Security Requirements for ULE

draft-cruickshank-ipdvb-sec-req-04.txt

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Draft Status - 1

- This draft provides security requirements for MPEG-2 transmission links using the Unidirectional Lightweight Encapsulation (ULE), based on:
  - RFC 4259 (ipdvb architecture)
  - RFC 4326 (ULE method)

- Motivation:
  - Ability to provide security by the MPEG-2 transmission operator in relation to controlling access to the service.
  - Capability to work with IP and non-IP packet formats
  - Protect of ULE Receiver identity within MPEG-2 transmission network.
  - In a case of ULE Receiver receiving many IP streams: the decryption can be performed based on destination L2 address or each IP flow.

Draft Status - 2

- 2 Revs since the last IETF meeting in Montreal (where version 2 was presented)
  - Draft version 3
  - Draft version 4

Draft version 3

- Modified introduction section highlighting the different architectures
- A new section explaining the different system components
- A figure added showing these components
- Restructuring of the sections

Draft Version 4 – current draft

- New modified abstract added
- Added a few paragraphs in section 3.1 regarding:
  - Description of different ULE streams (highlighting the differences between TS and PES) and stressing where security is placed
  - What is PID and its use.
- Modification of some references
- Minor editorial changes according to some emails

Future Plan

- We would like this draft to be adopted as a WG item
- We would like everyone to read and send it their comments via the list
  - Especially the Implementers of ULE to comment on implementability and requirements