IE-DOCTORS

Guidelines for Authors and Reviewers
of IPFIX Information Elements
draft-ietf-ipfix-ie-doctors-03

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Status

- New -03 revision after Paris incorporating review comments

- IETF LC completed 17 July

- GEN-ART and SECDIR reviews received

- Many last-minute IETF LC comments from Paul Aitken, to be incorporated

Open issue: ESIE Reference in Registry

- Two options for transitioning handling Enterprise-Specific IEs to IANA

  - store reference in the IANA registry (rev. -03)

  - define Options Template for IE equivalence, export inline as in RFC 5610 (suggestion from Paul Aitken)

- See http://www.ietf.org/mail-archive/web/ipfix/current/msg06462.html

Open issue:
ESIE Reference in Registry

- Pros
  - allows Exporters to define equivalences they know about
  - doesn't require Collectors to keep up with equivalences from IANA

- Cons
  - removal of a column from IANA registry during IETF LC
  - needs a new draft to define Options Template

Open Issue: Deprecation

- RFC5102(-bis) specifies "deprecated" and "obsolete" IE statuses, but does not define a policy for using them.

- IE-DOCTORS specifies:

  - IEs deprecated after being replaced by a better representation for the same information and SHOULD NOT be used.

  - IEs obsoleted after being deprecated for [an long period of time] and MUST NOT be used.

- *Is this realistic?*

Open Issue: Deprecation

- The problem: *updating the protocol does not update the installed base*

  - Collectors will still have to support deprecated/ obsolete IEs from old Exporters

  - Exporters may be configurable to send deprecated/ obsolete IEs to old Collectors.

- Given this, do we need two status points for "dead" or does one suffice?

- See http://www.ietf.org/mail-archive/web/ipfix/current/ msg06465.html

Next steps

- Answer ESIE reference question

- Answer deprecation question

- Apply outstanding comments from reviews to new -04 revision

- Request publication shortly after Vancouver