

MARS – Middleware And Related Services

- **Highlights from this Meeting:**

- IDL4 to Python Language Mapping: reviewed initial submission
- IDL4 to C++ Language Mapping revised submission: received status update
 - Extended to Orlando (June 2022)
- DDS TSN Integration revised submission: received status update
 - Extended to Orlando (June 2022)
- DDS C# API revised submission: received status update
 - Extended to Burlingame (Sept 2022)
- TCP/IP PSM for DDS Interoperability revised submission: received status update
 - Extended to Austin (Dec 2022)
- OCAF Collaboration Round 2.1
 - Focus on MARS Remit: CORBA, CDR, IDL, IEF)

- **Highlights from this Meeting (continued)**

- Status update on Cloud WG papers to be published by MARS
- Presentation on ways in which CORBA could work in the FACE environment
 - Initial report from MARS FACE Interop WG's CORBA subWG team
- Joint with Blockchain PSIG
 - Linked Encrypted Transaction Streams (LETS) RFP: reviewed revised submission
 - Extended to Burlingame (Sept 2022)
 - IOTA Protocol RFC: reported current state
 - Target issuance keeps moving; review every other meeting
 - Smart Contracts RFI
 - Reviewed latest draft; completely redone from previous version
 - Distributed Immutable Data Objects (DIDO) RA: reviewed in progress draft of Ver 4.0
 - Shifted target for publication to Orlando (June 2022)

- **Highlights from this Meeting (continued)**

- FACE Interop, CORBA, IDL and SNC WGs met
 - FACE Interoperability WG:
 - 3 subWG teams (DDS, CORBA, IDL4) established last meeting reported on their specific activities
 - Based on formal liaisons established between FACE and OMG, have been meeting regularly as a joint WG with a wikispace to support
 - CORBA WG:
 - Formed small team to support preparation of ISO Explanatory Report for CORBA 3.4
 - IDL WG:
 - Chose new co-chairs: Fernando Garcia (RTI) and Chuck Abbott (OIS)
 - Tried to respond to request from Manfred Koethe re common namespace guidance in current and future IDL specs but need more input to understand
 - Discussed open issues on IDL4 to C++ mapping RFP
 - SNC WG: did not meet
 - IEF WG: did not meet

- **Deliverables from this Meeting:**

- Technology Adoption Recommendation(s):
 - none
- RFP/RFI/RFC Recommendation(s):
 - none
- TF Documents Issued
 - none

- **Future Deliverables (In-Process):**

- Technology Adoptions
 - DDS-TSN: revised submission, May 23rd, 2022
 - IDL4 to C++ Language Mapping: revised submission, May 23rd, 2022
 - DDS C# API: revised submission, Aug 22nd, 2022
 - IDL4 to Python Language Mapping, revised submission, Aug 22nd, 2022
 - Linked Encrypted Transaction Streams (LETS): revised submission, Aug 22nd, 2022
 - TCP/IP PSM for DDS Interoperability: revised submission, Nov 7th, 2022

- **Future Deliverables (In-Process) continued:**
 - RFP/RFI/RFC Recommendations to Issue
 - Smart Contracts RFI: issue 2022 Q2 or 3?
 - IOTA Protocol RFC: issue 2023?
 - TF Documents
 - Distributed Immutable Data Objects (DIDO) RA V4.0: publish 2022 Q2
 - Cloud WG Discussion Papers:
 - Practical Guide to Cloud Data Governance: publish 2022 Q2
 - Cloud Service Agreement Template: publish 2022 Q3
 - Everything as a Service: A Guide to XaaS: publish 2022 Q2
 - Practical Guide to Cloud Computing, version 4: publish 2022 Q3
- **Liaisons**
 - FACE Consortium (MOU in process)

- **Agenda Items for the Next Meeting:**
 - Review revised submissions:
 - DDS TSN Integration
 - IDL4 to C++ Mapping
 - Joint with BC PSIG:
 - Smart Contracts RFI: review (issue?)
 - Disposable Self-Sovereign ID RFP: review next draft
 - DIDO RA V4 DP: review for publication
 - Review Cloud WG discussion papers for publication:
 - Everything as a Service: A Guide to XaaS DP
 - PG to Cloud Data Governance DP
 - Continue collaboration with BC PSIG, Cloud Working Group, OCS DSIG, FACE Consortium
 - MARS WGs to meet: IDL, IEF, FACE Interop, CORBA, SNC?