

PSAMP Information Model

IETF-65 March 22nd, 2006

`<draft-ietf-psamp-info.txt>`

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New sections

- **PSAMP Documents Overview**
- **Terminology**
- **Overloading Information Elements**

Closed Issues

- **Many Open Issues closed.**

most were proposals, now written into the body of the text.

For example, “PROPOSAL: we won't overload Information Elements with multiple meanings or re-use them for multiple purposes” has become the new “Overloading Information Elements” section.

New Open Issue:

- Should the **ipHeaderPacketSection** and **mplsLabelStackSection** also report payload contents if the specified section length is longer than the header or stack size, respectively?
- **PROPOSAL:** define that the section contains a series of octets starting from the beginning of the IP header / label stack and continuing through the payload up to the limit of the available data.
 - discussion on the mailing list.

New Information Elements

- **informationElementId**
- **observationTimeSeconds, observationTimeMilliseconds, observationTimeMicroSeconds, observationTimeNanoSeconds**
- **digestHashValue**
- **hashIPPayloadOffset, hashIPPayloadSize**
- **hashOutputRangeMin, hashOutputRangeMax**
- **hashSelectedRangeMin, hashSelectedRangeMax**
- **hashDigestOutput**
- **hashInitialiserValue**

Renamed Information Elements

- **pathId → selectionSequenceld**
- **I2HeaderPacketSection, I2PayloadPacketSection → dataLinkFrameSection**
- **samplingProbabilityN, samplingProbabilityM → samplingProbability**
- **accuracy → fixedError, relativeError**

Deleted Information Elements

- **selectorInputSequenceNumber**
 - same as **packetsSelected**
- **meteringProcessId**
 - already exists in IPFIX!
- **selectorType**
 - combined with **selectorAlgorithm**

selectorAlgorithm

Removed:

- Non-uniform probabilistic sampling
- Non-uniform flow state sampling
- Match based filtering
- Hash based filtering
- Router state filtering

Added:

- Property match filtering
- Hash based filtering using BOB
- Hash based filtering using IPSX
- Hash based filtering using CRC
- The intention is that in future, the selectorAlgorithm registry will be maintained by IANA.

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