A YANG data model to manage configurable DWDM optical interfaces

draft-ietf-ccamp-dwdm-if-param-yang-13

Co-authors (frontpage):

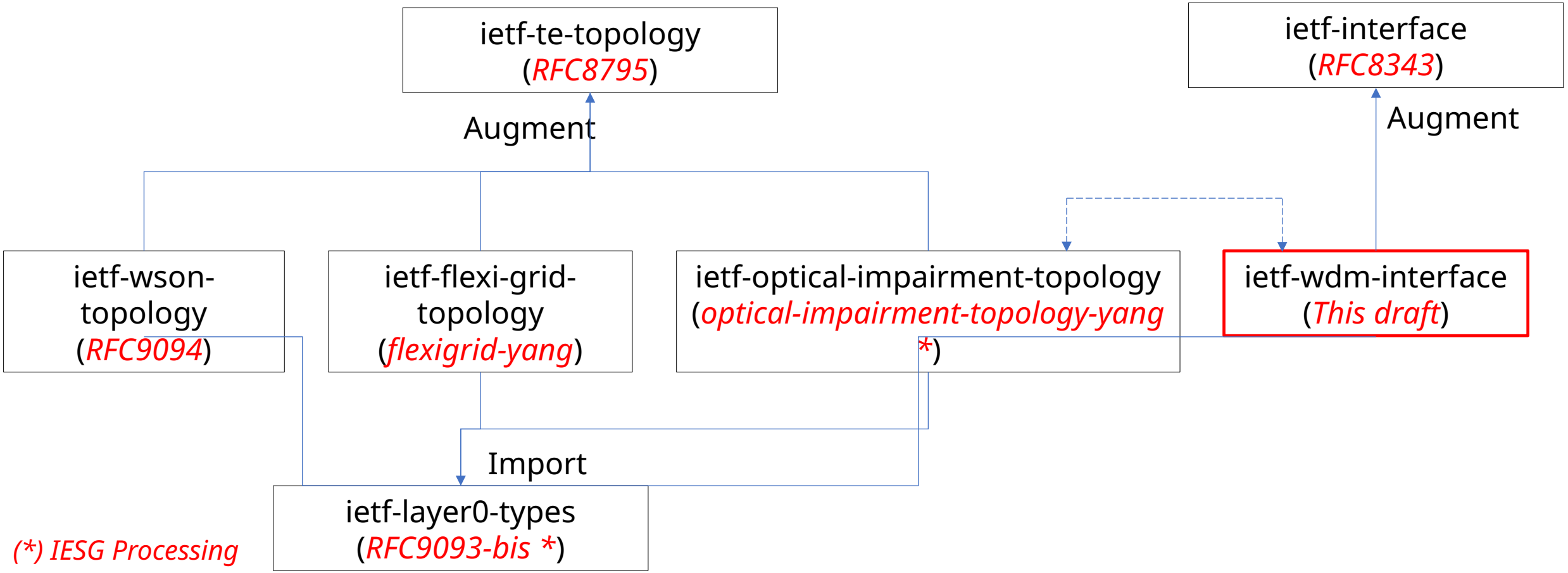
Dirk Breuer
d.breuer@telekom.de

Gabriele Galimberti
ggalimbe56@gmail.com

Dharini Hiremagalur
dharinih@juniper.net

Gert Grammel

Model Relationship



This draft and optical-impairment-topology-yang share the same model structure defined in RFC9093-bis for the presentation of the transceiver transmission mode selection and capabilities.

Other data types defined in RFC9093-bis are also used in this draft

draft-ietf-ccamp-dwdm-if-param-yang-13 update

- Complements the draft-ietf-ccamp-optical-impairment-topology-yang models
  - Following definitions from RFC8369 a complete toolset is provided
    - Draft-ietf-ccamp-optical-impairment –topology-yang can be considered as a “network model”
    - This draft can be considered as a “device model”
- References draft-ietf-ccamp-rfc9093-bis
- Document aligned with the above documents
- Sections reorganization to align to template defined in rfc8407bis
- Open Issues to be addressed in GitHub:
  - https://github.com/ietf-ccamp-wg/draft-ietf-ccamp-dwdm-if-param-yang
  - Closed issues: 13
  - issue open that track some unaddressed comments: 6, 7 and 8

Document changes

- Fixed references to RFC and ITU-T
- Modified/Explained some terminology and text:
  - TCA description
  - TCA thresholds change the “hysteresis” value to “rise” and “clear” threshold
- Removed/changed some redundant parameter:
  - Changed TCA threshold name:
    - Added TCA name tca-name
    - max-threshold raise-threshold
    - threshold-hysteresis clear-threshold
    - wdm-if-min-tca wdm-if-tca
    - transmitter-tuning-range transceiver-tuning-range. In general changed transmitter to transceiver
- Fixed some Yang model errors
- Added Italo to acknowledgements and changed some affiliations

Next Steps

- Yang Doctors review needed
- After Yang doctor review, fix the issues and go for the last call