



13 April 2005  
ISO/TC 20/SC13

**ISO/TC20/SC13 Meeting**  
**Athens, Greece, 13 April 2005**

**Report of the US Technical Advisory Group, November 2004 – May 2005**

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**Meetings**

1. The work of SC13 was presented by USTAG13 representatives at a "Range and Spaceport Technology Workshop" in Colorado Springs on 11 January 2005. This was a useful opportunity to show our work to the communities who are studying the next generation of "spaceport" launch facilities, and their associated tracking range services during the launch ascent and landing phases.
2. USTAG13 held its semi-annual meeting in Columbia, MD on 23-24 March 2005. The purpose was to develop the official US technical working group positions to be conveyed during the Spring 2005 CCSDS/SC13 meeting series.

**Work Items**

1. The US Air Force Satellite Control Network (AFSCN) is continuing on its path to adopt the CCSDS "RAF" and "CLTU" SLE transfer services as the basis for their future telemetry and command transport. Draft extensions of SLE standards have been developed for their application. One variant allows ground stations to use the RAF service to carry unframed telemetry out of the ground station so that the control center may meter out the telemetry at the same rate that it was received at the ground station. Another variant allows ground stations to receive AFSCN-formatted command data for uplinking using the CLTU service. It is planned to advance some or all of these AFSCN companion specifications to become ANSI standards. SC13 should track these standards to ensure that they do not conflict with the new work in generic CCSDS "Cross Support Transfer Services".
2. The following ISO documents were approved by USTAG13 during the work period.
  - DIS 22641 - TM synch & channel coding
  - DIS 22642 - TC synch & channel coding
  - DIS 22645 - TM space data link protocol
  - DIS 22646 - Space packet protocol
  - DIS 22664 - TC space data links protocol
  - DIS 22666 - AOS space data link protocol
  - DIS 22667 - Communication Operations Procedure 1

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