MARS – Middleware And Related Services

• **Highlights from this Meeting:**
  – Reviewed Draft IDL4 to C++ Language Mapping RFP, recommended for issuance
  – Reviewed Initial Submission of DDS C# API
  – Received Status update on Space Telecommunication Interface (STI) for SDRs
  – Received presentation on FACE TSS relationship to DDS and CORBA
    • Decided to form a Team to investigate interoperability with FACE TSS v3.0
    • Potential output: a Discussion Paper
  – Joint meeting with BC PSIG
    • Reviewed next draft of Linked Encryption Streams (LETS) RFP
    • Presentation on proposed Self-Sovereign Identity RFI: discussed purpose and intended content
    • Presentation on future IOTA Protocol RFC: discussed plans for issuance
    • Discussed plans for DIDO Reference Architecture 3.0 Discussion Paper
MARS – Middleware And Related Services

• Highlights from this Meeting:
  – Extended STI for SDR to 9 November 2020 (December meeting)
  – Extended IEPPS to 22 February 2021 (March meeting)
  – Issued RFP for IDL4 to C++ Language Mapping
  – IDL, SNC, CORBA WG met
    • CORBA WG: prepared presentation for MARS Thursday morning plenary
    • IDL WG: Discussed and resolved all open issues for the IDL4 to C# mapping FTF
    • SNC WG: Reviewed and addressed comments from AB on STI for SDR submission
• **Deliverables from this Meeting:**
  – Technology Adoption Recommendation(s)
    • None
  – RFP/RFI/RFC Recommendation(s)
    • IDL4 to C++ Language Mapping RFP
  – TF Documents Issued
    • None

• **Future Deliverables (In-Process):**
  – Technology Adoptions
    • DDS C# API: revised submission, 22 Feb 2021
    • DDS-TSN: revised submission, 09 Nov 2020
    • IEF Policy Based Packaging Service (IEPPS): revised submission, 22 Feb 2021
    • REST for CORBA: revised submission 09 Nov 2020
    • STI for Software Defined Radios (SDRs): revised submission, 09 Nov 2020
    • TCP/IP PSM for DDS Interoperability: revised joint submission, 09 Nov 2020
• Future Deliverables (In-Process) continued:
  - RFP/RFI/RFC Recommendations
    • IOTA Protocol RFC (issue in 2021 Q1?)
    • Linked Encryption Transaction Streams (LETS) RFP (issue in 2020 Q4?)
  - TF Documents
    • IEF Ecosystem of Interoperability Discussion Paper (draft in 2021 Q3?)
    • Cloud WG Discussion Papers,
      - Cloud Bibliography (Issue 2020 Q4?)
      - First draft of Data Governance and/or Cyber Insurance for Cloud Service (Issue 2021 Q?)

• Liaisons
  - None
• **Agenda Items for the Next Meeting**
  
  – Review revised submissions:
    
    • DDS-TSN
    • STI for SDRS
    • TCP/IP PSM for DDS Interop
    • REST for CORBA
  
  – Receive first report from the FACE Interoperability Team
  
  – Review Cloud WG Discussion Papers
    
    • Cloud Bibliography
    • Potentially first drafts of Data Governance and/or Cyber Insurance for Cloud Service
  
  – Joint with BC PSIG:
    
    • Self-Sovereign Identity RFI: presentation
    • IOTA Protocol RFC: review draft
    • Linked Encrypted Transaction Streams (LETS) RFP: review and issue
    • DIDO Reference Architecture (RA) 3.0: presentation on next version
    • DIDO Reference Implementation (RI) and Data Model: present updates on both
  
  – Continue collaboration with BC PSIG, Cloud Working Group, FACE Consortium
  
  – MARS WGs and teams to meet: IDL, HPEC, IEF, SNC, & CORBA WGs; FACE Interop Team