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# Configuration Data Model for IPFIX and PSAMP

draft-ietf-ipfix-configuration-model-04

Gerhard Münz, Benoit Claise, Paul Aitken

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# Changes in -04

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## ▶ Additional information in UML class diagrams:

- model-specified default values (e.g., `ipfixVersion = 10`)
- parameters which are set by device if not configured by user labeled as `{opt.}`
- optional parameters indicated by multiplicity `[0..1]` or `[0..*]`
- restricted parameter usage/availability (e.g., `{SCTP only}`)
- state parameters labeled as `{readOnly}`

# Changes in -04

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## ▶ PSAMP parameters:

- priority on conformance with PSAMP RFCs, not with outdated PSAMP MIB structure
  - ▶ Example: match filter configured for single value IE value (as in Selector Report Interpretation). The PSAMP MIB still contains range
- removed samplers and filters which are not mentioned RFC5476:
  - ▶ non-uniform probabilistic sampling
  - ▶ flow state sampling
  - ▶ router state filtering
  - ➔ can be standardized later or added as vendor-specific extensions
- parameter names consistent with PSAMP information model
- missing parameter descriptions added

## Changes in -04 (cont'd)

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### ▶ **SCTP parameters:**

- no use case to configure (un)ordered delivery per Transport Session
- `orderedDelivery` removed

### ▶ **Options Templates:**

- removed possibility to configure individual Options Template fields  
→ no use case, let the Monitoring Device choose an appropriate Template

# Changes in -04 (cont'd)

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## ▶ IDs:

- `observationPointId`, `selectionSequenceId`, `selectorId`, are state parameters now (i.e., not configurable any more)
  - ➔ no use case to configure the Ids but configurable description names exist
  - ➔ simplifies the data model specification
  - ➔ Monitoring Device does not have to check consistency of user input wrt. uniqueness/scope of ID values

## ▶ Cache parameters:

- clarified meaning of `activeTimeout`, `inactiveTimeout` for different Cache Modes

# Next Steps

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- ▶ No more open issues
  - Except a YANG bug correction (Andy Bierman)
- ▶ Are we ready for WGLC?
  - From an IPFIX point of view, yes
  - From a YANG point of view, we don't know