2020-04-01 5G-xHaul Meeting notes

Date

01 Apr 2020

Attendees

- Danilo Pala
- Roberto Servadio
- Daniela Spreafico
- Thorsten Heinze
- @Pawel Krecicki
- Michael Binder
- Yossi
- Martin Skorupski

(please feel free to correct, update your names 😉 Thank you very much!!!)

Info to:

- Nader Zein
- Tracy Van Brakle
- Dragos Dosan
- Martin Skorupski

Goals

- going forward

Discussion items

Time	Item	Who	Notes
0min	chair topic		no update
30min	HTTP response code	Thorsten Heinze	Update by Lumina: • New ODL implementation is according RFC8040 • mapping int32 - int64 - string https://tools.ietf.org/html/rfc7951 chapter 6.1 [...] A value of the "int64", "uint64", or "decimal64" type is represented as a JSON string whose content is the lexical representation of the corresponding YANG type as specified in Sections 9.2.1 and 9.3.1 of [RFC7950]. [...] The reason comes from the JavaScript specification: https://developers.google.com/discovery/v1/type-format [...] For example, a 64-bit integer cannot be represented in JSON (since JavaScript and JSON support integers up to 2^53). Therefore, a 64-bit integer must be represented as a string in JSON requests/responses. So the type property will be set to "string", but the format property will be set to "int64" to indicate that it is a 64-bit integer. [...] PM counters needs int64. Application developer issue no issue in xml, App developer must know how to RestConf using json and xml. **Proposal**: Models will not change - int64 is required. **Decision**: Models will not change - int64 is required.

00:26		@Pawel Krecicki	ODU presentation ▪ two representations ▪ top level vs actual equipment No decisions and discussions were made for connector in the past. How should be ODU models - options ODU is a separated box top level equipment . independent equipment with no dependency to IDU ODU is managed by IDU actual equipment **Proposal (under development):** ODU presentation as SFP actual equipment ("virtual" slot holder with ODU as equipment) IF port holder vs connector RF port is sitting on ODU **AI: Questions to the vendor**s What are the advantages and drawbacks of the ODU presentation in a SFP like way? Instantiation procedure like wire-equipment?
01:05	Admin		**Decision:** summer: 2am ONF time 11:00 CEST 12:00 Israel summer time 17:00 China winter: 2am ONF time 11:00 CET 12:00 Israel standard time 18:00 China Next Meeting: 2020-04-08: 2am ONF time 11:00 CEST 12:00 Israel summer time 17:00 China AI Martin: update meeting invitation
0min	Admin		**Next meetings** 2020-03-25: Martin Skorupski 2020-04-01: Martin Skorupski 2020-04-08: Martin Skorupski 2020-04-15: Martin Skorupski

0min	UUID		core-model allows definition of both Logical Termination Points (interfaces), but also connections • Forwarding Domain: • either connections inside the same device • connections outside devices • Link: • any type of link, not only microwave • Forwarding Construct: • concrete forwarding between two or more LTPs / ports • unidirectional / bidirectional core-model is also suitable for representing entire Networks, not only a Device this means that Universally Unique IDs are required Devices cannot get the UUIDs from outside, they need to be generated by the device, and cannot be overwritten from outside Devices are unaware by their surroundings (the network), so it cannot know if a UUID is already used by some other interface in other devices IETF defines how to create UUIDs, and the core-model references this RFC • we need UUIDs for documenting the network • we cannot write the UUIDs in the device, the device needs to create it • the device does not have a network wide view • this is needed because of the **Planning** the network Possible solutions: • the device generates whatever, the IDs are retrieved and a **mapping table** is maintained • we prescribe a **method/algorithm** that is implemented in the device for creating UUIDs (which become predictable): • using some prefix which is known during the implementation time of the device - (e.g. MAC address of the Management interface); vendor sends info about Order no. and MAC addr. to the operator and the Planning will be done with these prefixed values less complex than a field technician configuring the prefix on the device with some dongle • fixed UUID with prefix and postfix Suggestions: • use the Device name instead of the MAC addr. • clean-up application that handles the changing of MAC addresses Out of time, we need to follow up: proposal, **next week Tuesday 09:00 CET**

Action items