

# 2019-12-03 TAPI Meeting notes

## Date

03 Dec 2019

## Attendees

- [Andrea Mazzini](#)
- [Arturo Mayoral](#)
- [Gert Grammel](#)
- [Hing-Kam Lam](#)
- [Malcolm Betts](#)
- [Nigel Davis](#)
- [Pedro Amaral](#)
- [Stephane St-Laurent](#)
- [Jonathan Sadler](#)

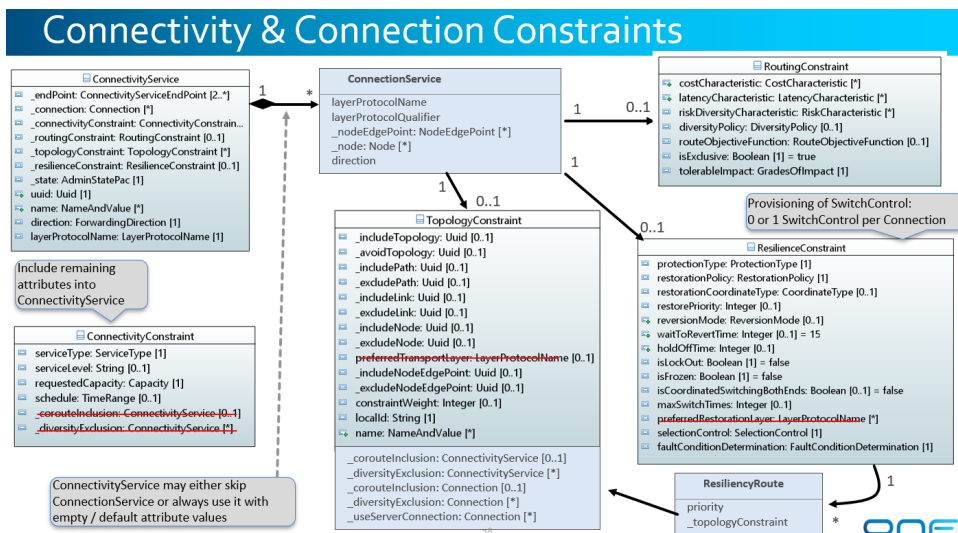
## Goals

- Admin
  - TAPI Reference Implementation (Arturo)
  - TAPI v3 ConnectivityService enhancements (Stephane, Andrea)
- If time allows:
- TAPI v3 Resilience & Connectivity Constraints Enhancements (Andrea)

## Discussion items

4 0 m ins	A d m in is tr a M a z z i n i	A n d r e a M a z z i n i	<p>Next TAPI Call: 10 Dec 2019</p> <ul style="list-style-type: none"><li>• Agenda not discussed - will continue on same items as today</li><li>• Next F2F Meeting Plan - not discussed. Current plan is:<ul style="list-style-type: none"><li>• Week of 08 Jun 2020<ul style="list-style-type: none"><li>• Should we schedule it earlier? In April time-frame?</li></ul></li><li>• Location: Telefonica, Madrid</li></ul></li><li>• <a href="#">Nigel Davis</a> TAPI roadmap:<ul style="list-style-type: none"><li>• <a href="#">TAPI Roadmap</a> updated including a new version 2.3 which purpose is to anticipate a selection of 3.0 features. Selection is made on less impacting fr</li></ul></li></ul> <p><input type="checkbox"/> <a href="#">Andrea Mazzini</a>, <a href="#">Karthik Sethuraman</a> to provide more details on Ethernet (L2) feature.</p> <p><input type="checkbox"/> <a href="#">Nigel Davis</a> to provide more details on ETSI NFV feature, as it seems more related to Core IM than TAPI.</p> <p><input type="checkbox"/> <b>Action to ALL, please check the roadmap and enhance feature descriptions!</b></p>
4 0 m ins	T A P I R o M a y o r a l	A r t u r o M a y o r a l	<ul style="list-style-type: none"><li>• <a href="#">Arturo Mayoral</a> asked last Nov. 12 to perform the final review of <a href="#">TR-5XX.1-TAPI v2.1.2 Reference Implementation_v0.1.docx</a> contribution (Aug 9).<ul style="list-style-type: none"><li>• <a href="#">Arturo Mayoral</a> has received a commented copy by <a href="#">Pedro Amaral</a>, but unfortunately they were not able to upload it on the wiki.<ul style="list-style-type: none"><li>• TAPI reference version, in the document is currently mentioned 2.1.2, the issue is how to unambiguously identify YANG files belonging to 2.1.1/2. documents are all the same. <a href="#">Stephane St-Laurent</a> provides some suggestions (Google OpenConfig "tag" for revisions).<ul style="list-style-type: none"><li>• Agreed to send an email to <a href="#">Karthik Sethuraman</a> for further help on the topic (already sent briefly after this meeting).</li></ul></li></ul></li><li>• <a href="#">Andrea Mazzini</a> has commented a copy, for discussion today. Agreed to upload the copy to the wiki (<a href="#">TR-5XX.1-TAPI v2.1.2 Reference Implementati</a></li><li>• <a href="#">Stephane St-Laurent</a> proposes to remove the TAPI modules which are not considered, e.g. Path Computation and Virtual Service, agreed.</li><li>• <a href="#">Arturo Mayoral</a> plans to update the specification, providing a version 0.2:<ul style="list-style-type: none"><li>• including as feasible the comments from <a href="#">Pedro Amaral</a> and <a href="#">Andrea Mazzini</a>,</li><li>• adding equipment/inventory use cases.</li></ul></li></ul></li></ul>

