

2022-05-17 TAPI Meeting Notes

Date

17 May 2022

Attendees

- [Andrea Mazzini](#)
- [Nigel Davis](#)
- [Ramon Casellas](#)
- [Ronald Zabaleta](#)
- [Xiang YUN](#)
- [Huy Tran](#)
- [Hing-Kam Lam](#)
- [Karthik Sethuraman](#)

Goals

- Admin
 - Plan for dedicated RIA 2.0 review calls ([ONF TAPI RIA](#))
- Brief review of [pull request #519](#)
- Continue Optical Impairments review
- DSR UNI Model and asymmetric Connectivity Service

Agreed Items & Priority

- See the [TAPI Roadmap 2022-2023](#)

Discussion items

20 mins	Administrative	<p>TAPI RIA 2.0:</p> <ul style="list-style-type: none"> • <i>Scheduled two additional, dedicated TAPI calls:</i> <ul style="list-style-type: none"> • <i>Mon 14-16 and Wed 13-15 CESt</i> <p><i>Asked to ONF to extend the additional, official, dedicated TAPI calls till end of year.</i></p> <ul style="list-style-type: none"> • See TAPI Call-in Details and Notes for the details (to be updated - in the meanwhile, Andrea Mazzini is sending the invitations) <p><i>This week the next call is on Wed 18, 12-15 CESt</i></p> <p><i>Next week: Thu 26, 10-12 and Fri 27, 11-13 CESt</i></p> <ul style="list-style-type: none"> • Andrea Mazzini will send the invitation to anyone who wants to participate. <p>24 May 2022 TAPI weekly call</p> <p>Preliminary agenda:</p> <ul style="list-style-type: none"> • DSR UNI Model and asymmetric Connectivity Service
5 mins	Brief review of pull request #519	<p>Karthik Sethuraman will take some time to review.</p>

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Agreed that we need another full month for the delivery.

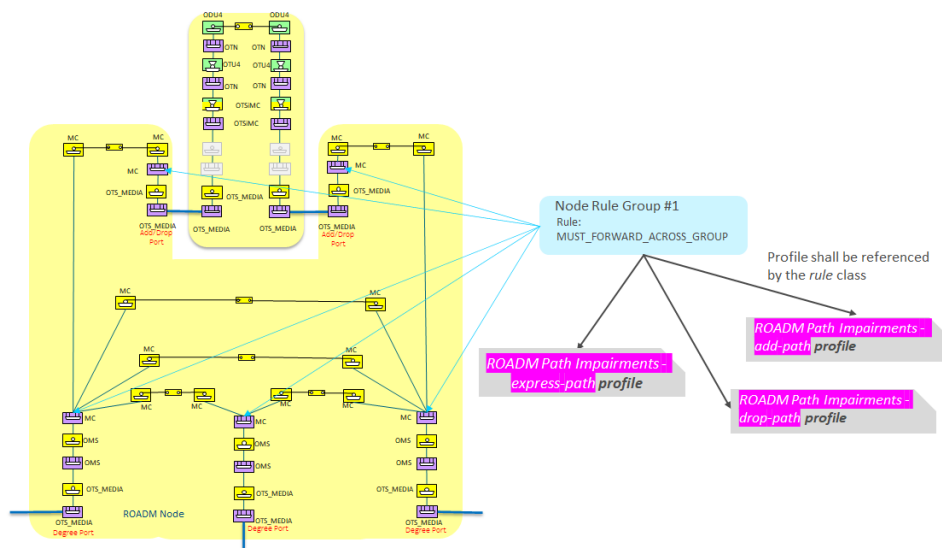
- UML side, all modules are mature but *TapiPhotonicMedia*, where are likely necessary some adjustments to:
 - OTSI / OTSIMC / MC structures - to reflect the recent agreements regarding layering and connectivity provisioning.
 - Optical Impairments structures - where some further review is necessary to double check the alignment to IETF.
- RIA side, we made progresses in many subjects, several technical issues are now solved. Next main steps:
 - Complete the review of Connectivity UCs
 - Complete the inventory UCs with the Optical Impairments specific structures
 - Introduce the OAM UCs
 - Check the Path Computation UCs

