

60802 Diagnostics

Proposed text for integration in 60802 D1.4

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Subclause to be inserted after Subclause 6.9.8.2:

6

6.9.8

6.9.8.3 Usage of YANG Push

IA-station diagnostics shall be implemented by YANG-Push subscriptions as defined in RFC 8641 (YANG Push) and RFC 8639 (Subscribed Notifications).

IA-Stations shall support the “subtree” selection filter as defined in RFC 8041 Clause 3.6

6.9.8.4 Mandatory RPCs

An IA-Station shall support following RPCs as defined in RFC 8641:

- a) establish-subscription
- b) modify-subscription
- c) delete-subscription
- d) kill-subscription

6.9.8.5 Mandatory Notifications

An IA-Station shall support following notifications as defined in RFC 8641

- a) subscription-resumed
- b) subscription-modified
- c) subscription-terminated
- d) subscription-suspended
- e) push-update
- f) push-change-update

6.9.8.6 Mandatory Diagnostics Data Nodes

An IA-Station shall provide following data nodes for diagnostic purpose:

Data to be provided as “On-change” subscription:

- a) Change of link-status
- b) Change of MAU-type
- c) Change of sync-status

Data to be provided as periodic time-aligned subscriptions:

- d) dropped frames statistic counters for external ports
- e) VLAN specific counters

Editor's note: detailed location of nodes in YANG tree to be inserted

6.9.9 Usage of NETCONF Notifications

The binding of a stream of events shall be implemented according to RFC 8640 (NETCONF Notifications).

According to RFC 8640 Clause 4 the "encode-xml" feature and the "NETCONF" event stream of RFC8639 shall be supported.

An IA-station shall support dynamic subscriptions as defined in RFC 8640 Clause 5, 6 and 7.