

A YANG Data Model for Microwave Radio Link

draft-ietf-ccamp-mw-yang-04

<https://github.com/ietf-ccamp-mw/IETF-CCAMP-Microwave-YANG-Data-Model>

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Status

- From 02 -> 03
 - Editorial changes to better adhere to the IETF Documentation Guidelines
 - RFC 6087 - Guidelines for Authors and Reviewers of YANG Data Model Documents
 - RFC 2223 - Instructions to RFC Authors
 - RFC 5741 - RFC Streams, Headers, and Boilerplates
 - RFC 7322 - RFC Document Style
 - Simplified data node names
 - Removing repetition of container name in constituent data nodes
 - Addition of examples
 - Examples on how to instantiate the model for two typical radio link configurations, 1+0 & 2+0.
- From 03 -> 04
 - Updates based on comments from Tom Petch – Thanks!
 - Addition of missing references
 - Miscellaneous editorial corrections

Model Changes

Simplified Names

```

module: ietf-microwave-radio-link
+--rw radio-link-protection-groups
| +--rw protection-group* [name]
| | +--rw name string
| | +--rw protection-architecture-type? identityref
| | +--rw protection-members* if:interface-ref
| | +--rw protection-operation-type? enumeration
| | +--rw working-entity* if:interface-ref
| | +--rw revertive-wait-to-restore? uint16
| | +--rw hold-off-timer? uint16
| | +--rw protection-status? identityref
| | +--x protection-external-commands
| | +---w input
| | +---w protection-external-command? identityref
+--rw xpic-pairs {xpic}?
| +--rw xpic-pair* [name]
| | +--rw name string
| | +--rw enabled? boolean
| | +--rw xpic-members* if:interface-ref
+--rw mimo-groups {mimo}?
+--rw mimo-group* [name]
| +--rw name string
| +--rw enabled? boolean
| +--rw mimo-members* if:interface-ref

```



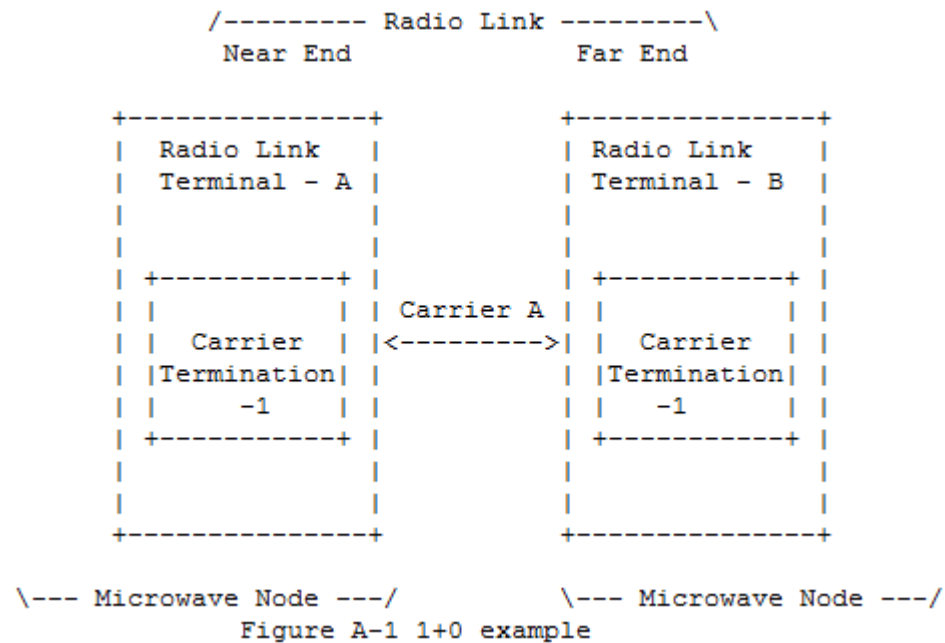
```

module: ietf-microwave-radio-link
+--rw radio-link-protection-groups
| +--rw protection-group* [name]
| | +--rw name string
| | +--rw architecture-type? identityref
| | +--rw members* if:interface-ref
| | +--rw operation-type? enumeration
| | +--rw working-entity* if:interface-ref
| | +--rw revertive-wait-to-restore? uint16
| | +--rw hold-off-timer? uint16
| | +--rw status? identityref
| | +--x external-commands
| | +---w input
| | +---w external-command? identityref
+--rw xpic-pairs {xpic}?
| +--rw xpic-pair* [name]
| | +--rw name string
| | +--rw enabled? boolean
| | +--rw members* if:interface-ref
+--rw mimo-groups {mimo}?
+--rw mimo-group* [name]
| +--rw name string
| +--rw enabled? boolean
| +--rw members* if:interface-ref

```

Addition of Examples

Instantiation of Configurations



Near End – Radio Link Terminal - A

```
"interface": [
{
//RLT-A
"name": "RLT-A",
"description": "Radio Link Terminal A",
"type": "mrl:radio-link-terminal",
"id": "RLT-A",
"mode": "one-plus-zero",
"carrier-terminations": [
"RLT-A:CT-1",
],
},
{
//CT-1
"name": "RLT-A:CT-1",
"description": "Carrier Termination 1",
"type": "mrl:carrier-termination",
"carrier-id": "A",
"tx-enabled": true,
"tx-oper-status": on
"tx-frequency": 10728000,
"duplex-distance": 644000,
"channel-separation": 28,
"polarization": not-specified,
"power-mode": rtbc,
"coding-modulation-mode": 0,
"selected-cm": "gam-512"
},
],
```

Way Forward

- The model definition considered to be complete and stable
- Asking for WG LC