTV replacement and upgrade.

Los Angeles International Airport (LAX) California, 2003-2005. As access control and monitoring system (ACAMS) Project Manager, Dr. Wilkinson managed and provided technical consultancy services on the access control systems component of the LAWA IT master plan project.

Los Angeles International Airport (LAX) California, 2002. As part of their planning exercise for an in line EDS system Dr. Wilkinson provided specialist system integration and security consultancy services to Los Angeles World Airports (LAWA).

Port Authority of New York & New Jersey, 2002. In cooperation with DMJM Harris Dr. Wilkinson provided consultancy services in the design of security gates and access control systems at Newark International Airport.

Port Authority of Puerto Rico 2003-2004. AECOM provided design and planning services in support of DMJM Harris in the preparation of marine facility security plans to support the new Marine security Requirements. Dr. Wilkinson was the project manager for this project.

Reading Regional Airport, Reading, PA, Security and Vulnerability Analysis, 2002. AECOM supported corporate affiliate DMJM Harris, with security and vulnerability expertise to conduct a field analysis of and prepare an assessment report for the Reading Regional Airport. Dr. Wilkinson provided a vulnerability, security, and technology analysis.

San Francisco International Airport, San Francisco, California, 2001. Dr. Wilkinson provided consultancy services in the final stages of the implementation of the security communications and special system for the new International terminal at San Francisco Airport.

Tucson International Airport, Tucson Arizona 2003. AECOM was the sole provider of security master planning and threat assessment services for the Tucson International Airport. Dr. Wilkinson supplied threat and vulnerability assessment consultancy services.

Van Nuys Flyaway Terminal, Los Angeles World Airports, Van Nuys, California. 2001 Dr. Wilkinson provided communications engineering consulting services for conceptual preliminary design, design development, cost estimates, construction documents, bidding and construction administration, and record drawings.



Art Kosatka, CEO

August 2010

Summary of Experience:

Mr. Kosatka has extensive depth and breadth of experience specifically in aviation security policy development, including both the governmental perspective of creating regulatory policy and the industry's practical requirement to implement the regulations in an operating airport environment. He has been actively involved in development of aviation security policy and regulations, first at the Airports Council International providing an industry perspective on operational requirements for security systems; and later at FAA and TSA in the Office of Civil Aviation Security Policy and Planning, creating the current regulatory structure for all commercial airports.

While in private industry, *he served as committee secretary for the development of the two most recent RTCA documents on standards for airport access control systems*. He is also currently leading a project to rewrite and update TSA's primary guidance on airport security planning, design and construction.

Currently as CEO of TranSecure Inc., an independent aviation security consultancy, his experience includes:

- *US State Department, Anti-Terrorism Assistance Program* – created and presented an ICAO-Annex 17 compliant training curriculum, “*Quality Control of Aviation Security*”.
 - *Kingdom of Saudi Arabia* – delivered tender packages for security upgrades at all 27 commercial airports in Saudi Arabia, including perimeter, access control, CCTV, baggage screening systems, and a security communications center in Jeddah.
 - *Airport Security Coordinator Training* – Provided Congressionally mandated ASC training of 750 people in 22 US cities.
 - *Security of International General Aviation* – Managed TSA project to harmonize U.S. security requirements of all international general aviation flights arriving in US.
 - *Security Technology Enhancement Program* – San Diego International Airport; Concept of Operations; technology analysis and recommendations
 - *Airport Security Programs* – Virgin Islands Port Authority – St Thomas and St Croix; Greensboro, Raleigh, Austin-Bergstrom, others.
 - *Airport Access Control Pilot Program (AACPP)*- Project lead -TSA product evaluation for access control and related technologies, including biometrics, at 20 US airports.
 - *Aviation Security Policy Specialist*, Office of Civil Aviation Security Policy & Planning, FAA and TSA
 - *Director of Safety and Security*, Airports Council International (ACI-NA). Principal industry spokesman on regulatory security and safety issues for North America airports
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- **Publications:**
 - “*Recommended Security Guidelines for Airport Planning, Design and Construction*”, considered industry standard for airport security. [June 2006]
 - “*Integrated Security System Standard for Airport Access Control* RTCA [2008]
 - “*New Concepts for Airport Terminal Landside Facilities*”; and “*Airport Passenger Terminal Planning Guidebook*”— ACRP– security chapters for both [2007-2008]

- *McGraw Hill Homeland Security Handbook* [2005] “Civil Aviation in the United States Before and After 9/11” (with RAdm. C. Flynn)
- *McGraw Hill Handbook of Airline Economics*” – “Economics of Aviation Security”
- *“CyberSecurity of Freight Information Systems”* National Research Council [2003]

- **Other Experience:**
 - FAA Team to Beijing, instruct Chinese Airport Managers on Airport Certification and Operations.
 - Credentialed FAA Special Agent, special security inspections of airports nationwide
 - Director of Aviation, Counter Technology Inc., International Security Consulting
 - Managed “Red Team” Security Assessment Project for Port Authority of New York and New Jersey airports (JFK, LGA, EWR), Atlanta Hartsfield, and Boston Logan.
 - Project Manager, Federal contract to perform 1,471 security vulnerability assessments of various government facilities (on time and under budget)
 - Vulnerability assessment and design for new US Department of Justice data center
 - Vulnerability assessment for Federal HQ facilities at 2002 Winter Olympics, Salt Lake City
 - Congress of the United States, legislative staff, US Senator, two US Representatives
 - TDY White House, international advance team for Economic Summit, Tokyo, Japan.

- **Professional Associations**
 - Security Committee , Airport Consultants Council – Chairman, 3 consecutive terms
 - Steering Committee, Public Safety & Security Committee, Airports Council International
 - Security Committee, American Association of Airport Executives
 - Aircraft Owners and Pilots Association
 - VP of Congressional Flying Club, US Congress