The SatLabs DVB-RCS MIB

draft-combes-ipdvb-mib-rcs-06.doc

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ipdvb WG

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The SatLabs DVB-RCS MIB

- **draft-combes-ipdvb-mib-rcs-01.doc**
  - -01 published in July 2007
  - Individual submission (from SatLabs Group members)
  - Draft intended for INFORMATIONAL RFC

- **Change log (-05)**
  - -05 published in May 2009
  - Update following initial comments received from MIB doctors (Dan Romascanu & Bert Wijnen).
  - See following slides

- **Change log (-06)**
  - -06, just published (after submission re-opened on Monday)
  - Update following further comments received from Dan.
    - Including adjustments based on the MIB authoring guidelines (RFC4181)
  - See following slides

Change log (-05)

- Addition of dvbRcs prefix to all descriptors (according to Appendix C of RFC 4181).
- Clarification and complements brought to ODU configuration objects (see section 3.4.1), ODU structural entities definition in dvbRcsRcstSystem group and conformance section.
- Modification of the interface types usage (section 3.3) in order to have alignment with Ethernet interface (dvbRcsMacLayer should count link layer packets and bytes, like Ethernet does, and not IP).
- Updated copyright to reflect current IETF Trust guidelines and advice from Dan Romascanu.

Change log (-06)

- I-D renamed to 'The SatLabs Group DVB-RCS MIB'
- Used name instead of number for DEFVAL where appropriate
- Clarification added in the MIB module description regarding persistency behavior of objects
- Integer32 replaced with Unsigned32 where appropriate
- Obsoleted OBJECT-TYPES (DisplayString, IpAddress) replaced with SnmpAdminString, RFC 4001 and RFC 5017 TCs. Added conformance statements mandating IPv4 support only.
- Clarification of the conformance clauses added in the MODULE-COMPLIANCE description and the following GROUPs and OBJECTs descriptions.
- Re-organization of some conformance groups. Each group now refers to precise options or features. 5 new features (specified through dvbRcsSystemSatLabsFeaturesDeclaration object) are therefore defined: ODULIST, EXTNETWORK, EXTCONTROL, EXTCONFIG, EXTSTATUS.
- Clarification in the RowStatus OBJECTs description whether writable objects in the dynamically created rows can change value while the RowStatus object is active.
- Security section expanded.

Draft status

- MIB still compiles well, up to level 6 with http://www.simpleweb.org/ietf/mibs/validate/
- Can now be reviewed again by MIB doctors