Backup slides - Data model

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Data model

- **SCHC Context**
  - Space of rules, each rule identified by Rule ID
  - Each rule may e EITHER Compression OR Fragmentation
  - Behavior / parameters of compression and fragmentation need to be described on a per-rule basis

- **SCHC Endpoint Metadata**
  - Other relevant information may also be necessary for two SCHC Endpoints to interoperate
    - E.g. device class (in LoRaWAN: class A, B, C), recommended fragmentation mode, multi-fragmentation streams, max recombination window, etc.
    - Maybe we'll think of something else in the future?
  - Orthogonal to SCHC Context

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SCHC Profile

Data model

- SCHC Profile
  - SCHC Context
    - Rule ID (number + size)
      - Type: Compression or Fragmentation
      - If Compression:
        - » Parameters: Compression fields, etc.
      - If Fragmentation:
        - » Parameters: Type (e.g. No-Ack, Ack-on-Err), Window size, behavior, etc.
  - SCHC Endpoint Metadata
    - L2Technology
    - …

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YANG module: ietf-lpwan-schc-profile.yang

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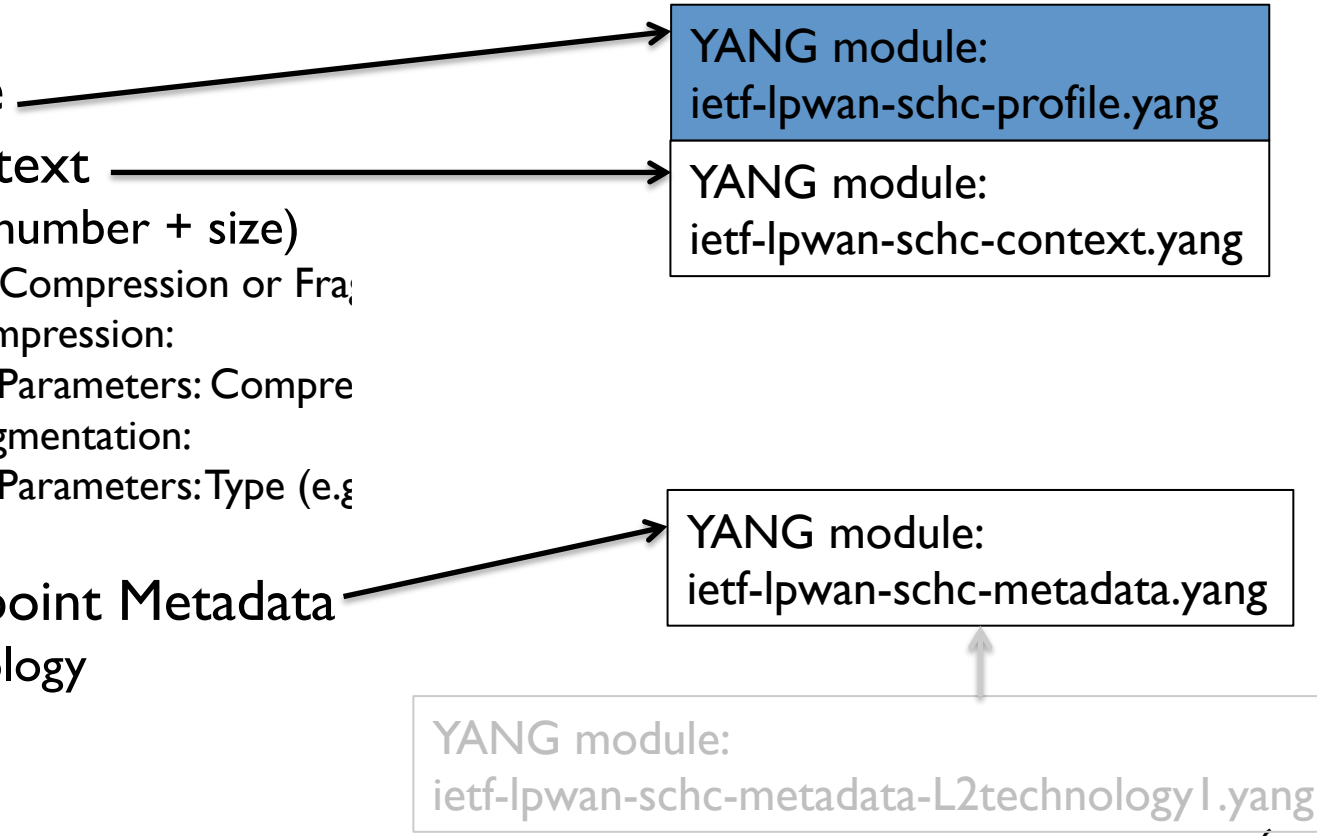
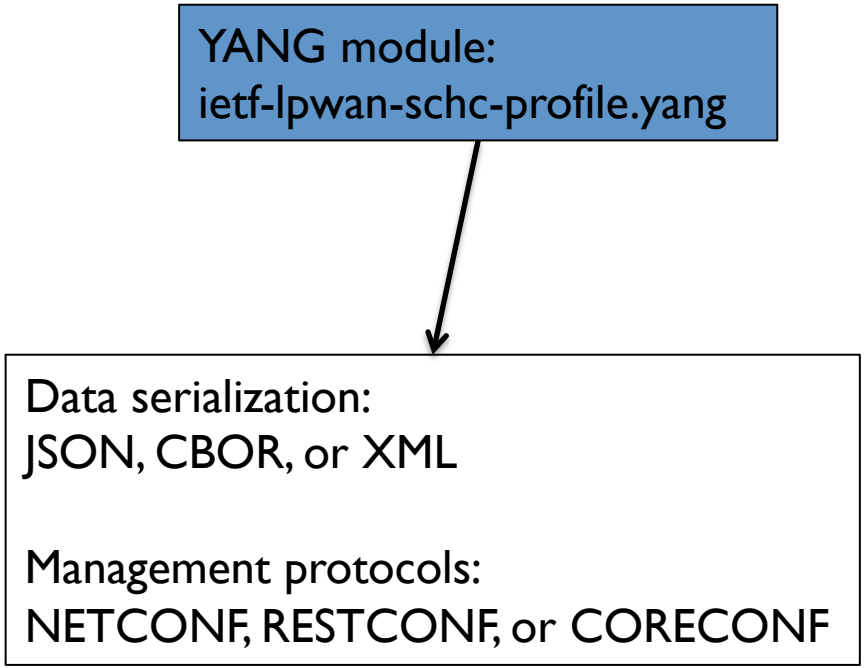


Data model


YANG module:
ietf-lpwan-schc-profile.yang
Data serialization:
JSON, CBOR, or XML
Management protocols:
NETCONF, RESTCONF, or CORECONF

Data model - planning

1. Agree on structure

   We already have quite a lot of information here !

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Data model - planning

1. Agree on structure

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2. Write a first YANG model

   Already some work done, needs update

3. See YANG doctors

   Iterate