

# 2020-08-19 5G-xHaul Meeting notes

## Date

19 Aug 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/953336915> -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 Calvo ★
- Eduardo Yusta
- Hubing
- Hsudarsa
- Jorge Lopez
- Istvan Vencz
- Jasper Yang
- Leo
- Ma Yong
- [Michael Binder](#) ★
- [Nader Zein](#) ★
- Paul Parva
- Pawel Krecicki ★
- [Petr Jurcik](#)
- Prathiba
- [Roberto Servadio](#)
- Shuzhan
- Thomas Seitz
- [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       |     | <b>Next meetings</b><br>2020-08-19: <a href="#">Martin Skorupski</a><br>2020-08-26: <a href="#">Martin Skorupski</a><br>2020-09-02: <a href="#">Martin Skorupski</a><br>2020-09-09: <a href="#">Martin Skorupski</a> |

|       |                        |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------|------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 00:05 | VLAN IF and Connection | Thorsten Heinze  | <p>UML Model based on ONF CoreModel 1.4</p> <ul style="list-style-type: none"> <li>• FD for VLANs FD EthernetSwitch</li> <li>• FC for a single VLAN ID</li> </ul> <p>2020-08-19:</p> <p>Questions/Suggestions by <a href="#">Danilo Pala</a></p> <ul style="list-style-type: none"> <li>▪ LayerProtocolName <ul style="list-style-type: none"> <li>▪ for LTP, FD, FC</li> <li>▪ Shall the VLAN be divided into inner and outer tag</li> <li>▪ port rule vs sublayer protocol name vs LayerProtocolName</li> </ul> </li> </ul> <p>VLAN UML2YANG is progressing</p> <p>next: MAC-FC/MAC-FD</p> <ul style="list-style-type: none"> <li>▪ MAC-FD is done IEEE</li> </ul>                                                                                                                                                                                                                                                                                                                        |
| 00:00 | VLAN                   | Thorsten Heinze  | <p>VLAN Model with reduced scope.</p> <p>review period for documents from August 2019 will end 2020-06-09</p> <ul style="list-style-type: none"> <li>• <a href="https://github.com/openBackhaul/vlanInterface/tree/tsp">https://github.com/openBackhaul/vlanInterface/tree/tsp</a></li> <li>• <a href="https://github.com/openBackhaul/vlanFd/tree/tsp">https://github.com/openBackhaul/vlanFd/tree/tsp</a></li> <li>• <a href="https://github.com/openBackhaul/vlanFc/tree/tsp">https://github.com/openBackhaul/vlanFc/tree/tsp</a></li> </ul> <p>Ongoing work...</p>                                                                                                                                                                                                                                                                                                                                                                                                                      |
|       |                        |                  | for 2nd September 2020 - list issues to be decided                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| --    | RMON                   | @Andreas Lattoch | <p>Related Contribution in <a href="#">Email from 2020-04-30</a></p> <p>Latest discussions revealed the following documented issues:</p> <ul style="list-style-type: none"> <li>• <a href="https://github.com/openBackhaul/macInterface/issues/27">https://github.com/openBackhaul/macInterface/issues/27</a></li> <li>• <a href="https://github.com/openBackhaul/macInterface/issues/28">https://github.com/openBackhaul/macInterface/issues/28</a></li> <li>• <a href="https://github.com/openBackhaul/macInterface/issues/29">https://github.com/openBackhaul/macInterface/issues/29</a></li> <li>• <a href="https://github.com/openBackhaul/macInterface/issues/30">https://github.com/openBackhaul/macInterface/issues/30</a></li> </ul> <p>all for issues on the agenda for decision next week 2020-07-29 - Please send comments to be addressed until 2020-07-27 - Thanks!</p>                                                                                                       |
| --    | RMON                   | @Andreas Lattoch | <p>rxCollisions attributes to be added to WireInterfaceStatus and WireInterfacePerformanceType</p> <ul style="list-style-type: none"> <li>• <a href="https://github.com/openBackhaul/wireInterface/issues/31">https://github.com/openBackhaul/wireInterface/issues/31</a></li> <li>• <a href="https://github.com/openBackhaul/macInterface/issues/31">https://github.com/openBackhaul/macInterface/issues/31</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| --    | RMON                   | @Andreas Lattoch | <p>frame counters</p> <ul style="list-style-type: none"> <li>• RFC2819 - no history</li> <li>• Proposal: Moving from history to statistics</li> </ul> <p><a href="https://github.com/openBackhaul/macInterface/issues/33">https://github.com/openBackhaul/macInterface/issues/33</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| --    | RMON                   | @Andreas Lattoch | <p>Proposal of removal of "unused"/"unsupported" counters.</p> <ul style="list-style-type: none"> <li>• EthernetContainer</li> <li>• MacInterface</li> </ul> <p>Please check the proposals:</p> <ul style="list-style-type: none"> <li>• <a href="https://github.com/openBackhaul/ethernetContainer/issues/43">https://github.com/openBackhaul/ethernetContainer/issues/43</a></li> <li>• <a href="https://github.com/openBackhaul/macInterface/issues/34">https://github.com/openBackhaul/macInterface/issues/34</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| --    | AlarmCapabilities      | Thorsten Heinze  | <p>Latest testing showed that none of the devices under test is supporting alarms in the PureEthernetStructure and the HybridMwStructure.</p> <p>Vendors not participating in the tests also confirmed that their devices don't implement alarms on these interfaces.</p> <p>It should be considered to remove all attributes, data types and classes related to alarming from the PureEthernetStructure and the HybridMwStructure modelings.</p> <p><a href="#">Thorsten Heinze</a> created the following two issues on the openBackhaul Github for being discussed and decided before the next update of the respective modelings:</p> <ul style="list-style-type: none"> <li>• <a href="https://github.com/openBackhaul/pureEthernetStructure/issues/19">https://github.com/openBackhaul/pureEthernetStructure/issues/19</a></li> <li>• <a href="https://github.com/openBackhaul/hybridMwStructure/issues/22">https://github.com/openBackhaul/hybridMwStructure/issues/22</a></li> </ul> |

