

IPFIX IPv6/TCP/UDP I-Ds Set: Updates & Next Steps

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Update Since IETF#118

- The set of I-Ds was *WGLCed*
 - with tcpm, tsvwg, 6man, and ipfix
- *Received all* requested early directorate reviews and *addressed them all*
 - simple-fixes: genart, opsdir
 - tcpo-v6eh: intdir, tsvart, opsdir
 - udp: tsvart, opsdir
- Addressed *Shepherd reviews*

draft-ietf-opsawg-ipfix-fixes-06

- **Remove** the ipv6ExtensionHeaders and tcpOptions updates as these are now deprecated in favor of the new IEs
- **Move** the “IPFIX Subregistry for IPv6 Extension Headers” new registry to the v6eh spec
- Clarify why we **don't tag the document as updating** RFC 7011
- Some edits for better readability

draft-ietf-opsawg-ipfix-tcpo-v6eh-10

- *Deprecate* ipv6ExtensionHeaders and tcpOptions
- Register a *new Abstract Data Type*: unsigned256
 - The data type used for the “tcpOptions” entry was listed as “unsigned”, while there is no such type registered in IANA-IPFIX
- Use *subTemplateList* rather than encoding (Type, Count) in the IE: Define ipv6ExtensionHeaderType and ipv6ExtensionHeaderCount new IEs
- Clarify the expected behavior as to *how ExIDs are identified* in a TCP shared option
- And some other edits

draft-ietf-opsawg-tsvwg-udp-ipfix-07

- Use the *new unsigned256 abstract data type*
 - The data type used for the “udpOptions” entry was listed as “unsigned”, while there is no such type registered in [IANA-IPFIX](#)

octetArray

- The I-Ds use octetArray as abstract data type for some IEs that are encoded as arrays of 16-bit or 32-bit
- Paul Aitken commented that new abstract data types should be considered here: hextetArray/32tetArray
- No change was made
 - The authors think this is not needed because octetArray is an "array of zero or more octets" and that it is up to the definition of the IE to determine how to interpret the octets (including when grouping them into 16 bits, 32 bits)
 - No follow-up on the list since end of January

Next Steps

- Request publication for
 - draft-ietf-opsawg-ipfix-fixes-06
 - draft-ietf-opsawg-ipfix-tcpcv6eh-10
 - draft-ietf-opsawg-tsvwg-udp-ipfix-07
- Sphered write-ups are ready