



**ISO TC20 / SC13 Meeting  
São José dos Campos, Brazil, April 2016**

**Report of Japan to ISO/TC20/SC13  
November 2015 – April 2016**

**Summary**

The following ISO documents were reviewed by the Japan Study Committee during the period between November 2015 and April 2016. The following table shows the review status.

	DIS* <sup>1</sup>	SR* <sup>2</sup>
Complete	4	7
In Process	12	0

\*1 DIS: Draft International Standard

\*2 SR: Systematic Review

**Work Items**

**1. DIS Recommended action Status**

The following DIS documents were reviewed and affirmative votes were submitted.

- A) ISO/DIS 21076:Space data and information transfer systems  
– Space communications cross support  
– Architecture requirements document  
Disposition: Approval  
Vote Date: March 3, 2016
  
- B) ISO/DIS 21080:Space data and information transfer systems  
– Licklider transmission protocol (LTP)  
Disposition: Approval  
Vote Date: March 3, 2016
  
- C) ISO/DIS21082: Mal space packet transport binding and binary encoding  
Disposition: Approval  
Vote Date: March 3, 2016
  
- D) ISO/DIS 21077:Space data and information transfer systems  
– Digital motion imagery  
Disposition: Approval  
Vote Date: March 3, 2016

**2. DIS Disposition Status**

The following DIS items are in process for voting due date.

- A) ISO/DIS 21323: Space data and information transfer systems  
– CCSDS Bundle Protocol Specification  
Due Date: May 18, 2016

- B) ISO/DIS 21324: Space data and information transfer systems  
– CCSDS Space Data Link Security Protocol  
Due Date: May 18, 2016
- C) ISO/DIS 18440: Space data and information transfer systems  
– Space link extension  
– Internet protocol for transfer services  
Due Date: June 29, 2016
- D) ISO/DIS 18441: Space data and information transfer systems  
– Space link extension Application program interface for transfer services Core specification  
Due Date: June 29, 2016
- E) ISO/DIS 18442: Space data and information transfer systems  
– Space link extension Application program interface for return all frames service  
Due Date: June 29, 2016
- F) ISO/DIS 18443: Space data and information transfer systems  
– Space link extension Application program interface for return channel frames Service  
Due Date: June 29, 2016
- G) ISO/DIS 18444: Space data and information transfer systems  
– Space link extension Application program interface for return operational control fields service  
Due Date: June 29, 2016
- H) ISO/DIS 18445: Space data and information transfer systems  
– Space data and information transfer systems Space link extension Application program interface for the forward CLTU service  
Due Date: June 29, 2016
- I) ISO/DIS 18446: Space data and information transfer systems  
– Space link extension Application program interface for the forward space packet service  
Due Date: June 29, 2016
- J) ISO/DIS 22645: Space data and information transfer systems  
– TM (telemetry) space data link protocol  
Due Date: June 29, 2016
- K) ISO/DIS 22664: Space data and information transfer systems  
– TC (telecommand) space data link protocol  
Due Date: June 29, 2016
- L) ISO/DIS 22666: Space data and information transfer systems  
– AOS (advanced orbiting systems) space data link protocol  
Due Date: June 29, 2016

### 3. SR Recommended action Status

The following SR document was reviewed and voted by the due date.

- A) ISO 10537:2010: Space data and information transfer systems  
– Encapsulation service

Disposition: Confirm  
Vote Date: December 14, 2015

- B) ISO 13527:2010: Space data and information transfer systems  
– XML formatted data unit (XFDU) structure and construction rules  
Disposition: Confirm  
Vote Date: December 14, 2015
- C) ISO 13537:2010: Space data and information transfer systems  
– Reference architecture for space data systems  
Disposition: Confirm  
Vote Date: December 14, 2015
- D) ISO 13541:2010: Space data and information transfer systems  
– Attitude data messages  
Disposition: Confirm  
Vote Date: December 14, 2015
- E) ISO 15396:2007 (Ed 2, vers 2): Space data and information transfer systems  
– Cross support reference model  
– Space link extension services  
Disposition: Confirm  
Vote Date: December 14, 2015
- F) ISO 15893:2010 (Ed 2): Space data and information transfer systems  
– Space communications protocol specification (SCPS)  
– Transport protocol (SCPS-TP)  
Disposition: Confirm  
Vote Date: December 14, 2015
- G) ISO 22647:2010 (Ed 2): Space data and information transfer systems  
– Space link identifiers  
Disposition: Withdraw  
Vote Date: December 14, 2015

**Respectfully submitted:**

Tsutomu Shigeta, member of Japan Study Committee for ISO-TC20-SC13  
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