

Draft changes (2) to CCSDS Recommendations to add Systematic Transmissions of TC Transfer Frames

CCSDS 231.0-B-1, TC Synchronization and Channel Coding

- Changes in section 2.2.1 to include the repeated transmissions option in the list of actions in the sublayer.
- New section 2.2.5 to describe the repeated transmissions.
- Sentence added to section 6.5.2 about gaps between CLTUs. This includes a reference to the SLE F-CLTU service, which also needs to be added to the references.
- New section 7.5 for the managed parameter.
- Changes in Annex C to add the Repetitions parameter to the service definition.

[Note that the .doc file does not include the changes from Technical Corrigendum 1, June 2006.]

CCSDS 232.0-B-1, TC Space Data Link Protocol

- Changes to the 3rd paragraph in section 2.1.2 to mention the systematic retransmissions.
- New Note added to section 2.2.2.3 to say the retransmissions do not affect data on the B Service.
- New section 2.4.2 to describe the systematic retransmissions.
- Changes to section 4.3.8.3, where the All Frames Generation Function delivers frames to the coding sublayer.
- Changes to Tables 5-1 and 5-3 to add the managed parameters.

[Note that the .doc file also shows the changes (in a different colour) for draft Pink Sheets of Oct 2007.]

CCSDS 232.1-B-1, COP-1

- Added subheadings to section 5.1.9 to clarify the division of the discussion of T1_Initial into different subjects. 5.1.9.3 discusses operation on a Deep Space link.
- Added the word “automatic” to the first paragraph of 5.1.9.3.
- Added a new paragraph to section 5.1.9.3 to point the reader to the systematic retransmissions material in 232.0-B-1. It also mentions that the extra time for the retransmissions can be taken into account when choosing the timer value.