

# A YANG Data Model for Microwave Topology

draft-ietf-ccamp-mw-topo-yang-05

<https://datatracker.ietf.org/doc/html/draft-ietf-ccamp-mw-topo-yang-05>

J. Ahlberg (Ericsson)

I. Busi (Huawei)

S. Mansfield (Ericsson) - presenting

D. Spreafico (Nokia)

M. YE (Huawei)

X. Li (NEC)

# Status

- Main changes compared to previous version
  - Split draft into three drafts
    - A YANG Data Model for Microwave Topology
      - <https://github.com/ietf-ccamp-wg/draft-ietf-ccamp-mw-topo-yang>
    - A YANG Data Model for Bandwidth Availability Topology
      - <https://github.com/ietf-ccamp-wg/draft-ietf-ccamp-bwa-topo-yang>
    - A YANG Data Model for Interface Reference Topology
      - <https://github.com/ietf-ccamp-wg/draft-ietf-ccamp-if-ref-topo-yang>
  - No material changes to the content, just moved it around to enable the bandwidth availability topology and interface reference topology work to be reused by other technologies (not just for microwave)
  - As noted by a CCAMP WG Chair:
    - Please note that the two new drafts have been published as WG documents since it's just a split of the model already adopted by the WG.
    - See summary here:  
<https://mailarchive.ietf.org/arch/msg/ccamp/2NICZa6rN85bm9eezYrwwNtbhmc/>

# Issues and To do

- For the Interface Reference Topology
  - [Issue #3](#) has two open topics
    - Location of tp-to-interface-ref node in the YANG tree. The authors agree, but the change has not yet been implemented. Add this information to the presentation for IETF 116.
    - Which working group will be the best home to progress if-ref-topo-yang and bwa-topo-yang
    - Created new issues to highlight the discussions that need to complete.
      - [if-ref-topo-yang-git: Issue #5](#), update the location of tp-to-interface-ref node.
      - [if-ref-topo-yang-git: Issue #6](#), find a working group home for bwa-topo-yang and if-ref-topo-yang.
- Keep the Informative Example in mw-topo-yang up to date with any changes to tree structure related to issue above

# Plan

- Last Call on Microwave Topology YANG
- Socialization of bandwidth availability topology yang and interface reference topology yang
  - And find a home working group
- Continue weekly conference calls
  - 0500-0600 (UTC -4) (EDT)
- Discuss plan for an update to RFC 8561 (A YANG Data Model for Microwave Radio Link)
  - The draft is still in “individual draft” state
    - <https://github.com/samans/draft-ybam-rfc8561bis>
  - The generic rlt-mode could be added in a bis of RFC 8561
  - Better encapsulation of microwave radio link characteristics (thus simplifying the microwave topology model)
  - Other enhancements like Latency, Fade, BER, Power consumption etc. could be explored