**ISO TC20/SC14/WG3**

**Spring Plenary Meeting**

**Guidance and Objectives**

**WG3 Meetings will focus on governance, administration, and strategy for the future. The proposed structure is as follows. Each area will be assigned to an active member of the working group or representative of a specific national delegation. Suggested assignments are in parentheses.**

* **Flight Dynamics and Astrodynamics (United States)**
  + Space systems — Orbit determination and estimation — Process for describing techniques [Tech Spec]
  + Space systems — Avoiding collisions with orbiting objects [Tech Rep]
  + Space systems — Estimation of orbit lifetime
  + Space data and information transfer systems — Orbit data messages
  + Space systems — Re-entry safety control for unmanned spacecraft and launch vehicle orbital stages
  + *Best Practices for Small Satellite Operations*
  + *Orbit and Operational Data Transfer*
    - *Orbit Data Messages*
    - *Conjunction Data Message*
* **Flight and Spacecraft System Operations (Japan)**
  + Space systems — Space experiments — General requirements
  + Space systems — Unmanned spacecraft residual propellant mass estimation for disposal manoeuvres
  + Space systems — Gas contamination — Measurements methods for field tests
  + Space systems — Fluid characteristics — Parts 1-13
  + *Reliability and Maintainability*
* **Launch, Orbit Insertion, and Early Onboard Operations (China)**
  + Space systems — Relative motion analysis elements after LV/SC separation
  + Space systems – Calculation of orbit elements at spacecraft - Launch vehicle separation
* **Spacecraft transportation, launch, and on orbit safety. (Russia)**
  + Space systems — Safety requirements — Part 1: System safety
  + Space systems — Safety requirements — Part 2: Launch site operations
  + Space systems — Ground support equipment for use at launch, landing, or retrieval sites — General requirements
  + Space systems — Safety requirements — Part 3: Flight safety systems
  + Space systems — Flight to ground umbilicals
    - Space systems — Flight to ground umbilicals — Amendment 1: Add Annex A, Prevention of accidental cross connection
  + Space systems — Launch pad and integration site — Analysis of failures
  + Space systems — Unmanned spacecraft transportation — General requirements
  + Space systems — Launch and integration site general test requirements
  + Space systems — Launch pad and integration site operational documents
  + Space systems — Relative motion analysis elements after LV/SC separation
* **Spacecraft Disposal and End of Life (France)**
  + Space systems — Unmanned mission operations concepts — Guidelines
  + Space systems — Disposal of satellites operating in or crossing Low Earth Orbit
  + Space systems — Disposal of orbital launch stages
  + Space systems — Design and operation manual for spacecraft operated in the debris environment
  + Space systems — Orbital debris, routes to compliance and management for debris mitigation
  + Space systems — Disposal of satellites operating at geosynchronous altitude