TO:
Mr. JUHA HAKALA, Chairman
ISO TC46/SC4 Subcommittee

Dear Mr. Hakala,

Also, thank you for your thoughtful message and embedded considerations.

In fact, as you can observe from my previous message, ISO TC20/SC13 already has a liaison with ISO TC46/SC4,
with the only difference that it has not been active, that we are aware of, so far.

The premises you have presented in your message are certainly pertinent. There is no doubt on the importance
of the deliverables which have been generated by CCSDS in the pertinent domain and, also, which are under
serious considerations by many other organizations (Libraries, etc.) besides your own ISO TC46/SC4 Subcommittee,
as well.

From our side, the proper activation of this specific Liaison will be of ourprimary concern when we meet in
Darmstadt, later this current month, as also mentioned in my previous message, below. Please, wait for our
response to your consideration, after the coming meetings in our side, as mentioned.

I do hope and expect we will be inaugurating a profitful Liaison for both Subcommittees in our shortest possible
time.

Thank you so much for your initiative, togehter with the previous one from your Subcommittee colleague, Mrs.
Kati Heiskanen.

Sincerely, with my kind regards,
Eduardo W. Bergamini
Ch. ISO TC20/SC13

Cc. Dr. James Afarin, Secretary to ISO TC20/SC13, Secretary to CCSDS and Chairman
CCSDS-CMC (Mngmt. Council)

P.S. Oct. 30 and Nov. 2 2015 is being a sequenced two day holiday for us, here in Brazil.

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Dear Mr. Bergamini,

Thank you for this kind response. I look forward to co-operation with TC 20/SC 13 and its secretariat.

As regards "the appropriate discussions in our side", ISO directives, Part I provide very clear guidelines for SC 13 on how to proceed. According to § 1.15:

"1.15.1   Within each organization, technical committees and/or subcommittees working in related fields shall establish and maintain liaison. Liaisons shall also be established, where appropriate, with technical committees responsible for basic aspects of standardization (e.g. terminology, graphical symbols). Liaison shall include the exchange of basic documents, including new work item proposals and working drafts.

Committees may pass a resolution to decide on the establishment of an internal liaison. Committees receiving requests for internal liaisons cannot refuse such requests and there is no need for the committee receiving the request to pass a resolution confirming its acceptance.

1.15.2   The maintenance of such liaison is the responsibility of the respective technical committee secretariats, which may delegate the task to the secretariats of the subcommittees."

In this case, "the related field" is digital preservation, which has become a vital issue to e.g. national libraries and national archives during the last decade. TC 20/SC 13 has published CCSDS specifications like OAIS which are used in almost all digital preservation projects in our community. Recently many research libraries have started working with research data, which may further increase then number of SC 13 / CCSDS standards relevant to our community.

Best regards,

Juha Hakala (Mr.)

CESG/CCSDS <Nestor.Peccia@esa.int>
Subject: Re: Request for Establishment of a Liaison between TC 20/SC 13 (Space data and information transfer systems) and TC 46/SC 4 (Technical interoperability)

Dear Mrs. Heiskanen,

I wish to express that I am pleased with your message and enclosed letter of Request for Establishment of a Liaison between ISO TC20/SC13 and ISO TC46/SC4 Subcommittees,
in this last case, involving your WG15.

I see in our current, internal list of ISO TC20/SC13 Liaisons that we have the information:

ISO TC 046/SC04	Liaison-ISO (6-i)	Please, consult secretariat (*)
ISO TC 046/SC 04	Liaison representative (secretary) (Liaison-ISO) (6-e)	Heiskanen, Kati - Mrs.
ISO TC 046/SC 04	Liaison representative (secretary support team) (6-e)	McCallum, S.H. – Ms.
ISO TC 046/SC 04	Liaison representative (secretary support team) (6-e)	Ng, Stuart
ISO TC 046/SC 04	Liaison representative (secretary support team) (6-e)	Sipola, Sirpa - Mrs.
ISO TC 046/SC 04	Liaison representative (secretary support team) (6-e)	Ukkonen, Virve - Mrs

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Indeed, at the moment we do not have an internal ISO TC20/SC13 liaison person (6-i) assigned to your Subcommittee, although we have in record your name and others from your secretariat support team.

Coming mid-November ISO TC20/SC13 Subcommittee will hold its coming meeting in Darmstadt, as usual, in colocation with CCSDS (www.ccsds.org) Management Council (CMC). In my understanding, this will be the oppportunity for holding the appropriate discussions in our side, that may lead to the now pending response from ISO TC20/SC13 Subcommittee to the enclosed, kind letter, which is being addressed to us by ISO TC46/SC4 Subcommittee Chairwoman, Mrs. Juha Hakala.

Incidentally, if the case, permit me to briefly introduce you on the basic procedure of work which is practiced between ISO TC20/SC13 Subcommittee and CCSDS.

The program of work of ISO TC20/SC13 Subcommittee is based on the COVER SHEET process over CCSDS originated documents for submission and approval as ISO standards.

