MARS – Middleware And Related Services

- **Highlights from this Meeting:**
  - REST for CORBA: recommended for adoption
  - Space Telecom Interface (STI) for Software Defined Radios (SDR): recommended for adoption
  - Linked Encrypted Transaction Streams (LETS) RFP: recommended for issuance
  - Disposable Self Sovereign Identity (SSID) RFI: recommended for issuance
  - *The State and Future of Cyber Insurance* DP: approved for publication
  - Status report from Cloud Working Group on in-process and future Discussion Papers
  - Joint meeting with BC PSIG
    - Made final edits on the Disposable SSID RFI
    - Received update on the IOTA Protocol RFC
    - Reviewed emerging DIDO Reference Architecture 3.0 Discussion Paper

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- **Highlights from this Meeting (continued):**
  - Reviewed initial report from FACE Interop Team
  - Reviewed current DDS PSIG roadmap
  - Extended DDS TSN to 22 February 2021 (March meeting)
  - Extended TCP/IP PSM for DDS to 17 May 2021 (June meeting)
  - IDL, IEF, SNC, and CORBA WGs met.
    - CORBA WG: met jointly with the FACE Interop Team, provide coordinated approach to FACE Interop
    - IDL WG: Planned for a new IDL4 mapping (Python) and addressed RTF issues.
    - SNC WG: Focused on the STI for SDR submission (issue with XMI model)
    - IEF WG: Reviewed status of the IEF effort

- **Deliverables from this Meeting:**
  - Technology Adoption Recommendation(s)
    - REST for CORBA
    - STI for SDR
  - RFP/RFI/RFC Recommendation(s)
    - LETS RFP
    - Disposable SSID RFI
  - TF Documents Issued
    - *The State and Future of Cyber Insurance* Discussion Paper
- **Future Deliverables (In-Process):**
  - Technology Adoptions
    - DDS C# API: revised submission, 22 Feb 2021
    - DDS-TSN: revised submission, 22 Feb 2021
    - IEF Policy Based Packaging Service (IEPPS): revised submission, 22 Feb 2021
    - TCP/IP PSM for DDS Interoperability: revised joint submission, 17 May 2021
    - IDL4 to C++ Mapping: initial submission, 22 Feb 2021

- **Future Deliverables (In-Process) continued:**
  - RFP/RFI/RFC Recommendations
    - IOTA Protocol RFC (issue in 2021 Q2?)
  - TF Documents
    - IEF Ecosystem of Interoperability Discussion Paper (draft in 2021 Q3?)
    - Cloud WG Discussion Papers,
      - Cloud Bibliography (email vote soon)
      - First draft of Data Governance (publish in 2021 Q1?)
    - DIDO Reference Architecture 3.0 (publish in 2021 Q1?)

- **Liaisons**
  - None

- **Agenda Items for the Next Meeting**
  - Review initial submission: IDL4 to C++ Mapping
  - Review revised submissions:
    - DDS-TSN
    - DDS C# API
    - IEF Policy Based Packaging Service (IEPPS)
    - TCP/IP PSM for DDS Interop
  - Receive update from the FACE Interoperability Team
  - Review Cloud WG Data Governance Discussion Paper
  - Review requirements for two new RFPs
    - DDS Service Based Discovery
    - IDL4 to Python Language Mapping
  - Joint with BC PSIG:
    - IOTA Protocol RFC: review next draft
    - DIDO Reference Architecture 3.0: review for publication
    - DIDO Command Line Interface (CLI): update and possible demo
  - Continue collaboration with BC PSIG, Cloud Working Group, FACE Consortium
  - MARS WGs and teams to meet: IDL, IEF, SNC, CORBA, FACE Interop Team