

FRENCH REPORT by CNES – ISO/TC20/SC13 BERLIN – Octobre 2008

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.

In the order of 3 to 4 FTE in the CCSDS activities.

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.

JASON-2 satellite, belonging to the Proteus series, was launched June 20, 2008

SMOS satellite, belonging to the Proteus series, will be launched in Spring 2009.

PICARD satellite, belonging to the Myriade series, will be launched in mid 2009.

PLEIADES satellite to be launched end 2009 will make use of the same CCSDS standards and in addition the SLE transfer services (user side).

2-2 GROUND FACILITIES UTILIZING SC-13 STANDARDS

Implementation of CCSDS standards (RF&Modulation, Packet TM&TC, OPM, SLE transfer services) is qualified in Aussaguel, Kourou and Hartebeeshoek.

Kerguelen station will be upgraded end of 2008 and the Kiruna station of SSC will be aligned to CNES implementations by mid 2009.

3 – DOCUMENTATION ACTIVITIES

3-1 ADOPTION OF SC13 STANDARDS AT FRANCE NATIONAL LEVEL

Ballots performed since last SC-13 meeting in Colorado Springs:

REFÉRENCE	TITLE	STATUS	DATE of ANSWER	CNES ANSWER	CORRESPONDANCE
ISO 15889	Space data and information transfer systems - Data description language - EAST specification	Systematic Review	10/06/08	yes	CCSDS 644.0-B-2
ISO 21961	Space data and information transfer systems - Data entity dictionary specification language (DEDSL) - Abstract syntax	Systematic Review	10/06/08	yes	CCSDS 647.1-B-1
ISO 21962	Space data and information transfer systems - Data entity dictionary specification language (DEDSL) - PVL syntax	Systematic Review	10/09/08	yes	CCSDS 647.2-B-1

In progress :

RÉFÉRENCE	TITLE	STATUS	Due date	CORRESPONDANCE
ISO 15395	Space data and information transfer systems - Standard formatted data units - Control authority data structures	Systematic Review	05/12/08	CCSDS 632.0-B-1
ISO 22641	Space data and information transfer systems — TM synchronization and channel coding	Systematic Review	05/12/08	CCSDS 131.0-B-1
ISO 22642 AC1	Space data and information transfer systems — TC synchronization and channel coding (Corrigendum 1)	Systematic Review	05/12/08	CCSDS 231.0-B-1
ISO 22645	Space data and information transfer systems — TM space data link protocol	Systematic Review	05/12/08	CCSDS 232.0-B-1
ISO 22646	Space data and information transfer systems — space packet protocol	Systematic Review	05/12/08	CCSDS 133.0-B-1
ISO 22667	Space data and information transfer systems — Communication operations procedure 1	Systematic Review	05/12/08	CCSDS 232.1-B-1

3-2 TRANSLATIONS

None for new documents to be submitted to ISO.

4 – MISCELLANEOUS

4-1 Documents

No concern.

4-2 Liaisons

No concern.

Respectfully submitted:

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