

**ABNT/Brazil Report**  
**46<sup>th</sup> Meeting of ISO/TC20/SC13 Subcommittee**  
**Formal Meeting**  
**Sponsored by JISC/Japan**  
**Hosted by JAXA/Japan**  
**Nagano, Japan**  
**20 May 2015, Wednesday (13:45-15:45)**



**REVIEWS**

ABNT/Brazil, over the period from May 2014 to April 2015, performed the review and poll of the following ISO TC20/SC13 originated documents:

<b>TYPE</b>	<b>REFERENCE</b>	<b>VOTE</b>	<b>RESULT</b>	<b>STATUS</b>	<b>END DATE</b>
DIS	ISO/DIS 13764	Voted	Approved	Closed	16.Jul.2014
DIS	ISO/DIS 14962	Voted	Approved	Closed	16.Jul.2014
DIS	ISO/DIS 20652	Voted	Approved	Closed	16.Jul.2014
DIS	ISO/DIS 21459	Voted	Approved	Closed	16.Jul.2014
DIS	ISO/DIS 22643	Voted	Approved	Closed	16.Jul.2014
DIS	ISO/DIS 26868	Voted	Approved	Closed	16.Jul.2014
DIS	ISO/DIS 16919	Voted	Approved	Closed	11.Aug.2014
DIS	ISO/DIS 18423	Voted	Approved	Closed	30.Dec.2014
DIS	ISO/DIS 20104	Voted	Approved	Closed	30.Dec.2014
DIS	ISO/DIS 21459	Voted	Approved	Closed	30.Dec.2014
DIS	ISO/DIS 21460	Voted	Approved	Closed	30.Dec.2014
DIS	ISO/DIS 22663	Voted	Approved	Closed	30.Dec.2014
DIS	ISO/DIS 20105	Voted	Approved	Closed	06.Jan.2015
DIS	ISO/DIS 20106	Voted	Approved	Closed	06.Jan.2015
DIS	ISO/DIS 20107	Voted	Approved	Closed	06.Jan.2015
DIS	ISO/DIS 20205	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20206	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20207	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20208	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20210	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20211	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20213	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20214	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20215	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20216	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS 20217	Voted	Approved	Closed	27.Jan.2015
DIS	ISO/DIS N1505	Voted	Approved	Closed	13.Mar.2015

**PRODUCTION**

A new ABNT Project 08:010.70-011 was approved in May 2014 as a Brazilian Standard under code NBR 16289:2014, derived from Standard ISO 18438 and CCSDS 855.0-M-1 – Spacecraft Onboard Interface Services — Subnetwork Test Service Recommended Practice.

Other Projects are under way in the ABNT CE:08.010.70 Commission of Study, intended to result in new NBR Standards and, they are also associated to the periodic review of existing NBRs.

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**PRODUCTS**

ABNT CE:08.010.70 Commission-of-Study in *Space Data and Information Transfer Systems* works not only in the updating 5 years review of the already existing ABNT NBRs but, also, in the elaboration of new ISO TC20/SC13 – CCSDS originated Standards-Recommendations for transforming them in Brazilian Standards, or NBRs, as possible, according to priorities of topics, motivated by space missions which are in the context of Brazilian space program. To this point in time, the following NBRs have already been produced by ABNT:

