

Cabin Systems

(CEI / 3GCN / 4GCN/ SI / CC)

Meeting Agenda

May 19-21, 2015

Bruges, Belgium

*Dale Freeman, DAL, Chairman
Gerald Lui-Kwan, Boeing, Co-Chairman
Rolf Gödecke, Airbus, Co-Chairman*

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Cabin Systems Meeting Agenda

▶ Introductions

- Special Notes
 - ▶ Intellectual Property (Patent & Copyrights)
 - ▶ APIM Guidelines
 - ▶ Members and Corporate Sponsors
- Acceptance of Previous Meeting Report (15-058/CSS-559)
- Current Drafts
 - ▶ Draft 3 of Supplement 1 to ARINC 832 - New
 - ▶ Draft 2 of Supplement 4 to ARINC 628 Part 9
 - ▶ Draft 1 of Supplement 1 to ARINC 800 Part 3 - New
 - ▶ Draft 1 of Project Paper 800 Part 4 - New
- Working Papers Identification
 - ▶ Boeing Comments for Melbourne Meeting Report (PP820, 10 GBE, PP836A)
 - ▶ CSS Presentation for 2015 AEEC General Session
 - ▶ Current CSS Program
 - ▶ 800P2_Amphenol-Thales Strawman for 30-23 Insert
 - ▶ 800P2_Thales updates to 30-23 Requirements Matrix
 - ▶ 845_Thales comments on Expanded Beam termini
 - ▶ 820_Thales comments on Boeing strawman

Objectives

- ▶ Report from 2015 AEEC General Session
- ▶ Review of Current CSS Program
- ▶ Connectors and Cables
 - Supplement 1 to A800 Part 2 (Specification of Connectors)
 - Supplement 1 to A800 Part 3 (Specification of Cables)
 - Design Concepts for 10 GbE Contact
 - Draft 1 of PP800 Part 4 (Ethernet Testing)
 - Fiber Optic Connectors
- ▶ Close Action Items - A628 Part 0
- ▶ Guidance for Seat Production Testing
- ▶ Draft 3 of Supplement 1 to A832 (Copper/FO Hybrid)
- ▶ Close Action Items – A628 Part 1
- ▶ Project Paper 820 (Wireless Networks)
- ▶ Supplement 4 to A628 P9 (Cabin Information Network)
- ▶ ARINC 664 Part 2 (10 Gb Ethernet)
- ▶ 10 GbE – ARINC 664 Part 2
- ▶ CSS/CWG/FOS Joint Session
- ▶ Agenda and Location for Next Meeting

Tuesday, 9:00 AM – 5:00 PM

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| <ul style="list-style-type: none"> ▶ Report from 2015 AEEC General Session ▶ Current CSS Program ▶ Connectors and Cables <ul style="list-style-type: none"> – ARINC 800, Part 2 (Specification of Connectors) <ul style="list-style-type: none"> ▶ Add diameter range for 22, 24, and 26 AWG wire for data interconnect (A800P2-71) ▶ Verify voltage range, dielectric max voltage, and max current for 30-23 RM (A800P2-72) ▶ Provide Strawman definition for 30-23 insert and contact (A800P2-76) ▶ Validate the requirements matrix versus IEEE 802.3at POE requirements (A800P2-77) ▶ Develop a strawman that includes the 30-23 insert (A800P2-78) – ARINC 800, Part 3 (Specification of Cables) <ul style="list-style-type: none"> ▶ Propose values for transfer impedance relative to shield effectiveness (A800P3-10) ▶ Compile electrical requirements proposed by TEC for 10Gb (A800P3-11) ▶ Develop a section in A800P3 for 10Gb cabling (A800P3-12) ▶ Review section 4.1.4 A800P3 and provide comments (A800P3-13) – 10 GbE Contact <ul style="list-style-type: none"> ▶ Update testing/development - 24AWG/26AWG oct contact – Review Draft 1 of PP800, Part 4 (Cable Testing) <ul style="list-style-type: none"> ▶ Develop a draft of A800P4 for review at the next meeting (A800P4-6) – Fiber Optic Connectors (PP845 and PP846) <ul style="list-style-type: none"> ▶ Provide use cases for implementation of MT termini (CWG-11) ▶ Distribute the latest draft of A845 to IFES suppliers (CWG-13) ▶ Determine whether their FO xcvs are compatible with A845 termini (CWG-14) ▶ Close Action Items - ARINC Specification 628 Part 0 (Overview) <ul style="list-style-type: none"> – Add references to the Ku/Ka Band and GAIN TWG and SCs (A628-P0-5) – Develop circulation draft and release for review (A628-P0-6) | <p>Delta/IA
 Delta/IA
 All
 CWG
 Thales
 Thales
 Thales/Amp
 CSS
 IA
 CWG
 Airbus
 Boeing, TEC
 IA
 CSS
 CSS/CWG
 Suppliers
 Boeing
 Boeing/IA
 CSS
 Airbus/Thales
 IA
 IFE Suppliers
 CSS
 IA
 IA</p> |
|--|--|

