



OBJECT MANAGEMENT GROUP ®

TC Meeting Date: 22 June 2020

Reporting Chair: Char Wales

Group page (URL): <https://www.omg.org/mars/>

Group email: mars@omg.org

MARS – Middleware And Related Services

• Highlights from this Meeting:

- Reviewed draft IDL4 to C++ Language Mapping RFC/RFP
- Received status reports on DDS TSN Integration, DDS C# API, & TCP/IP PSM for DDS submissions
- Reviewed initial submission of REST for CORBA
- Reviewed revised submission of Space Telecommunication Interface (STI) for SDRs
- Presentation on future IEF Ecosystem of Interoperability Discussion Paper
- Joint meeting with BC PSIG
 - Reviewed next draft of Linked Encryption Streams (LETS) RFP
 - Reviewed next draft of IOTA Tangle RFC
 - Reviewed final version of DIDO Reference Architecture 2.0 Discussion Paper
 - Reviewed and demonstrated DIDO Test Environment (DIDO TE)
 - Reviewed DIDO Reference Implementation (RI) and their components:
 - DIDO Data Model
 - DIDO Command Line Interface (CLI)



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• Highlights from this Meeting:

- Short update on Cloud WG vis-à-vis upcoming discussion papers
- Reopened LOI and extended process dates for DDS C# API
- Extended DDS-TSN Integration and TCP/IP PSM for DDS to 09 November 2020 (December meeting)
- Extended STI for SDR to 17 August 2020 (September meeting)
- Issued DIDO RA 2.0 Discussion Paper
- IDL, SNC, CORBA WGs met.
 - CORBA WG: considering preparing a discussion paper on FACE Transport Service Segment (TSS) and its relationship to CORBA and DDS to present to FACE
 - IDL WG: Worked on IDL4 to C++ Language mapping; decision to use RFP rather than RFC process
 - SNC WG: Reviewed and addressed comments from AB on STI for SDR submission; decision to delay adoption by one meeting.



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- **Deliverables from this Meeting:**

- Technology Adoption Recommendation(s)
 - None
- RFP/RFI/RFC Recommendation(s)
 - None
- TF Documents Issued
 - DIDO Reference Architecture (RA) 2.0

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

- Technology Adoptions
 - DDS C# API: reopened LOI, 10 Jul 2020; Voting List, 07 Sep 2020; initial submission, 17 Aug 2020; revised submission, 22 Feb 2021
 - DDS-TSN: revised submission, 09 Nov 2020
 - IEF Policy Based Packaging Service (IEPPS): revised submission, 17 Aug 2020
 - REST for CORBA: revised submission 09 Nov 2020
 - STI for Software Defined Radios (SDRs): revised submission, 17 Aug 2020
 - TCP/IP PSM for DDS Interoperability: revised joint submission, 09 Nov 2020



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

- RFP/RFI/RFC Recommendations
 - IOTA Tangle RFC (issue in 2020 Q3?)
 - Linked Encryption Transaction Streams (LETS) RFP (issue in 2020 Q3?)
 - IDL4 to C++ Mapping RFP (issue in 2020 Q3?)
- TF Documents
 - IEF Ecosystem of Interoperability Discussion Paper (draft in 2020Q3?)
 - Cloud WG Discussion Papers, titles TBD (issue 2020Q4?)

- **Liaisons**

- None



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• **Agenda Items for the Next Meeting**

- DDS C# API: review initial submission
- IEF Policy Based Packaging Service (IEPPS): review revised submission
- STI for Software Defined Radios (SDRs): review revised submission
- IDL to C++ RFP: review next draft
- *IEF Ecosystem of Interoperability* Discussion Paper: review draft
- Presentation on plans for discussion paper on FACE Transport Service Segment (TSS) and its relationship to CORBA and DDS
- Status report on Cloud WG Discussion Papers
- Joint with BC PSIG:
 - Ephemeral Self-Sovereign ID RFP: review/present new RFP
 - IOTA Tangle RFC: review draft
 - Linked Encrypted Transaction Streams (LETS) RFP: review draft
 - DIDO Test Environment: presentation and demo
 - DIDO Reference Implementation: demo
- Continue collaboration with BC PSIG, Cloud Working Group, FACE Consortium
- WGs to meet: IDL, IEF, SNC, CORBA