A n d r e a M a z z i n i

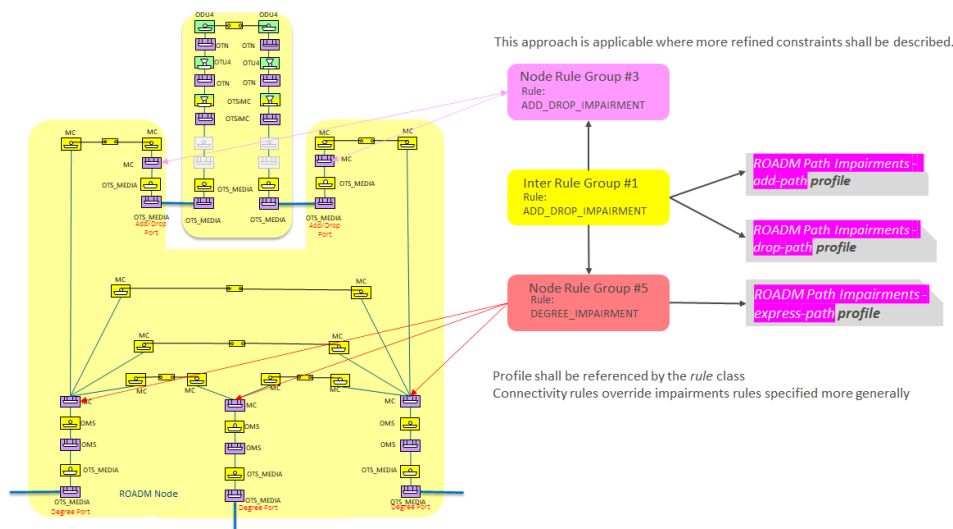
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Andrea Mazzini shows the updated diagrams regarding ROADM Path impairments.

- Below the simplest scenario, where the *Node Rule Group* indicates full mesh connectivity between all add/drop and degree ports, and the related *impairm*

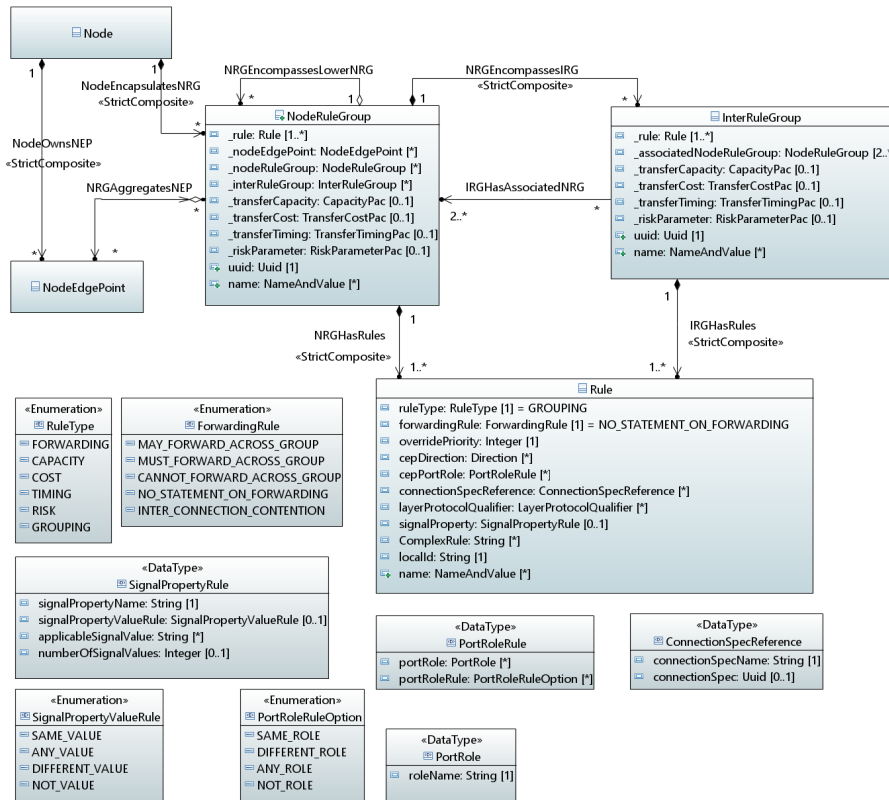


- Below the diagram built during the discussion, where add/drop NEPs and degree NEPs are grouped by distinct *Node Rule Groups* and the *impairments p*



- The figure above is an example of the agreed the solution where:
 - one or more *Node Rule Group* instances aggregate only the *add/drop* MC NEPs,
 - one or more *Node Rule Group* instances aggregate only the *degree* MC NEPs, and refer to the *express-path profiles*,
 - one or more *Inter Rule Group* instances associates the above 1. and 2. *Node Rule Group* instances, to identify one or more *add/drop to degree* path

Below the UML model of *Node Rule Group* and *Inter Rule Group*:



- After some discussion agreed to make bidirectional the association between NEP and *Node Rule Group* classes.
 - This shall allow both:
 - GET on *Node Rule Group* instance including all the references to the NEP instances associated by the *Node Rule Group* Rule(s),
 - GET on NEP instance including all the references to the *Node Rule Group* instances involving the NEP.
- We briefly review the other Optical Impairments data structures and agreed the current state of the definitions.
- Ramon Casellas regarding the RIA, we may introduce the Optical Impairments as "sub use cases" of the inventory ones. In other words, starting from the technology specific augments.