

FRENCH REPORT by CNES – ISO/TC20/SC13

Colorado Springs – January 2007

1 – MANAGEMENT:

1-1 ORGANIZATION

No change in CNES organization.

1-2 AREA OF AGENCY INVOLVEMENT

Global.

1-3 MANPOWER ALLOTTED TO TC-20/SC-13

Tentatively maintained to 0.1 man x year on the SC-13 specifics.

2 – IMPLEMENTATION ACTIVITIES

2-1 SPACECRAFT UTILIZING SC13 STANDARDS FOR TLM / CMD

All CNES satellites make use of CCSDS / SC13 standards, at least partially.

Product lines Proteus and Myriade are included for Space Link Standards. The upcoming Pleiades mission will make use of the CCSDS standards and SLE transfer services.

COROT satellite, belonging to the Proteus series, was launched in December 2006.

2-2 GROUND FACILITIES UTILIZING SC-13 STANDARDS

The Provider and User Gateways for SLE transfer services were qualified in the LEOP phase of COROT satellite and will be validated again in cross support configurations with other European agencies in 2007.

Implementation of CCSDS standards (RF&Modulation, Packet TM&TC, OPM, TDM, SLE transfer services) are in progress (implementation phase) under an approved project on a global harmonization of CNES ground segments, from multimission through product lines (Proteus and Myriade). This project plans for a progressive implementation in the longer term (2005 – 2009); one component of relevance in this project is a front end for management of external SLE Management interfaces (2008~2009).

The satellite control center for the Pleiades satellites (first launch by end of 2008) will be based on SLE interfaces: Design phase in progress.

3 – DOCUMENTATION ACTIVITIES

3-1 ADOPTION OF SC13 STANDARDS AT FRANCE NATIONAL LEVEL

Ballots performed since last SC-13 meeting in Moscow:

In December 2006:

- **ISO/DIS 26868:** Space data and information transfer systems-Image data compression (CCSDS 122.0-B-1).

In progress with a due date in April 2007:

- **ISO DIS 22666:** Space data and information transfer systems AOS (Advanced Orbiting Systems) space data link protocol (CCSDS 732.0-B-2).

3-2 TRANSLATION

None for new documents to be submitted to ISO.

4 – MISCELLANEOUS

4-1 Documents

No concern.

4-2 Liaisons

France supports a strong relationship of CCSDS / SC13 with SC14 to optimize standardization effort (no duplication of work). For this liaison a clear frame on how to coordinate the work has to be established and the rule should be to do the development of future standards in one instance only and under a single reference.

Respectfully submitted:

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