Under the mentioned procedure, two different types of CCSDS originated documents are
submitted under the Cover Sheet process by ISO TC20/SC13 Subcommittee:

1) RECOMMENDATIONS FOR SPACE DATA SYSTEM STANDARDS - RECOMMENDED STANDARD (CCSDS Blue Books)

or

2) RECOMMENDATIONS FOR SPACE DATA SYSTEM PRACTICES - RECOMMENDED PRACTICE (CCSDS Magenta Books)

Incidentally, the current, complete roster of CCSDS originated documents can be found in the URL pointing:

http://public.ccsds.org/publications/AllPubs.aspx

In particular, the contents of the CCSDS documents you are referring to can be found and are downloadable from the mentioned roster, as part of its excerpt, which is presented in the format:

CCSDS 650.0-M-2
File size: 1,903,749 Bytes

Reference Model for an Open Archival Information System (OAIS) . **Magenta Book. Issue 2. June 2012.**
This Recommended Practice defines the Reference Model for an Open Archival Information System (OAIS).The current issue includes clarifications to many concepts, in particular, Authenticity with the concept of Transformational Information Property introduced; corrections and improvements in diagrams; addition of Access Rights Information to PDI.

CCSDS 651.0-M-1
File size: 521,980 Bytes

Producer-Archive Interface Methodology Abstract Standard . **Magenta Book. Issue 1. May 2004.**
This Recommended Practice identifies, defines, and provides structure to the relationships and interactions between an information Producer and an Archive. This Recommended Practice defines the methodology for the structure of actions that are required from the initial time of contact between the Producer and the Archive until the objects of information are received and validated by the Archive. These actions cover the first stage of the Ingest Process as defined in the Open Information System (OAIS) Reference Model. This Recommended Practice describes parts of the functional entities Administration ('Negotiate Submission Agreement') and Ingest ('Receive Submission' and 'Quality Assurance'). **ISO Equivalent : 20652**

CCSDS 651.1-B-1
File size: 603,351 Bytes

Producer-Archive Interface Specification (PAIS) . **Blue Book. Issue 1. February 2014.**
This Recommended Standard provides the abstract syntax and an XML implementation of descriptions of data to be sent to an archive.These descriptions are negotiated agreements between the data Producer and the Archive and facilitate production of agreed data by the Producer and validation of received data by the Archive.The Recommended Standard includes an abstract syntax for describing how these data will be aggregated into packages for transmission and one concrete implementation for the packages based on the XML Formatted Data Unit (XFDU) standard. **ISO equivalent: 20104 Click here for PAIS XML Schemas**

CCSDS 652.0-M-1
File size: 434,037 Bytes

> ***Audit and Certification of Trustworthy Digital Repositories .*** **Magenta Book. Issue 1.**
> **September 2011.**
> This Recommended Practice defines an audit and certification process for assessing the
> trustworthiness of digital repositories. **ISO Equivalent : 16363**
>
> 📄 **CCSDS 652.1-M-2**
> File size: 188,300 Bytes
>
> ***Requirements for Bodies Providing Audit and Certification of Candidate***
> ***Trustworthy Digital Repositories .*** **Magenta Book. Issue 2. March 2014.**
> The Recommended Practice for Requirements for Bodies Providing Audit and Certification of
> Candidate Trustworthy Digital Repositories contains binding and verifiable specifications
> required to befulfilled by organizations that perform ISO audits for assessing the
> trustworthiness of digital repositories using CCSDS 652.0-M-1, Audit and Certification of
> Trustworthy Digital Repositories,and provides the appropriate certification. The current issue
> has been updated to reflect input from ISO experts.

Perhaps, it may also be opportune to mention that the current structure of CCSDS Working Groups can be found in the CCSDS public page pointed by the URL:

http://cwe.ccsds.org/default.aspx .

Should you have, any time, any questions or need for clarification, please, do not hesitate to address us.

Otherwise, as already mentioned above, we expectto be addressing ISO TC46/SC4 Subcommittee Chairwoman, Mrs. Juha Hakala, in our first opportunity, after the above mentioned, coming ISO TC20/SC123 meeting, coming mid November.

Please, confirm if you received this message. Thank you.

With my kind regards,
EDUARDO BERGAMINI
Chairman, ISO TC20/SC13 Subcommittee

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ENCLOSURE: N986 Request for Establishment of a Liaison between TC20/SC13 and TC46/SC4

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Dear Secretariat of ISO/TC 20/SC 13, Mr. Bergamini,

ISO TC 46/SC 4 has recently launched a new work item DEPIP (Data Exchange Protocol for Interoperability and Preservation). A new working group, WG 15 (Metadata and protocols for long term preservation) is responsible for the work.

In its 2015 plenary ISO TC 46/SC 4 made the following resolution:
– TC 46/SC 4 Instructs the SC4 secretariat to contact and establish a liaison with ISO/TC 20/SC 13 responsible for OAIS standards, for involvement in WG15 work.

Therefore, please find attached our liaison request for your consideration.

With kind regards from sunny Helsinki,

Kati Heiskanen
ISO/TC 46/SC 4 Secretary

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