ISO	CCSDS	ABNT NBR	RTC	TITLE
15887:2013	CCSDS 121.0-B-2:2012	15063:2004	02	<i>Sistemas Espaciais de Transferência de Dados e de Informação - Compressão de Dados Livre de Perdas</i>
	CCSDS 120.0-G-3:2013	15063:2008	03	
	CCSDS 320.0-B-6:2013	15062:2004 15062:2008	04	<i>Sistemas Espaciais de Transferência de Dados e de Informação - Campo CCSDS de Identificação Global de Espaçonaves: Procedimentos de Controle para a Designação de Códigos</i>
	CCSDS 232.0-B-2:2010	16105:2012	05	<i>Sistemas Espaciais de Transferência de Dados e de Informação - Protocolo de enlace espacial de dados de telecomando</i>
	CCSDS 122.0-B-1:2005	15982:2011	06	<i>Sistemas Espaciais de transferência de dados e de Informação - Compressão de dados de Imagens.</i>
14962:1997	CCSDS 643.0-B-1:1992	15624:2008	07	<i>Sistemas Espaciais de Transferência de Dados e de Informação - Inglês Codificado em ASCII</i>
20652:2006	CCSDS 651.0-M-1:2004	15862:2010	08	<i>Sistemas Espaciais de Transferência de Dados e de Informação - Interface Produtor-Arquivo- Padrão de Metodologia Abstrata</i>
15396:2007	CCSDS 910.4-B-2:2005	16102:2012	09	<i>Sistemas Espaciais de Transferência de Dados e de Informação - Modelo de referência para apoio cruzado - Serviços de extensão para enlace espacial</i>
(*)	(*)	16066:2012	10	<i>Sistemas Espaciais de Transferência de Dados e de Informação - Sistema para geração de identificador com base na internet (IBI)</i>
21460:2007	CCSDS 211.1-B-4:2013	15625:2008	11	<i>Sistemas Espaciais de Transferência de Dados e de Informação - Protocolo de enlace espacial com proximidade - 1 - Camada Física</i>
	CCSDS 650.0-M-2:2012	15472:2007	----	<i>Sistemas Espaciais de Transferência de Dados e de Informação - Modelo de Referência para um Sistema Aberto de Arquivamento de Informação (SAAI) (Reference Model for Open Archival Information Systems OAIS).</i>
18438:2013	CCSDS 855.0-M-1:2009	16289:2014	14	<i>Serviços de interfaces embarcadas em veículos espaciais - Serviços de ensaio de sub-rede</i>

**Legend:** 1) **ABNT** - Brazilian Association for Technical Standards  
2) **NBR** - Brazilian Standard  
3) **RTC** - ABNT Commission of Study CE:08.010.70 Technical Report  
(\*) The NBR 16066:2012 – System for Generation of Internet Based Identifier was created and produced internally by ABNT CE:08.010.70 Commission of Study.

**MANIFEST**

ABNT wishes to express its support to the ensuing effort which is being driven between CCSDS-ISO TC20/SC13 Subcommittee and ISO TC20/SC14 Subcommittee, in order to explore the applicability of recommendations for standards associated to topics, tools, practices in Systems Architecture related to Reference Modelling, associated Ontology and other applicable topics that may equally benefit both sides in association to the ISO standards they have under development and under maintenance.

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**USEFUL POINTINGS**

The two following Website pages of ISO TC20/SC13 Subcommittee:

1) In ISO Livelink:

<http://isotc.iso.org/livelink/livelink?func=ll&objId=15367262&objAction=browse&viewType=1>

2) In CCSDS-CWE:

<http://cwe.ccsds.org/cmc/docs/Forms/AllItems.aspx?RootFolder=%2fcmc%2fdocs%2fISO%20TC20-SC13%20Subcommittee%2f09%2eISO%20TC20-SC13%20Subcommittee%20Translated%20CCSDS%20and%20Other%20Documents&FolderCTID=&View=%7bD5DD30F7-53FC-45B9-8B93-709B280A475B%7d>

present the list and contents of the Technical Reports (RTCs) written in Portuguese, which have been generated by the ABNT/Brazil technical body named Commission of Study CE 08:010.70 on Space Data and Information Transfer Systems. The same pointed Webpages also provide the listing of the existing ABNT Standards, or NBRs, written in Portuguese, including those which are originated from the corresponding ISO TC20/SC13 standards, that can be acquired directly from ABNT.

**EDUARDO W. BERGAMINI**

- Principal Delegate, ABNT/Brazil to 46<sup>th</sup> ISO TC20/SC13 Meeting  
- Coordinator of ABNT/Brazil Commission of Study CE 08:010.70

**Nagano, Japan – 20 May 2015**