ISO/TC 20/SC 13 Meeting
St. Petersburg, Russia – 14 June 2017

Report of the United States Technical Advisory Group to ISO/TC20/SC13
April 2016 – June 2017

Meetings
1. USTAG13 meets regularly throughout the year via teleconference

Work Items
1. The following ISO documents undergoing DIS ballot and Systematic Review were reviewed or are being reviewed by USTAG13 during the period between April 2016 and June 2017:

   ❖ **Published Standards/Revisions:**

   1. **ISO/DIS 10537**
      Space data and information transfer systems – Encapsulation service

   2. **ISO/DIS 11104**
      Space data and information transfer systems – Time code formats

   3. **ISO/DIS 15888**
      Space data and information transfer systems – Standard formatted data units – Referencing environment

   4. **ISO/DIS 16363**
      Space data and information transfer systems – Audit and certification of trustworthy digital repositories

   5. **ISO/DIS 18440**
      Space data and information transfer systems – Space link extension – Internet protocol for transfer services

   6. **ISO/DIS 18441**
      Space data and information transfer systems – Space link extension – Application program interface for transfer services – Core specification

   7. **ISO/DIS 18442**
      Space data and information transfer systems – Space link extension – Application program interface for return all frames service

   8. **ISO/DIS 18443**
      Space data and information transfer systems – Space link extension – Application program interface for return channel frames service

   9. **ISO/DIS 18444**
      Space data and information transfer systems – Space link extension – Application program interface for return operational control fields service

10. **ISO/DIS 18445**
    Space data and information transfer systems – Space link extension – Application program interface for the forward CLTU service

11. **ISO/DIS 18446**
    Space data and information transfer systems – Space link extension – Application program interface for the forward space packet service

12. **ISO/DIS 21076**
    Space data and information transfer systems – Space communications cross support – Architecture requirements document

13. **ISO/DIS 21077**
    Space data and information transfer systems – Digital motion imagery

14. **ISO/DIS 21080**
    Space data and information transfer systems – Licklider transmission protocol (LTP) for CCSDS

15. **ISO/DIS 21082**
    Space data and information transfer systems – Mission operations – MAL space packet transport binding and binary encoding

16. **ISO/DIS 21323**
    Space data and information transfer systems – CCSDS Bundle protocol specification

17. **ISO/DIS 21324**
    Space data and information transfer systems – Space data link security protocol

18. **ISO/DIS 22645**
    Space data and information transfer systems – TM (telemetry) space data link protocol

19. **ISO/DIS 22664**
    Space data and information transfer systems – TC (telecommand) space data link protocol

20. **ISO/DIS 22666**
    Space data and information transfer systems – AOS (advanced orbiting systems) space data link protocol

21. **ISO/DIS 22672**
    Space data and information transfer systems – Space link extension (SLE) – Forward space packet service specification

❖ **Standards Under Development:**

1. **ISO/DIS 15889**
   Space data and information transfer systems – The data description language EAST specification

2. **ISO/DIS 17107**
   Space data and information transfer systems – XML specification for navigation data messages

3. **ISO/DIS 17214**
   Space data and information transfer systems – Spacecraft onboard interface services – Time access service

4. **ISO/DIS 17355**
   Space data and information transfer systems – CCSDS file delivery protocol

5. **ISO/DIS 22671**
   Space data and information transfer systems – Space link extension (SLE) – Forward communications link transmission unit (CLTU) service

Respectfully submitted:

James Afarin, NASA-HQ, USA
Chair, U.S. Technical Advisory Group (TAG) to ISO/TC 20/SC 13
U.S. Representative to ISO/TC 20/SC 13