Operation of the IPFIX Protocol on IPFIX Mediators

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Status

- No update in Atlanta
- New -03, -04 revisions since
- *All open issues now have a proposed solution.*

Contents

- §2 Terminology *in line with other docs*
- §3 Handling IPFIX Message Headers
- §4 Template Management
  - §4.1 Passing Unmodified Templates *update*
  - §4.2 Creating New Templates
  - §4.3 Handling Unknown IEs *new*

Contents

- §5 Preserving Original OP Information
- §6 Managing Observation Domain IDs
- §7 Timing Considerations
- §8 Transport Considerations
- §9 Collecting Process Considerations
- §10 Specific Reporting Requirements
- §11 Configuration Management

§4.1 Unmodified Templates

- §4.1 now explicitly addresses handling of "template-scoped metadata"

  - Any metadata that can be linked to the template (i.e., changing its semantics) SHOULD appear in the template mapping.

- New §4.1.1 on IE ordering within template mappings:

  - Templates compared as sets, not sequences
  - Options Templates compared as sequences

§4.3 Unknown IEs

- Mediators using Template Mappings SHOULD re-export values for unknown IEs.
- Mediators MUST NOT omit fields from such re-exported Records, or re-order any fields within the Records.
  - and MUST NOT pass values of unknown Information Elements unless all such values are passed on in the original order in which they were received.

Next Steps

- Proposed solutions for all open issues
- Discussion, last call, publication request