MARS – Middleware And Related Services

- **Highlights from this Meeting:**
  - DIDO Reference Architecture (RA) 3.0 Discussion Paper: reviewed and recommended for publication
  - IDL4 to C++ Language Mapping RFP: reviewed initial submission/ extended to Nov 8, 2021 (December meeting)
  - DDS-TSN RFP: status update / extended to Nov 8, 2021 (December meeting)
  - TCP/IP PSM for DDS Interop: status update / extended to Feb 21, 2022 (March meeting)
  - Linked Encrypted Transaction Streams (LETS) RFP: status update / reopened the process
  - Disposable Self-Sovereign Identities (SSID) RFI: extended response deadline to Sept 13, 2021
  - DDS Service-based Discovery RFP: discussed requirements and need
  - IDL4 to Python Language Mapping RFP: reviewed draft RFP
  - Cloud Working Group: discussed future plans
  - Received impromptu introduction to Open Civic Architecture Framework (OCAF)
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- **Highlights from this Meeting (continued):**
  - Joint meeting with BC PSIG
    - Smart Contracts RFI: reviewed next draft
    - Disposable Self-Sovereign Identifiers RFI: reviewed latest response
    - IOTA Protocol RFC: received update
    - Linked Encrypted Transaction Streams (LETS): status update
    - DIDO Reference Architecture 3.0 Discussion Paper: reviewed
  - IDL, IEF, and FACE Interop WGs met.
    - FACE Interoperability WG: discussed MOU for joint FACE Consortium / OMG WG, and mechanisms for interaction
    - IDL WG: Worked on IDL4 to C++ language mapping submission
    - IEF WG: Discussed re-focus of IEF to support public cloud
• **Deliverables from this Meeting:**
  – Technology Adoption Recommendation(s): none
  – RFP/RFI/RFC Recommendation(s): none
  – TF Documents Issued
    • DIDO Reference Architecture (RA) 3.0 Discussion Paper

• **Future Deliverables (In-Process):**
  – Technology Adoptions
    • DDS C# API: revised submission, 30 Aug 2021
    • DDS-TSN: revised submission, Nov 8, 2021
    • TCP/IP PSM for DDS Interoperability: revised submission, Feb 21, 2022
    • IDL4 to C++ Mapping: revised submission, Nov 8, 2021
    • Linked Encrypted Transaction Streams (LETS): initial submission, Aug 30, 2021
• Future Deliverables (In-Process) continued:
  – RFP/RFI/RFC Recommendations to Issue
    • IDL4 to Python Language Mapping RFP: issue 2021 Q4?
    • DDS Service-based Discovery RFP: issue 2021 Q4
    • Smart Contracts RFI: issue 2021 Q3
    • IOTA Protocol RFC: issue 2021 Q4?
  – TF Documents
    • Cloud WG Discussion Papers,
      – Practical Guide to Cloud Data Governance: publish in 2021 Q3
      – Cloud Service Agreement Template: publish in 2021 Q3
      – XaaS (working title): publish in 2021 Q4

• Liaisons
  – Future: FACE Consortium
• Agenda Items for the Next Meeting
  – Review initial submission:
    • Linked Encrypted Transaction Streams
  – Review revised submissions:
    • DDS C# API
  – Review draft RFPs
    • IDL4 to Python Language Mapping
  – Discuss DDS Service-based Discovery
  – Review Cloud Service Agreement Template Discussion Paper
  – Presentation on Open Civic Architecture Framework (OCAF)
  – Joint with BC PSIG:
    • Linked Encrypted Transaction Streams RFP: review initial submission
    • Disposable Self-sovereign Identities (SSID) RFI: review additional responses
    • Smart Contracts RFI: review for issuance
    • IOTA Protocol RFC: review next draft
  – Continue collaboration with BC PSIG, Cloud Working Group, FACE Consortium
  – MARS WGs to meet: IDL, IEF, FACE Interop, SNC?, CORBA?