

2021-08-31 TAPI Meeting Notes

Date

31 Aug 2021

Attendees

- [Andrea Mazzini](#)
- [Nigel Davis](#)
- [Cristian Rosero](#) Carvajal
- [Huy Tran](#)
- [Xiang YUN](#)
- [Pedro Amaral](#)
- [Karthik Sethuraman](#)
- [Jonathan Sadler](#)
- Ronald Zabaleta
- Arturo Mayoral (TIP OOPT/MUST)

Goals

- Admin
 - Any update on liaison between TIP and ONF?
- Brief review of [v2.3 release](#)
- Plan for 2.4 delivery
 - Review and update of [TAPI Roadmap 2021](#)
- Delivering RIA 1.1 ([ONF TAPI RIA](#))
 - Plan for dedicated review calls
- Resume of “GNPy/CCAMP – TAPI alignment” activity

Agreed Items & Priority

- Below the list of the agreed items and related priority.
- An item is blocking when its resolution is necessary precondition for the delivery.

TAPI 2.1.3 and RIA 1.1

1. OTU(+ODUCn) CEP/CSEP as single point for OTU/OTSiA ConnectivityService provisioning ([solved](#))
2. ENNI/INNI Asymmetric service provisioning for multi-domain scenarios, agree UCs ([solved](#))
3. Alarm / TCA notification ([solved - work ongoing on probable cause list](#))
 - a. Subscription
 - b. Notification contents
 - Probable Causes / Elementary alarms (e.g. ITU-T cZZZ fault causes), including TCA PM Parameters
4. OTS and OMS model ([solved](#))
5. Path Computation Use Cases ([blocking](#))

TAPI 2.3/2.4 and RIA 1.2

1. MEP/MIP model vs. direct inclusion of OAM parameters in the CEP ([solved](#))
 - a. ODU OAM
 - b. Photonic OAM
 - c. TCA provisioning
2. Physical impairments ([not blocking](#))
 - OFC is augmenting TAPI Link, others the AbstractStrand.
 - Type of amplifier, fibre attenuation, etc.
3. Photonic model capability ([not blocking](#))
4. Lifecycle management of ConnectivityService at every layer, necessary to identify UCs ([not blocking](#))
 - Lifecycle management of single ConnectivityService, necessary to identify UCs
5. 3R ([not blocking](#))
6. UNI Client interfaces modelling. DSR/ODU multiplexing over ODU ([not blocking](#))
7. RESTCONF Response codes for use cases ([not blocking](#))
8. TAPI OAS, action points to be assigned ([not blocking](#))
9. Routing Constraints ([not blocking](#))
10. Physical Route ([not blocking](#))

Discussion items

5 mins	Administrative	All	<p>Review of TR-547 1.1: Scheduled 2 hours calls for Sept 3, 6, 8, 9.</p> <ul style="list-style-type: none"> Invited Ramon, Nigel, Ronald, Pedro, Arturo. Please others interested to contact Andrea. <p>07 Sep 2021 TAPI weekly call</p>
5 mins	Brief review of v2.3 release	Andrea Mazzini	Andrea Mazzini briefly presents the 2.3 release, no further comments.
80 mins	Plan for 2.4 delivery	All	<p>Review and update of TAPI Roadmap 2021</p> <ol style="list-style-type: none"> Agreed the replacement of all ENUM with IDENTITY. <ul style="list-style-type: none"> Nigel Davis there can be ENUM "on purpose", i.e. when it is explicitly forbidden any (proprietary) extension. <ul style="list-style-type: none"> <input type="checkbox"/> Andrea Mazzini will setup dedicated calls for the systematic review of all ENUMs. Candidate refinements (otcc2020.ND.013_Tapi-NotesOn2.1.4.pptx) <ul style="list-style-type: none"> <input type="checkbox"/> Nigel Davis to review and update as necessary, then evaluate which items shall be planned for TAPI 2.4 or later. Agreed to split in two sets the features candidate for 2.4: <ol style="list-style-type: none"> Features relatively ready to implement (because contributions already available and/or inherently simple) Features which need contributions - read it as "if you are interested, please contribute with detailed proposal, etc." Agreed to remove all RPCs (in TAPI 2.3 are marked as "deprecated") <ul style="list-style-type: none"> Clarified that NetworkTopologyService class is the analogous of ConnectivityService and OamService but for topology. Will keep it in case of future developments regarding provisioning of topology items. Nigel Davis could work on a proposal concerning Virtual Network Service and Topology Service. Likely the Virtual Network Service model can be dismantled in favor of some enhancements to Topology model. "Slicing" is one key aspect. In any case, this is for TAPI 3.0 or similar. Jonathan Sadler proposes to add the security chapter. Agreed that is in the scope of the TR-547 RIA 1.2. A document, provided by Jonathan Sadler, discussing the security requirements etc., has been uploaded by Nigel Davis at otcc2021.JS.001_tapi-security.docx. Nigel Davis the Performance Monitoring model for Streaming needs further study, considering also ORAN.
30 mins	Delivering RIA 1.1	Arturo Mayoral	<p>Arturo has performed a separate review of current RIA version (ONF TAPI RIA), with the purpose to assign a maturity level to each use case. A spreadsheet is presented.</p> <ul style="list-style-type: none"> Andrea Mazzini clarifies that the review is mainly syntactical, i.e. no semantical enhancements - which would need discussion at regular TAPI calls. Arturo points out that some use cases have been marked as "solved" in the meeting notes (see above e.g. <i>ENNI/INNI Asymmetric service provisioning for multi-domain scenarios, agree UCs (solved)</i>). Andrea Mazzini indicates that the review has covered so far use cases till 5b one. When we will cover "solved" use cases, we will update the RIA accordingly, in order to enhance their maturity level. Arturo recalls that priority is on Fault Management use cases. <ul style="list-style-type: none"> Nigel Davis and Andrea Mazzini agree that the TR-547-TAPI RIA V1.1 Alarms 30062021.xlsx is almost ready for inclusion in RIA 1.1 <ul style="list-style-type: none"> Arturo asks whether there will be an impact on the model. Agreed that at least the alarm condition name (aka probable cause) identity shall be updated accordingly. Agreed to evaluate a prioritization of the use cases.