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|-------|------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 00:?? | Identification of Object instances | @all            | <p>How to align between Controller/Apps/Mediator/Devices?</p> <p>Please see related email: <a href="https://groups.google.com/a/opennetworking.org/forum/#!topic/wireless-transport/daCPBnPKJzo">https://groups.google.com/a/opennetworking.org/forum/#!topic/wireless-transport/daCPBnPKJzo</a></p> <p>Feedback from vendors available =&gt; Vendors confirmed to be able to store an external equipment label and an external interface label on the device.</p> <p>The following text has been added to the TransmitterEquipment document:</p> <p>ControlConstruct and LogicalTerminationPoint</p> <ul style="list-style-type: none"> <li>• While creating an instance of ControlConstruct or LogicalTerminationPoint, an instance of the NameAndValue datatype at the name attribute, which is inherited from the GlobalClass, shall be automatically created and filled with valueName: "externalLabel" and value: ""(empty String).</li> <li>• After rebooting, the interface (e.g. mediator) the last configured value shall be represented again.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 00:00 | dropping-behavior                  | Thorsten Heinze | <p>dropping-behavior-kind on device/switch level - <a href="#">link to issue</a></p> <p>AI: Danilo Pala, Michael BinderDaniela Spreafico: Please provide options how to solve the issue and a recommendation for discussion next week.</p> <p>AI: Martin SkorupskiWork out a proposal to be discussed next week.</p> <p>based on the proposal made in the issue:</p> <p>Proposal:<br/>The dropping-behavior-kind shall become part of a Profile,</p> <ul style="list-style-type: none"> <li>• which can be instantiated multiple times, in case the device allows independently adjusting the dropping-behavior-kind per interface,</li> <li>• or just a single time, in case the device allows adjusting the dropping-behavior-kind just on device/switch level.</li> </ul> <p>further details should be agreed.</p> <ol style="list-style-type: none"> <li>1. A new profile type should be created, called "PROFILE_NAME_TYPE_DROPPING_PROFILE"</li> <li>2. The profile details are just extensible ENUM (yang: identity) similar like "dropping-behavior-kind-type"</li> <li>3. <b>ethernet-container-capability</b>: available-dropping-behavior-kind-list will be of type "identity-ref" to the PROFILE_NAME_TYPE_DROPPING_PROFILE</li> <li>4. <b>ethernet-container-configuration</b>: dropping-behavior-kind will be of type of type "identity-ref" an entry in <b>ethernet-container-capability/available-dropping-behavior-kind-list</b></li> <li>5. The pointers from ethernet-container-capability and ethernet-container-configuration allow the following use cases       <ol style="list-style-type: none"> <li>a. The EthernetSwitch (FD) allows only one Profile, all capabilities and all configuration are "static" because only one Profile exists. Any dynamic configuration happens in the Profile itself.</li> <li>b. Several Profiles with different configuration/behavior exists - ("static profiles"). Any configuration happens only by switching the profile.</li> <li>c. a combination of a) and b), which is not recommended due to unnecessary complexity.</li> </ol> </li> </ol> <p>Conclusion during the discussion:</p> <ul style="list-style-type: none"> <li>▪ investigate in       <ul style="list-style-type: none"> <li>▪ adding another ethernet-container-capability attribute to express, if the LTP           <ul style="list-style-type: none"> <li>▪ can,</li> <li>▪ must,</li> <li>▪ must-not follow the configuration on device (forwarding-domain?) level</li> </ul> </li> <li>▪ creating a device (forwarding-domain) PAC to url:specify (yang:augment) ETH-Switch capabilities and configuration</li> </ul> </li> <li>▪ Further discussion on agenda for 2020-06-10.</li> </ul> |
| 00:00 | ComboPort                          | Robert Servadio | <p>See contributions:</p> <ul style="list-style-type: none"> <li>▪ <a href="https://wiki.opennetworking.org/download/attachments/265093121/ALCp2e_Equipment_Management.pptx?api=v2">https://wiki.opennetworking.org/download/attachments/265093121/ALCp2e_Equipment_Management.pptx?api=v2</a></li> <li>▪ <a href="https://wiki.opennetworking.org/download/attachments/265093121/ethernet-combo-port-as-fc-switch.pptx?api=v2">https://wiki.opennetworking.org/download/attachments/265093121/ethernet-combo-port-as-fc-switch.pptx?api=v2</a></li> </ul> <p>Switching the port by management interface CoreModel solution is ForwardingConstruct with FC-Switch.</p> <p>AI: Martin SkorupskiShow how this works with CoreModel 1.4</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Action items