# CDDS Telecon/Teams, 22nd of January 2025

# Attendees and Distribution

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# Overview

WG is now formally created

EB: Create projects on CWE for the GB and the BB

# Concept Book

* Author: HD
* Contributors: EB, JL, JJ
* Schedule: Complete draft for Spring Meeting 2025

Draft of cloud consideration have been produced by HD. EB has commented to add some considerations like

* Legal Considerations
  + Perhaps we could put some pointers to known cases
  + Rather short
  + Tagging of data to tie to access management, ownership and responsibility
    - Messages (Files) may have a tag with a ‘User ID’
* Cloud Point of Presence and Ground Station location
  + The trick is to have the PoP close to station
  + Backup of comms lines
* Scalability and Costs

**Action JJ:** Draft a text with some legal considerations.

In Fall 2024 the CDDS BOF decided to have Annexes to *illustrate* CDDS Service implementations

* Conceptually
  + Message streaming
  + RPC style
  + File transfer (upload)
* Concrete technology – make clear these are example technologies
  + Kafka
  + MQTT
  + gRPC
  + AWS multipart file upload
  + Others

Have a look at the GB, the restructuring has been done: [https://spacecomm.sharepoint.com/sites/CSS/Shared Documents/CSS-CLOUD/Draft Documents/ConceptBook/1020x0g0-draft-1.docx](https://spacecomm.sharepoint.com/sites/CSS/Shared%20Documents/CSS-CLOUD/Draft%20Documents/ConceptBook/1020x0g0-draft-1.docx)

# Blue Book

* Author: HD
* Contributors: JL, JJ, EB
* Prototypes: Marshall and JPL
* Schedule: Draft BB until Fall 2025

In the Fall 2024 the recommendation (Costin) for the BB was to organize messages and file definitions in domains (TM, TC, Monitoring etc.). I would like the WG to confirm or refine the suggested Domains:

* Telemetry
* Telecommand
* Ground Station Monitoring
* Radiometric Data

In general, the plan would be to formalize in the BB the chapters 6 and 7 from the GB. TOC:

* Introduction
* Description of Cloud Data Delivery
* **Message Formats**
* **File Formats**

# Prototypes

* Test plan
* Test the data type definitions
* What sort of cloud computing technologies will we use for that
  + What about defining a draft service for test purposes – we may look at MOIMS
* Time is a concern, we should be fast

# Next Steps

* The WG members will continue to review the book
* HD: Complete GB draft
* HD: Get BB document number. Template is there.
* Create TOC for BB
* EB: Generate the draft project definitions

# AOB

* Next telecon is March 12th – final call for GB comments
* We may decide on a telecon in May, Spring Meeting is most likely second week of June