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# **CHINA Report to the ISO/TC20/SC13**

Darmstadt, Germany

17 Nov 2015

**CHINA ASTRONAUTICS STANDARDS INSTITUTE(CASI)**

# Status Summary

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- **The following items were processed in China after the previous meeting held on November 2014.**

	<b>DIS: Draft International Standard</b>	<b>SR: Systematic Review</b>
<b>Complete</b>	20	1
<b>In Process</b>	0	7

# DIS vote

The following ISO items were reviewed by CASI during the work period between November 2014 and October 2015: (Ballots completed):

NO.	ISO reference	Title	CCSDS Reference
1	ISO/DIS 18423 (Ed 2)	Space data and information transfer systems -- Pseudo-Noise (PN) Ranging Systems	CCSDS 414.1-B-2
2	ISO/DIS 20104	Space data and information transfer systems -- Producer-Archive Interface Specification (PAIS)	CCSDS 651.1-B-1
3	ISO/DIS 21459 (Ed 2)	Space data and information transfer systems -- Proximity-1 space link protocol -- Coding and synchronization sublayer	CCSDS 211.2-B-2
4	ISO/DIS 21460 (Ed 3)	Space data and information transfer systems -- Proximity-1 space link protocol -- Physical layer	CCSDS 211.1-B-4

# DIS vote

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**The following ISO items were reviewed by CASI during the work period between November 2014 and October 2015: (Ballots completed):**

<b>No.</b>	<b>ISO reference</b>	<b>Title</b>	<b>CCSDS Reference</b>
5	ISO/DIS 22663 (Ed 3)	Space data and information transfer systems -- Proximity-1 space link protocol -- Data link layer	CCSDS 211.0-B-5
6	ISO/DIS 20105	Space data and information transfer systems -- Operation of CFDP over encapsulation service	CCSDS 722.1-M-1
7	ISO/DIS 20106	Space data and information transfer systems -- Mission operations common object model	CCSDS 521.1-B-1
8	ISO/DIS 20107	Space data and information transfer systems -- Spacecraft onboard interface services -- Device virtualization service	CCSDS 871.2-M-1

# DIS vote

**The following ISO items were reviewed by CASI during the work period between November 2014 and October 2015: (Ballots completed):**

No.	ISO reference	Title	CCSDS Reference
9	ISO/DIS 20205	Space data and information transfer systems -- Spacecraft Onboard Interface Systems -- Low Data-Rate Wireless Communications for Spacecraft Monitoring and Control	CCSDS 882.0-M-1
10	ISO/DIS 20206	Space data and information transfer systems -- IP over CCSDS space links	CCSDS 702.1-B-1
11	ISO/DIS 20207	Space data and information transfer systems -- CCSDS Space Link Protocols over ETSI DVB-S2 Standard	CCSDS 131.3-B-1
12	ISO/DIS 20208	Space data and information transfer systems -- Delta-DOR Raw Data Exchange Format	CCSDS 506.1-B-1

# DIS vote

The following ISO items were reviewed by CASI during the work period between November 2014 and October 2015: (Ballots completed):

No.	ISO reference	Title	CCSDS Reference
13	ISO/DIS 20210	Space data and information transfer systems -- Mission Operations Message Abstraction Layer - JAVA API	CCSDS 523.1-M-1
14	ISO/DIS 20211	Space data and information transfer systems -- Spacecraft Onboard Interface Services -- Device Access Service	CCSDS 871.0-M-1
15	ISO/DIS 20213	Space data and information transfer systems -- Spacecraft onboard interface services -- Message transfer service	CCSDS 875.0-M-1
16	ISO/DIS 20216	Space data and information transfer systems -- Spacecraft onboard interface services -- Device data pooling service	CCSDS 871.1-M-1

# DIS vote

The following ISO items were reviewed by CASI during the work period between December 2014 and October 2015: (Ballots completed):

No.	ISO reference	Title	CCSDS Reference
17	ISO/DIS 20217	Space data and information transfer systems -- Spacecraft onboard interface services -- File and packet store services	CCSDS 873.0-M-1
18	ISO/DIS 20618	Space data and information transfer systems -- Spacecraft onboard interface services -- Device enumeration service	CCSDS 871.3-M-1
19	ISO/DIS 22642 (Ed 2)	Space data and information transfer systems -- TC synchronization and channel coding	CCSDS 231.0-B-2
20	ISO/DIS 18202 (Ed 2)	Space data and information transfer systems -- Mission operations message abstraction layer	CCSDS 521.0-B-2

# Systematic review

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The following ISO items were reviewed by CASI during the work period between December 2014 and October 2015: (Ballots completed):

No.	ISO reference	Title	CCSDS Reference
1	ISO 17355:2007 (Ed 3)	Space data and information transfer systems -- CCSDS file delivery protocol	CCSDS 727.0-B-4

# Systematic review

The following ISO review items vote in process:

No.	ISO reference	Title	CCSDS Reference
1	ISO 10537:2010	Space data and information transfer systems -- Encapsulation service	CCSDS 133.1-B-1
2	ISO 13527:2010	Space data and information transfer systems -- XML formatted data unit (XFDU) structure and construction rules	CCSDS 661.0-B-1
3	ISO 13537:2010	Space data and information transfer systems -- Reference architecture for space data systems	CCSDS 311.0-M-1
4	ISO 13541:2010	Space data and information transfer systems -- Attitude data messages	CCSDS 504.0-B-1
5	ISO 15396:2007 (Ed 2, vers 2)	Space data and information transfer systems -- Cross support reference model -- Space link extension services	CCSDS 910.4-B-2
6	ISO 15893:2010 (Ed 2)	Space data and information transfer systems -- Space communications protocol specification (SCPS) -- Transport protocol (SCPS-TP)	CCSDS 714.0-B-2
7	ISO 22647:2010 (Ed 2)	Space data and information transfer systems -- Space link identifiers	CCSDS 135.0-B-3