

2020-05-27 5G-xHaul Meeting notes

Date

27 May 2020 | 2am PDT | 5am EDT | 9:00 UTC | 11:00 CEST | 12:00 EEST | 14:30 IST | 17:00 CST | 18:00 JST |

Web Conference:

<https://onf.zoom.us/j/953236915> -Zoom is blocked by more and more ITs.

Please use the following link: <https://thorsten-heinze-telefonica-de.webex.com/join/andreas.lattoch.external>

Attendees

- Alex Stancu ★
- @Andreas Lattoch ★
- Alok Surve ★
- Daniela Spreafico ★
- Danilo Pala ★
- Daniel Perez GCTIO ★
- Hubing ★
- Hsudarsa
- Jorge Lopez
- Jasper Yang
- Leo ★
- Ma Yong
- Michael Binder ★
- Nader Zein ★
- Paul Parva
- Pawel Krecicki ★
- Petr Jurcik ★
- Prathiba ★
- Roberto Servadio ★
- Shuzhan ★
- Thomas Schulze ★
- Thorsten Heinze ★
- Yossi
- Martin Skorupski ★

Info to:

- Tracy Van Brakle

Goals

- going forward

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

Discussion items

Time	Item	Who	Notes
00:00	chair topic		no update
00:00	Admin		Next meetings 2020-05-27: Martin Skorupski 2020-06-03: Martin Skorupski 2020-06-10: Martin Skorupski 2020-06-17: Martin Skorupski

00:05	TransmitterEquipment	Pawel Krecick Thorsten Heinze	<p>Proposal to align modeling of AirEquipment with WireEquipment (follow link to see the email)</p> <p>A new document is available: https://github.com/openBackhaul/equipment/tree/tsp under review 2020-05-27</p> <p>At all: please provide feedback in advance in written form using the change tracker. Please send back to Thorsten by email - and cc the group.</p> <p>Feedback from 3 companies - Thanks!!!</p> <p>Updated document will be delivered by Thorsten.</p> <p>--</p> <p>Support of Software and License goes to several manufactured-things</p> <ul style="list-style-type: none"> ▪ Do we need to categorize the manufactured-things? <ul style="list-style-type: none"> ▪ which is the yang key: proposal: new attribute as the manufactured-thing does not "use" CoreModel:GlobalClass or CoreModel:LocalClass ▪ would need a new attribute on core-model ▪ The "correct way" is to reuse software-management of the core-model, which is not in yang yet due to pruned "DomainConstrains" <p>Conclusion:</p> <ul style="list-style-type: none"> ▪ contribute to CoreModel a LicenseModel ▪ For now LTP creation and its Capabilities depend only on 1 manufactured-things of the ExpectedEquipment. ▪ TransmitterEquipment - should be updated according to the conclusion - later it needs to be updated once the model for firmware/license is stable. ▪ for now: interface capabilities will reflect "only" the equipment capabilities - not software and not license capabilities - operators needs to be aware the consequences.
00:30	Radio-Signal-ID	Robert Servadio	<p>Please see AirInterface-Issue#39</p> <ul style="list-style-type: none"> ▪ Editorial work on the proposal ▪ Decision: We continue as proposed.
00:00	dropping-behavior	Thorsten Heinze	<p>dropping-behavior-kind on device/switch level - link to issue</p> <p>AI: Danilo Pala, Michael Binder Daniela Spreafico: Please provide options how to solve the issue and a recommendation for discussion next week.</p> <p>AI: Martin Skorupski Work out a proposal to be discussed next week.</p>
00:00	Combo Port	Robert Servadio	<p>See contributions:</p> <ul style="list-style-type: none"> ▪ https://wiki.opennetworking.org/download/attachments/265093121/ALCp2e_Equipment_Management.pptx?api=v2 ▪ https://wiki.opennetworking.org/download/attachments/265093121/ethernet-combo-port-as-fc-switch.pptx?api=v2 <p>Switching the port by management interface CoreModel solution is ForwardingConstruct with FC-Switch.</p> <p>AI: Martin Skorupski Show how this works with CoreModel 1.4</p>
END			

Omin	UUID	<p>Status: discussion on-hold</p> <p>core-model allows definition of both Logical Termination Points (interfaces), but also connections</p> <ul style="list-style-type: none"> • Forwarding Domain: <ul style="list-style-type: none"> • either connection inside the same device • connections outside devices • Link: <ul style="list-style-type: none"> • any type of link, not only microwave • Forwarding Construct: <ul style="list-style-type: none"> • concrete forwarding between two or more LTPs / ports <ul style="list-style-type: none"> • unidirectional / bidirectional <p>core-model is also suitable for representing entire Networks, not only a Device</p> <p>this means that Universally Unique IDs are required</p> <p>Devices cannot get the UUIDs from outside, they need to be generated by the device, and cannot be overwritten from outside</p> <p>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</p> <p>IETF defines how to create UUIDs, and the core-model references this RFC</p> <ul style="list-style-type: none"> • 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 <p>Possible solutions:</p> <ul style="list-style-type: none"> • 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): <ul style="list-style-type: none"> • 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 <p>Suggestions:</p> <ul style="list-style-type: none"> • use the Device name instead of the MAC addr. • clean-up application that handles the changing of MAC addresses <p>Out of time, we need to follow up: proposal, next week Tuesday 09:00 CET</p> <p>--</p> <p>Notes from 08 Apr 2020</p> <p>Discussion about UUID and Links/Assosations/References between object classes</p> <p>ODL MountPoint is and association to a NetConf server - some NetConf servers representing some times the microwave model.</p>
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Action items