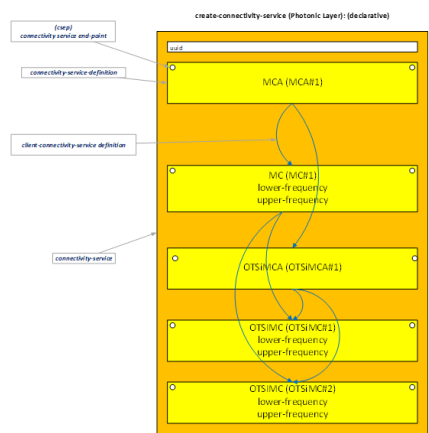
- **Andrea Mazzini** presents an updated version of `oimt2019.AM.001_TAPI PhotonicConnectivityModel.pptx`, where all provisioning scenarios listed in `otcc21` replicated using a different model for constraints.
- Model is outlined in the following slide:



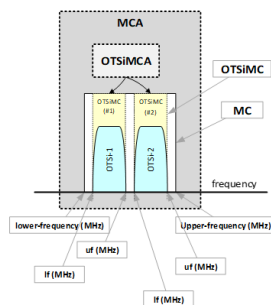
- **Andrea Mazzini** proposes this model to enhance the constraining capabilities of a `ConnectivityService`
  - with respect to potential `Connections`
  - and their resiliency schemes
  - and their resiliency routes
- The idea is to reuse existing *constraint* classes (`Topology/ Routing/ Resilience Constraint`) for `Connection` level, and further reuse only `TopologyConstraint` layer protocol (also at server layers) and ending NEPs / Nodes, to delimitate the potential scope of a resulting `Connection`. It is so possible to specify a full any layer. Similarly for `Routes`, where the unique *delimiting scope* is their priority.
  - *Post meeting note: ConnectionService needs NEP/Node 1) direction, 2) role, 3) protectionRole. More in general, a structure similar to CSEP...*
- This model is backward compatible with current definition.
- **Jonathan Sadler** notes that the displayed model seems a mix of *service definition* and *service instance* management items. General agreement, the current but this is somehow in conflict with backward compatibility requirements (several implementations are already ongoing) and available resources.
- **Malcolm Betts** points out that we need `Service Templates`. Agreed.

• Recalled that **Stephane St-Laurent** has proposed in `otcc2019.SSL.002.TAPI ConnectivityMediaModel.pptx` a different model, which reuses `ConnectivityS`

## #1: connectivity-service (needed) Updated details



- Declarative model
- 1 operation
- Very simple



• **Stephane St-Laurent** will review `oimt2019.AM.001_TAPI PhotonicConnectivityModel.pptx`.

### Action items

