

CSMIM Workshop Report Out

Agenda :

Day 1: Tuesday April 20, 2021

- Definitions/Architecture Overview – Airbus (1 hr)
- Data Model – iCabin (1 hr)

Day 2: Wednesday April 21, 2021

- Commissioning Services - Boeing/HCL (1 hr)
- Sleep Devices & group communication – HCL (1hr)

Day 3: Thursday April 22, 2021

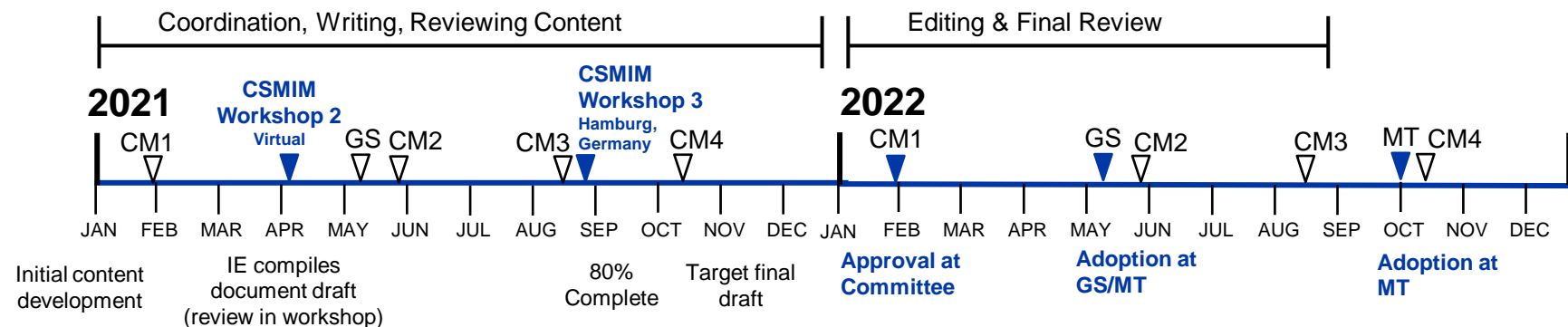
- Network protocols/guidelines – BAE (1 hr)
- Continuation/overflow topics (if needed)

Accomplishments:

- First compiled rough drafts for:
 - Part 1 Media Independent Messaging
 - Part 2: Interoperability Interface Definition
- 3-Day Virtual Workshop to review draft

Next Steps for working group meeting:

- Way forward for sleepy device & group communication (5/6)
- Data Load – Boeing (Kevin/Ethan)
- Security Approach – Steve/Sanjay
- Semantic Ontology/Knowledge Base
- Network performance



Part Descriptions

PART 0: Overview

Overview, definitions, & system architectures

PART 1: Media Independent Messaging

Defines application messaging structure and data model (CoAP/MQTT and payload)

PART 2: Interoperability Interface Definition

Standard and best practices for mediums (IEEE 802.3/802.11/802.15.4)

PART 3: Knowledge Base & Tools

Aviation semantic ontology for cabin commodities, supplier knowledge bases, and system integration tools

PART 4: Unique Requirements for Zero-Trust Architectures

Requirements, best practices for zero-trust architectures and safety related applications (RTCA WAIC)

Release
1

2022

Release
2

TBD