Microwave Radio Link
Problem Statement

draft-mwdt-ccamp-problem-statement-00

IETF 96 - Berlin – CCAMP WG

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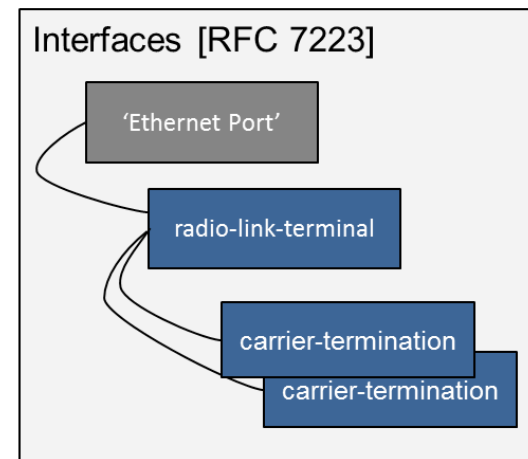M. Vaupotic (Aviat Networks)   I. Akiyoshi (NEC)

SCOPE

- <u>**Problem Statement**</u> *–> Gap Analysis –> YANG Data Model*

- Framework for management & control of radio link interfaces including their relationship to other packet interfaces in a microwave node.

- Microwave & millimeter wave   -   6 GHz ʹ +100GHz
  - Radio link functionality in 3G/4G/5G and
    WiFi base stations is outside the scope

- For traditional NMS &
  unified management within SDN
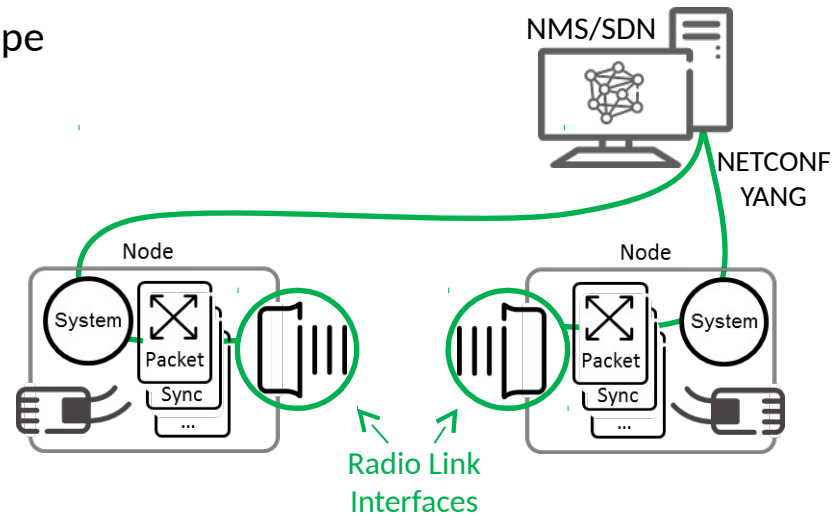
PROBLEM STATEMENT – IN SHORT

A YANG data model for radio link interfaces that ...

- is aligned with models for other interfaces in a microwave node, e.g. leverage RFC 7223

- supports feature/product specific extensions

- considers "Microwave Modeling - ONF Wireless Transport Group" & "draft-ahlberg-ccamp-microwave-radio-link-01" as a starting point

- supports use cases for
  - configuration management
  - fault management
  - performance management

Interfaces [RFC 7223]

'Ethernet Port'

radio-link-terminal

carrier-termination

carrier-termination

Open Topics

- Is there a generic approach for feature/products specific extensions in IETF YANG?

- Is there a need to support use cases where the node provides an abstracted view to an SDN controller, in addition to the possibility to operate on each individual parameter?

Status & Way Forward

- -00 version published July 8

- Collect feedback from the working group
- Resolve open topics
- Submit an updated -01 version
- Reach WG adoption status

- In parallel, start up work on the Gap Analysis
- Followed by the YANG Data Model

Q&A

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