



To SAI Subcommittee **Date** June 17, 2020
Weather Radar Working Group

From P. J. Prisaznuk **Reference** 20-999/SMA-178 kpp
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Subject Meeting Announcement
Weather Radar Working Group Meeting

Chairman Mohammed Ahmed, Boeing

Host ARINC Industry Activities

When Thursday and Friday, July 16-17, 2020

Meeting schedule is as follows:

Meeting Times	US Pacific	US Eastern	Central European
Start	0600	0900	1500
Break	0800	1100	1700
Re-Convene	0900	1200	1800
Adjourn	1100	1400	2000

Where This meeting will be 100% virtual. Details to be provided.

Instructions Please notify the Industry Activities staff of your intention to attend by registering online at: <https://www.aviation-ia.com/events>.

This meeting is open to all interested parties. Individuals requesting time on the agenda should contact Paul Prisaznuk before July 15, 2020. The agenda and web conference instructions will be distributed one week prior to the meeting.

Activity Scope The Weather Radar Working Group will define a new federated weather radar system for new aircraft type design using remote RF components and advanced antenna design using Electronically Scanned Array (ESA).

Meeting Objectives

Weather Radar Working Group Meeting

The working group will review the latest draft **ARINC Project Paper 748: *Airborne Weather Radar with Advanced Antenna Technology***. This activity is authorized by APIM 19-008A.

- Define form, fit, and function of Weather Processor Unit (WPU)
- Define Weather Radar Antenna Unit (WRAU) using Electronically Scanned Antenna (ESA) technology
- Leverage ARINC 708A and ARINC 768 weather radar definitions where applicable

The objectives of this new weather radar are to support new aircraft designs, to achieve supplier system interchangeability, and to provide common installation solutions.

The goal of the meeting is to reach consensus on the content intended for inclusion in ARINC Project Paper 748. A mature document is expected to emerge in May 2021.