

2017-11-14 TAPI Meeting Notes

Date

14 November 2017

Attendees

- [Karthik Sethuraman](#)
- [Lyndon Ong](#)
- [Nigel Davis](#)
- [Andrea Mazzini](#)
- [Bernd Zeuner](#)
- [Hing-Kam Lam](#)
- [@Blake Hlavaty](#)
- [Evgeniy Zhukov](#)
- [Rod LU](#)
- [Scott Mansfield](#)
- [Xiang YUN](#)

Goals

- Administrative
 - Review agenda and next call plan
 - CORD-Build/ONF Interim Meeting Update
 - Liaisons
- MEF Feedback on TAPI
 - Bidirectional navigability for associations
 - Topology-Node encapsulation, Link containment & NEP containment/aggregation?
- TAPI 2.0 SDK Model
 - LayerProtocol Refactoring & Spec pattern
 - Merging of LayerProtocol attributes into NEP, CEP, CSEP & SIP
 - Constraining of Layer multiplicity to 1 for NEP, CEP, CSEP
 - Spec pattern usage & Spec Constraints
 - CEP-Has-Server-NEPs relationship & CEP containment
 - Eagle Uml2Yang Tool update on Literals/Constants naming
- TAPI 2.0 SDK Technology Model
 - ETH Spec Model
 - OTSi Spec Model
 - ODU Spec Model
- TAPI 2.0 Documentation & Use Cases
 - Multi-layer, Multi-domain Connectivity
 - Resiliency, Protection & Restoration
 - OAM, Performance and Monitoring
 - Termination Model (SIP, SEP, NEP, CEP)

Discussion Items

Time	Item	Who	Notes
5mins	General Administrative	To-be-removed	<ul style="list-style-type: none">• This call is being recorded• Next TAPI call: Next week, Nov 21, 2017
30mins	CORD-Build/ONF Interim Meeting Update	Lyndon Ong	<ul style="list-style-type: none">• https://wiki.opennetworking.org/download/attachments/259719184/otcc2017.LYO.002-CORD%20Build%20TAPI%20Agenda%20and%20Notes.pptx?api=v2• 2017 Nov. 6-10 OIMT & OTCC Interim Meeting Agenda & Notes• China Mobile TAPI testing met their expectations - API based on hand-translated TAPI UML to JSON, identified few gaps• Strong interest from CORD & ONOS folks in TAPI model• TAPI mapping to protobufs/xproto came up• TIP-OLS has adopted TAPI• Nigel noted that working in open probably has driven strong TAPI considerations from other industry groups• FRD Review - Multi-domain, Multi-Layer & Notification use cases discussion
30mins	MEF Feedback on TAPI <ul style="list-style-type: none">• Bidirectional navigable associations• Others	Andrea Mazzini , Nigel Davis	<ul style="list-style-type: none">• Andrea to followup with MEF on the status of the official liaison• in general objections from almost all TAPI participants to incorporating bidirectional navigability for all associations in an "interface" oriented model• Recommendation to escalate bidirectional navigability issue to OTCC TST

15mins	LayerProtocol Refactoring & Spec pattern <ul style="list-style-type: none"> Merging of LayerProtocol attributes into NEP, CEP, CSEP & SIP Constraining of Layer multiplicity to 1 for NEP, CEP, CSEP Spec pattern usage & Spec Constraints 	To-be-removed	<ul style="list-style-type: none"> Agreed to merge LayerProtocol attributes into NEP/CEP/CSEP/SIP - this results in elimination of LayerProtocol class in TAPI Agreed to Constrain Layer multiplicity to 1 for NEP, CEP Agreed that introducing constraints that limits the application of <Specify> (augment) relationship is good practice Rod Lu: CSEP should be multi-layer to allow for specifying/configuring lower (transport/tunnel/internal) layer adaptation properties while creating a upper layer connectivity. Example to be provided in next TAPI call
10mins	Eagle Uml2Yang Tool update on Literals/Constants naming	Bernd Zeuner	Agreed to update TAPI SDK with the output of the latest Eagle Uml2Yang tool
15mins	CEP-Has-Server-NEPs relationship & CEP containment	Nigel Davis	

Old Action Items

- All: Consider what needs to be covered in the TAPI portion of the interim face to face meeting
- All: Propose approach to demonstrating TAPI at CORD Build event
- Nigel Davis: Validate with David that we do have two booths at the CORD Build Science Fair
- All: Review the FRD by 24 Oct 2017
- Karthik Sethuraman: add slot to TAPI calls to cover FRD.
- All: location to post recording that is accessible to China - maybe mirror
- Karthik, Lyndon: update draft FRD example for Friday liaison to OIF
- Lyndon: check with Guru on availability for TAPI review
- Lyndon: Get David to change agenda title for morning CORD session
- All: continue to review FRD
- Nigel, Karthik, Lyndon and anyone else interested: continue to work on CORD Build slide pack and Science Fair
- Nigel: host meeting next week (Karthik may be on plane, Lyndon in Shanghai)

New Action Items

- Andrea & Nigel to work on response to MEF Liaison
- Rod to present an example for multi-layer CSEP
- Karthik to update the TAPI SDK using the latest version of the Uml2Yang tool