

A YANG Data Model for Layer 0 Types - Extension

draft-esdih-ccamp-layer0-types-ext-01

Co-authors (frontpage):

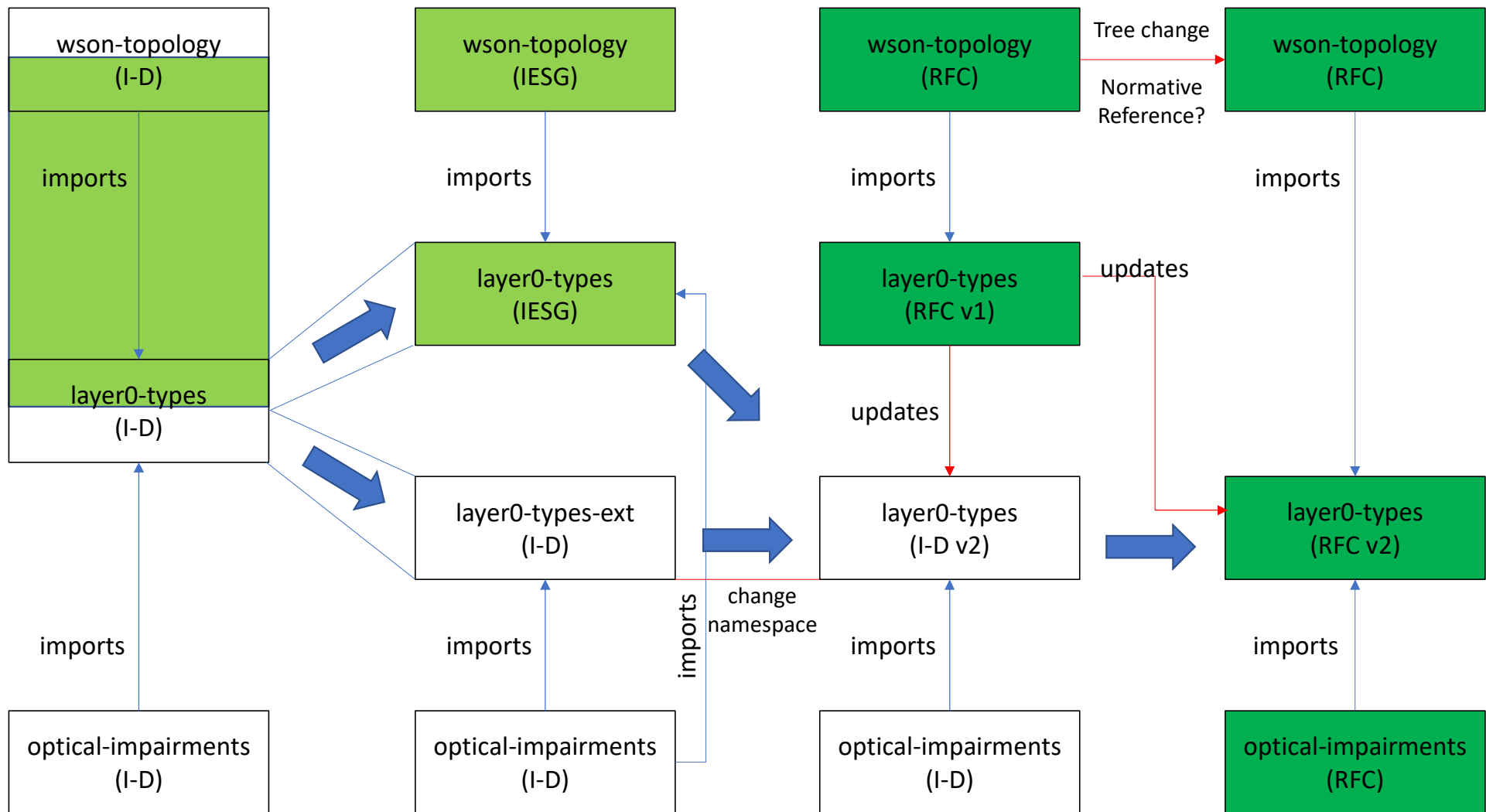
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Background

- [draft-ietf-ccamp-layer0-types-09](#) has been reduced in scope, before publication, to only cover spectrum management related aspects to cover the impairment free optical drafts e.g. the YANG module ietf-wson-topology defined in draft-ietf-ccamp-wson-yang.
- This document complements the content of “layer0-type”
 - reconciling the different transponder related parts of different models (WSON, flexgrid, dwdm-if-param, optical impairments)
 - covering also impairment aspect of optical networks (e.g. draft-ietf-ccamp-optical-impairment-topology-yang)
 - using common YANG structures and definitions (typedefs, identities, groupings).
- The life cycle of this draft will be in parallel of draft-ietf-ccamp-layer0-types and will be updated with the content of layer0-type as soon as it will reach publication as well as wson-topology draft, changing the name as layer0-type . (see next slide for reference)



Status of the new document

- Added new other YANG structures (groupings, identity..) in particular used by draft-ietf-ccamp-optical-impairment-topology-yang and in prospective by draft-ietf-ccamp-dwdm-if-param-yang.
 - Added new identities for power equalization
 - Moved definitions of the fiber-type identities
 - Added new grouping for penalties related to polarization dependent loss
 - Added new grouping for C+L band frequency range
 - Change definition of “otsi-carrier-bandwidth” to describe more the bandwidth (or portion of the spectrum) required by a specific Carrier
 - Introduced new attributes related to otsi-carrier-bandwidth :
 - Nyquist-spacing-factor, roll-off, xtalk-penalty

Next Steps

- WG adoption: poll for WG adoption is expecting to start in the coming days , when IPR polling is completed.
- Add other YANG structures (grouping, identities, etc) as needed promoting the sharing of the same YANG structures among LO YANG models in CCAMP

