DOTS Signal Channel

draft-reddy-dots-signal-channel-10

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Highlights

• DOTS YANG Data Models
  ▪ DOTS Mitigation request model
  ▪ DOTS Session configuration model
  ▪ Encoding rules defined in [I-D.ietf-core-yang-cbor](https://datatracker.ietf.org/doc/html/draft-reddy-dots-signal-channel-10) for CBOR encoding of data models with YANG
  ▪ Used pyang [https://github.com/mbj4668/pyang](https://github.com/mbj4668/pyang) to validate the YANG modules
Highlights

• CBOR
  ▪ All parameters in DOTS signal channel are mapped to CBOR types
Highlights

• Mitigation request/response messages are marked as non-confirmable.
• Non-confirmable requests are sent at regular intervals until a response is received.
• Channel configuration/setup messages are flagged as confirmable.
Highlights

• Heartbeat mechanism using “CoAP ping”
• (D)TLS 1.3
• Added support for vendor specific parameters.
• Added new Mitigation status parameters: bytes_dropped, bps_dropped, pkts_dropped and pps_dropped.
• Consider adoption of this document as a WG item
• Comments and questions are welcome.