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