

FRENCH REPORT by CNES – ISO/TC20/SC13

Tsukuba – June 17, 2008

1 – MANAGEMENT:

1-1 ORGANIZATION

No major 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.

Participation to CCSDS working groups has been maintained between 3 and 3.5 EFT's over the last years.

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, will be launched on June 20, 2009.

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

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

The upcoming Pleiades mission, to be launched in late 2009, has adopted the CCSDS standards and SLE transfer services.

2-2 GROUND FACILITIES UTILIZING SC-13 STANDARDS

The equipment for the SLE transfer services were deployed and qualified over the CNES Ground Station Networks (Kerguelen planned in late 2008) and will be used in cross support configurations with other European agencies in 2008 and 2009.

Implementation of CCSDS standards (RF&Modulation, Packet TM&TC, OPM, TDM, SLE transfer services) are completed or in qualification phase under an approved project on a global harmonization of CNES ground segments. This project plans for completion in 2010 : new centralized scheduling system.

The satellite control center for the Pleiades satellites (first launch by end of 2009) will be based on SLE interfaces: qualification phase in progress.

3 – DOCUMENTATION ACTIVITIES

3-1 ADOPTION OF SC13 STANDARDS AT FRANCE NATIONAL LEVEL

Ballots performed since last SC-13 meeting in F07 - Darmstadt:

RÉFÉRENCETITLESSTATUSDATE of ANSWERCNES ANSWERCORRESPONDENCEISO 10537

Space data and information transfer systems - Encapsulation service	DIS	07/12/07	yes	CCSDS 133.1-B-1	
ISO 15893	Space data and information transfer systems - Protocol specification for space communications - Transport protocol	DIS	07/12/07	yes	CCSDS 714.0-B-2
ISO 22647	Space data and information transfer systems — Space link identifiers	DIS	07/12/07	yes	CCSDS 135.0-B-3
ISO 14961	Space data and information transfer systems -- Parameter value language specification	DIS	11/03/08	Abstain	CCSDS 641.0-B-2
ISO 14721	Space data and information transfer systems - Open archival information system - Reference model	DIS	09/06/08	yes	CCSDS 650.0-B-1
ISO 15889	Space data and information transfer systems - Data description language - EAST specification	DIS	09/06/08	yes	CCSDS 644.0-B-2
ISO 21961	Space data and information transfer systems - Data entity dictionary specification language (DEDSL) - Abstract syntax (approbation sans commentaire)	DIS	09/06/08	yes	CCSDS 647.1-B-1
ISO 21962	Space data and information transfer systems - Data entity dictionary specification language (DEDSL) - PVL syntax (approbation sans commentaire)	DIS	09/06/08	yes	CCSDS 647.2-B-1

In progress :

RÉFÉRENCE	TITLE	STATUS	Due date	CORRESPONDANCE

3-2 TRANSLATION

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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