



To	CDS Subcommittee	Date	November 22, 2024
From	Mark Magee Mark.Magee@sae-itc.org	Reference	24-999/SMA-395 jlg
Subject	Meeting Announcement Cockpit Display Systems (CDS) Subcommittee, Milan, Italy		
Chairs	Brian Gilbert, The Boeing Company Sofyan Su, Airbus		
When	March 31 – April 3, 2025, from 0900 to 1700		
Host	PACE		
Where	TXT e-Solutions S.p.A Via Milano, 150, 20093 Cologno Monzese MI, Italy https://maps.app.goo.gl/XpAnPCayCDkRNphs5		
Security	Meeting attendees must provide the following information to Matt Jackson at matt.jackson@pacelab.com before March 15, 2025 to be allowed access to the PACE facilities. <ul style="list-style-type: none">• Name• Nationality• Email		
Hotel	<i>Welcome to Hotel Studios - Cologno Monzese</i> Viale Europa, 56 20093 Cologno Monzese (MI) - Italy <i>Approx 7 minute walk</i> <i>Hotel Sporting Cologno - Hotel Sporting Cologno</i> Via Felice Cavallotti, 141, Cologno Monzese (MI), 20093, Italy <i>Free parking. Approx 15 minute walk to the office</i> <i>AA Hotels - Hotel Agape Milano</i> Via Flumendosa, 35 Milano <i>Public transport or car. Green Line Metro Crescenzago Metro Station</i>		

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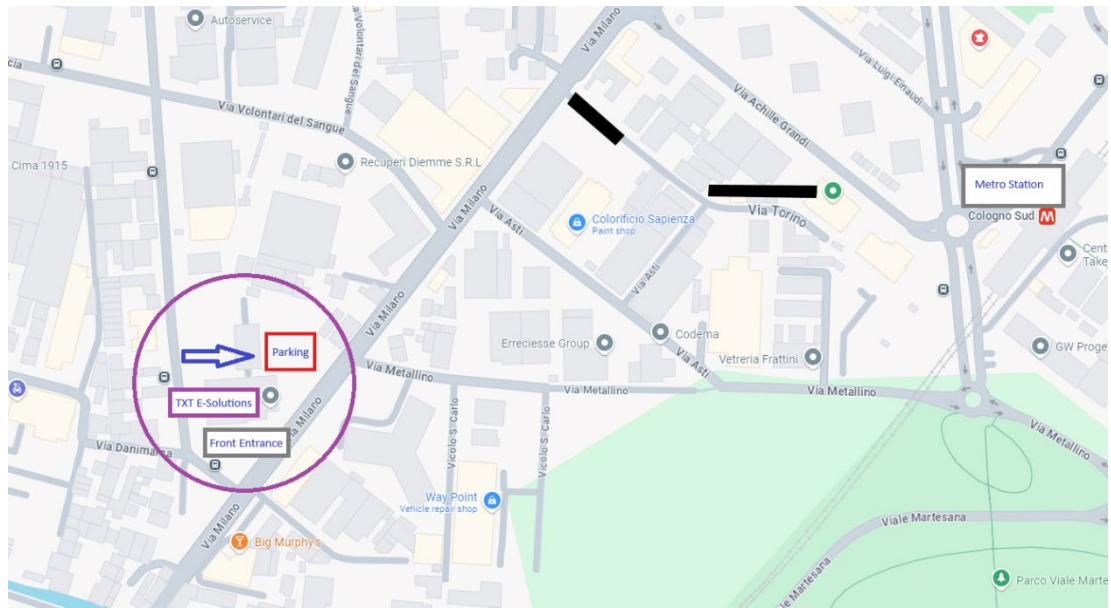
Travel Information

Milan has two airports:

- **Milan Malpensa International Airport** – Approximately 45 minutes by car or 1.5 hour by public transport to the meeting location
- **Milan Linate City Airport** - Approximately 10 minutes by car or 1.25 hour by public transport to the meeting location

The M2 – Green Metro line will provide access to the nearest metro in proximity to the office. The nearest stop is Cologno Sud.

Car parking at the Office is available at the rear of the building with easy access and plenty of space. (See Map)



Parking with hotels can be difficult. Facilities often have tight entrances so please check with your hotel if you intend to drive.

Instruction

Please notify ARINC Industry Activities of your intention to attend by registering online at: <https://aviation-ia.sae-itc.com/forms/meeting-registration-form>

The meeting is open to all interested parties. Individuals requesting time on the agenda should contact Mark Magee. Any material intended to be circulated prior to the meeting should be submitted before February 15, 2025. The agenda will be finalized one week prior to the meeting.

Activity Scope

The Cockpit Display Systems (CDS) Subcommittee develops **ARINC Specification 661: Cockpit Display System Interfaces to User Systems**. ARINC 661 defines a Graphical User Interface (GUI) for displays and defines GUI objects.

This guidance and requirements are documented in **ARINC Specification 661: Cockpit Display System Interfaces to User Systems, Part 1, Avionics Interfaces, Basic Symbolology, and Behavior** and **ARINC Project Paper 661: Cockpit Display System Interfaces to User Systems, Part 2, User Interface Markup Language (UIML) for Graphical User Interfaces**.

Meeting Objectives

The subcommittee will begin drafting **Supplement 10 to ARINC Specification 661: Cockpit Display System Interfaces to User Systems, Part 1, Avionics Interfaces, Basic Symbolology, and Behavior** and **Supplement 2 to ARINC Specification 661: Cockpit Display System Interfaces to User Systems, Part 2, User Interface Markup Language (UIML) for Graphical User Interfaces**.

The subcommittee will review action items including the following; **Supplement 10 to ARINC Specification 661: Cockpit Display System Interfaces to User Systems, Part 1, Avionics Interfaces, Basic Symbolology, and Behavior**.

- 20-01: Super Layer formalization
- 20-17: Map3D parking lot items
- 20-20: Dimming
- 21-05: Add new run-time parameters for "packed arrays", i.e., being able to set multiple indices with one structure
- 23-01: Formalize global picture and symbol tables
- 24-05: New extension for Map3D screen reference point/Asymmetric FoV
- 24-06: Consider an extension to help with letting the CDS know that array parameter updates are coming
- 24-07: Symbol definitions and/or Gp widgets for 3D shapes
- 24-08: More general MapItem list command and symbol collector
- 24-09: Missing WordWrapExtension for widgets
- 24-10: Errata White Paper
- 24-11: Model capacities and definition for MapItems and look definition function references
- 24-12: Conflict on runtime message ID between CheckButton and PictureExtension
- 24-13: UACDS Interface for MapItems buffer proposal
- 24-15: Distributed Menus
- 24-16: Fencing/Bounding Box Widget

The subcommittee will review action items, including the following; **Supplement 2 to ARINC Specification 661: Cockpit Display System Interfaces to User Systems, Part 2, User Interface Markup Language (UIML) for Graphical User Interfaces**.

- 17-22: Advanced Text Primitive
- 17-27: Simple sample for each primitive
- 20-05: CustomPrimitive standard XML tag
- 23-11: CoreId Clarification
- 24-04: Range Check Clarification
- 24-06: Imagine Primitive Additional Effects
- 24-08: RadioBox
- 24-09: Shared Data Model
- 24-13: Clarify Or Review the State Machine Initialization Mechanism

cc

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