



To SAI Subcommittee
Software Metrics Working Group

Date April 28, 2017

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Reference 17-999/SMA-009 lth

Subject **Meeting Announcement**
Software Metrics Working Group

Chairman Reinhard Andreae, Lufthansa

When **July 18-20, 2017**
Tuesday and Wednesday from 0900 to 1700 each day
Thursday from 0900 to 1300

Where **Hilton Garden Inn Annapolis**
305 Harry S. Truman Pkwy
Annapolis, Maryland 21401, USA
tel: 1-410-266-9006
fax: 1-410-266-8433
<http://hiltongardeninn3.hilton.com/en/hotels/maryland/hilton-garden-inn-annapolis-BWIANGI/index.html>

Hotel The group rate for this meeting is \$112.00 per night. Please book your room before **July 1, 2017**. Should you have any difficulties obtaining the preferred rate, please contact Charlene Schutte at 1-410-266-9006, Charlene.Schutte@Whitelodging.com.

Instructions Please notify the ARINC Industry Activities staff of your intention to attend by registering online at: <http://www.aviation-ia.com/events/>
The meeting is open to all interested parties. Individuals requesting time on the agenda should contact Paul Prisaznuk. The agenda will be finalized one week prior to the meeting.

Meeting Objectives

Software Metrics Working Group Meeting in Annapolis

The Software Metrics Working Group will meet to develop software reliability metrics for avionics systems and associated software. The goal is to define measurable parameters that can be used to improve the reliability and overall performance of avionics systems. This is inclusive of software used in Aircraft Control (AC), Airline Information Systems (AIS), and Passenger Information and Entertainment Systems (PIES) domains. APIM 16-001 provides detail.

Two-step Development Process

The Software Metrics activity is divided into two phases: a discovery phase and a standards development phase as follows:

Phase 1: “Define the Problem Space” – December 2017

- Investigate categories of software failures to monitor, define potential software quality metrics, and agree to the scope of the proposed standard.
- Phase 1 will identify the proposed metrics and provide recommendations as to how they might be captured.
- APIM 16-001 will be updated at the end of Phase 1 – status report provided to AEEC Executive Committee.

Phase 2: Prepare the ARINC Standard – post 2017

Invitations to Make Presentations

Written inputs to this meeting are invited. Should your organization wish to schedule time on the agenda, please contact Paul Prisaznuk before July 7, 2017.

**Travel
Information**

Baltimore-Washington International (BWI) is the closest airport to Annapolis. Washington Dulles (IAD) has international connections. Washington Reagan National (DCA) is another airport in the region. Directions for each are included below.

Baltimore-Washington International (BWI)

The Hilton Garden Inn is approximately 20 miles south of BWI airport. Exit the rental car facility on New Ridge Road. Turn right on Stoney Run Road, and then make a left onto Aviation Boulevard (Route 170). Turn left at intersection of Route 170 and Dorsey Road, Route 176. Follow Dorsey Road to I-97 south, direction of Annapolis and Bay Bridge. Take I-97 south to Annapolis until I-97 merges with Route 50. Use Exit 22 – Riva Road.

Follow signs to Riva Road. Turn right at the light onto Riva Road. At the second light, turn left onto Harry S. Truman Pkwy. The Hilton Garden Inn is located on the left.

Washington-Dulles International (IAD) – (International Connections)

The Hilton Garden Inn is approximately 60 miles from IAD. Take the Washington Dulles Access Road east (Route 267) toward Washington D.C. and exit on I-495 North, Capital Beltway. Drive 20 miles to US 50 east and follow signs to Annapolis. Continue on Route 50 east to Exit 22, Aris T. Allen.

Follow signs to Riva Road. Turn right at the light onto Riva Road. At the second light, turn left onto Harry S. Truman Pkwy. The Hilton Garden Inn is located on the left.

Washington Reagan National (DCA)

The Hilton Garden Inn is approximately 35 miles from DCA. Exit north onto the George Washington Memorial Parkway and take I-395 north across the Potomac River. Stay on I-395 and follow signs to I-295 north. exit on Route 50 east to Annapolis. Continue on Route 50 east to Exit 22, Aris T. Allen.

Follow signs to Riva Road. Turn right at the light onto Riva Road. At the second light, turn left onto Harry S. Truman Pkwy. The Hilton Garden Inn is located on the left.