RFC5102bis

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< draft-claise-ipfix-protocol-rfc5102bis-01>

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Errata + Editorial

- **Technical Errata 1307, 1492, 1736, 2879, 2944, 1737, 2945, 1738, 2946, 1739**

- **New "IPFIX Document Overview"**

Technical Issue: Clarified the time-related IEs

- **OLD: 3.1.15. dateTimeSeconds**

  The type "dateTimeSeconds" represents a time value in units of seconds based on coordinated universal time (UTC). The choice of an epoch, for example, 00:00 UTC, January 1, 1970, is left to corresponding encoding specifications for this type, for example, the IPFIX protocol specification. Leap seconds are excluded. Note that transformation of values might be required between different encodings if different epoch values are used.

- **NEW: 3.1.15. dateTimeSeconds**

  The type "dateTimeSeconds" represents a time value in units of seconds since the UNIX epoch, 1 January 1970 at 00:00 coordinated universal time (UTC), excluding leap seconds.

- **Note: we fixed them all**

Conclusion so Far

- **Please review all the changes**

- **To be done: IPFIX Documents Overview**

- **Five open issues left**

Open Issue 1: IANA

- ## Should we repeat the IEs in this RFC or should we point to IANA?

- ## Proposal:

    ## simply refer to the IPFIX IANA registry

Open Issue 2: XML?

- **IPFIX XML in RFC5102 is different in the XML in the IPFIX IANA registry?**

  Solved if we refer to IANA

Open Issue 3: IE-Doctor

- **Clarify the interaction with http://tools.ietf.org/html/draft- trammell-ipfix-ie-doctors-02**

  RFC5102 bis informative reference to IE-doctors

  IE-doctors normative reference to RFC5102bis

Open Issue 4: IE reference to RFC5101

5.2.7.   exportProtocolVersion

   Description:

      The protocol version used by the Exporting Process for sending

      Flow information. The protocol version is given by the value of

      the Version Number field in the Message Header. The protocol

      version is 10 for IPFIX and 9 for NetFlow version 9. A value of 0

      indicates that no export protocol is in use.

   Abstract Data Type: unsigned8

   Data Type Semantics: identifier

   ElementId: 214

   Status: current

   Reference:

      See the IPFIX protocol specification [RFC5101] for the definition

      of the IPFIX Message Header.

      See RFC 3954 for the definition of the NetFlow version 9 message

      header.

Open Issue 4: IE reference to RFC5101

- **Some IE definitions have a reference to RFC5101. Should they refer to RFC5101bis?**

- **No because RFC5101bis will obsolete RFC5101**

- **So no changes.**

Open Issue 5: to be done

- **Found "to be done" in the appendix A in "<attribute name="group" type="string" use="require**

- **And also in http://www.iana.org/assignments/xml-registry/schema/ipfix.xsd**

- **To be checked!**