New ASN.1 Modules for the Evidence Record Syntax (ERS)

<draft-housley-ers-asn1-modules>

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Evidence Record Syntax

- The Evidence Record Syntax (ERS) (RFC 4998) was produces by the LTANS WG, and it provides two ASN.1 modules:

  - one module uses the 1988 syntax, which has been deprecated by the ITU-T

  - another module using the 2002 syntax, which continued to be maintained and enhanced

- This document provides an alternate ASN.1 module that follows the conventions established in RFC 5911, RFC 5912, and RFC 6268

Conveying Evidence Records

- RFC 5276 was also produced by the LTANS WG, and it specifies one mechanism for conveying Evidence Records

    – only one ASN.1 module using the 1988 syntax

- This document provides an alternate ASN.1 module using the 2002 syntax, and the alternate ASN.1 module follows the conventions established in RFC 5911, RFC 5912, and RFC 6268

The ASN.1 Modules

- The original ASN.1 modules get some of definitions from places that are hard to find

- These alternate modules use only definitions that can be found in RFCs

- These alternate ASN.1 modules produce the same bits-on-the wire as the original ones

- These alternate ASN.1 modules will be informative; the original ones are normative

Implementers

- Implementers find RFC 5911, RFC 5912, and RFC 6268 very useful
- Following these conventions will be useful for ERS as well

Way Forward

Recommend AD Sponsored as Informational