Wednesday, 9:00 AM – 5:00 PM

- ▶ **Guidance for Seat Production Testing (Project Initiation)**
 - Provide a revised version of the scope and goals for the project paper. (ST-01))
 - Present current processes are for seat testing (ST-02)
 - **Develop Document Outline, Select Industry Editor**
- ▶ **Review Draft 3 of Supplement 1 to A832 (copper/FO hybrid)**
 - Proposal for connector placement on the CNU. (832-165)
- ▶ **Close Action Items - ARINC 628 P1 (CWAP)**
 - Revise Attachment 18 to incorporate changes to the wiring to the DOM (628P1-192)
- ▶ **Project Paper 820 (Wireless Network)**
 - Review proposed strawman and provide comments (820-2)
- ▶ **Review of S4 to A628, Part 9 (Cabin Information Network)**
 - Incorporate changes provided by Panasonic into review draft for next meeting (A628P9-7)
 - Review Section 2.2 and references for viability in current day systems (A628P9-8)
 - Is IP subnet for Independent Seat Devices (172.18.0.0/16.) being used? (A628P9-9)

CSS
Panasonic
Zodiac, BEA
CSS
Airbus
Airbus
CSS
IA
CSS
Suppliers
CSS
IA
CSS
CSS

Thursday, 9:00 AM – 12:00 PM

- ▶ **ARINC Project Paper 836 (Mini-MRP)**
 - Provide strawman revision 3 to IA (836-36)
 - Provide Strawman 3 for review at next CSS meeting (836-37)
- ▶ **ARINC Specification 664, Part 2 (10 Gb Ethernet)**
 - 10 Gbe Matrix - POE power compared to the IEEE specification (CWG-10)
 - Develop first draft of supplement 3 for 10 GbE requirements (664P2-4)
 - Prepare briefing to FOS for updates to A803 and A804 (664P2-5)
 - Propose revision to ARINC 664 Part 2 Appendix I for 26 AWG (664P2-6)
- ▶ **Discuss agenda and locations for next meetings**
- ▶ **Adjourn CSS**

CSS
Airbus
IA
CSS
AB/B/Thales
Boeing
IA/Lumexis
Boeing
All

2015 CSS Meetings Planning (Tentative)													
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CSS S/C		9-11 Melbourne			19-21 Bruges			25-27 Spokane			TBD		
Connector WG		Same as CSS			Same as CSS			Same as CSS			Same as CSS		
Ku/Ka SatCom SC	20-22 Cocoa Beach					16-18 Montreal				20-22 Thousand Oaks, CA			
GAIN S/C				No Meetings Planned									
NIS		10-12 Melbourne				9-11 Ventura, CA							
FOS		11-13 Melbourne				9-10 Gettysburg, PA							
SAI		4-6 Coral Gables				16-18 Frankfurt			21-22 Seattle				
APEX					12-13 TC Universal City, CA				28-1 Oct Expo Portland, OR		17-18 TC Newport Beach, CA		
AEEC				27-30 General Session Prague					23-24 Mid-Term Session Seattle				