



Secretariat of ISO/TC20/SC13

our date
07 Dec. 2006
your date

our reference
N390
your reference

To: Mr. Larry Schultz, Chairman, ISO/TC20/SC14

Subject: Related to ISO Technical Committee 20 Subcommittees SC 13 – SC 14
Cooperation Activity for the Development of Standards for Orbit
Descriptions and Orbit Determination Processes

Annexes: **1)** Terms of Reference For ISO Technical Committee 20 SC 13 – SC 14
Liaison; **2)** Copy of ISO/TC20/SC13 letter, Ref N377, as of 03 May 2006;
3) CCSDS Navigation Working Group Activity Plan;

Dear Larry,

After the very encouraging and constructive attitude clearly expressed and re-affirmed to me by Dr. Bruce Mahone during the last ISO/TC20 Plenary meetings held here in São José dos Campos, Brazil, in October, I am, together with my other subcommittee colleagues, certainly looking forward not only for strengthening of ties but also for any possible, extended application of the existing Terms of Reference for technical liaison (see **Annex 1**) between subcommittees ISO/TC20/SC13 and ISO/TC20/SC14.

If possible, I would appreciate your attendance at the 31st ISO/TC20/SC13 meeting to be held in Colorado Springs, CO, in January 26, 2007. In my point of view, your attendance would be very opportune. We are considering the insertion of a specific item in the Agenda of the meeting, possibly under the tentative title "ISO/TC20/SC13 and ISO/TC20/SC14 cooperation on technical interfaces: 1) Current status, and; 2) Exploration of new possibilities". Your desirable participation in the discussions of this planned item of the Agenda promises to offer a most valuable opportunity, not only for consolidating the terms of the on-going cooperation between both subcommittees on Orbit Data Messages (see **Annex 2**), but also for exploring the possible leverage of new themes. These themes may lead to concrete exploration of new work items on other possible technical interfaces, which may result in the consequent increase in the cooperation between the CCSDS-backed ISO/TC20/SC13 and ISO/TC20/SC14 subcommittees. Whenever it may be applicable, an associated, new Activity Plan could be generated between the corresponding technical working groups that operate under the already existing Terms of Reference (as in **Annex 1**).

The Orbit Data Message Activity Plan (see **Annex 3**) being executed between CCSDS Navigation WG and ISO/TC20/SC13/WG3 is, so far, the only existing cooperation on behalf of the Terms of Reference for technical liaison (as expressed in **Annex 1**) work involving CCSDS and ISO/TC20/SC13 and SC14 subcommittees. In another fundamental aspect of the on going cooperation, after a clear positioning that I received from CCSDS, originated from a pertinent issue that was raised in the plenary of the last ISO/TC20/SC13 meeting held in Moscow, last September 28th, I bring to your consideration, analysis, and approval a joint resolution. This resolution is intended to guarantee that a single ISO standard for orbit data messages, as being presented by Standard ISO 22644, may be produced without duplication across the two mentioned subcommittees. The proposed joint resolution is expressed under the following terms:

JOINT RESOLUTION BETWEEN SC13 AND SC14 CONCERNING ORBIT DATA MESSAGES

Considering that:

1. The leadership of ISO/TC20/SC13 and of ISO/TC20/SC14 are firmly committed to the principle of a single ISO standard for orbit descriptions;
2. The pertinent work leading to this agreement was consolidated in the terms of a CCSDS Activity Plan, reproduced in the attachment, in its last version, as of June 16, 2006.

And recognizing that:

1. The continued collaboration of members from TC20/SC14/WG3 is anticipated by CCSDS for proper incorporation of their recently identified requirements in a modified, updated version of the CCSDS originated ISO Standard 22644 on Orbit Data Messages, which was conceived and developed by the CCSDS Nav WG;
2. ISO/TC20/SC14/WG3 has been acting in this collaboration via its liaison and participation in the CCSDS Navigation WG in the person of Dr. David Finkleman;
3. The CCSDS Navigation WG expects that this collaboration by Dr. Finkleman will continue in the January 2007 CCSDS Navigation WG technical meetings, scheduled to be held in Colorado Springs, CO. In the mean time, e-mail exchanges have been occurring on a continuous basis between the involved CCSDS and SC14 WG members.

It is jointly resolved by SC13 and SC14 that:

ISO/TC20/SC14/WG3 will suspend its effort on the AWI 26885 document.

I look forward to your possible attendance at the coming subcommittee meeting, and at your earliest convenience, your response to the above proposed **JOINT RESOLUTION** considering that it is related to a technical cooperation, liaison activity which is under execution.

With my best regards, sincerely,



Eduardo W. Bergamini
Chairman, ISO/TC20/SC13

ENCLOSURES: Annexes 1, 2 and 3, appended to this e-letter in three e-files.

Cc.

Dr. John D. Kelley, Former (leaving) Secretary to ISO/TC20/SC13
Dr. Bruce Mahone, Chair ISO/TC20
Mr. François Abram, ISO Technical Programme Manager
Mr. Adrian Hooke, Dir. CESG/CCSDS & Temporarily acting as Secretary to ISO/TC20/SC13
Mr. Nestor Peccia, Area Director MOIMS/CESG/CCSDS
Mr. David Berry, Chair CCSDS Navigation Working Group