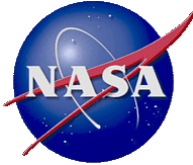


WG3 Document Status

**30th Inter-Agency Space Debris Coordination Committee (IADC-30)
May 2012**

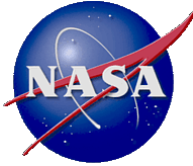
NASA JSC/James L. Hyde
NASA JSC-KX/Eric L. Christiansen
NASA JSC-ES/Kornel Nagy

Protection Manual Status



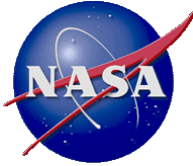
- **“Protection Manual v4.0” (PM 4.0)**
 - Closed IT26-1: Update of Protection Manual: v4.1 with the submittal of “IADC-WD-00-03_v4_rev8.doc” to SG on 12 March 2010.
 - Residual tasks moved to new IT28 “Protection Manual 5.0”
- **PM 4.0 published on IADC public website (Oct 2011)**
<http://www.iadc-online.org/Documents/ProtectionManualnVer4nApr11.pdf>
- **Closed Action Items for PM 5.0 (updates performed)**
 - IT28-1-1: ESABASE2 v3.0, description & benchmark results (2.3.3 & 2.4)
 - IT28-1-2: COLLO, description & benchmark results (2.3.4 & 2.4)
 - IT28-1-3: TURANDOT, description (2.3.9) - benchmark results needed!
 - IT28-1-4: Facility Cross Calibration (4.3)
 - IT28-1-7: Impact Risk Analysis of Unmanned Spacecraft (2.7)
 - IT28-1-8: MDPS Optimization (7)
 - IT28-1-9: Influence of Target Temperature on Impact Damage (3.1.4)

Protection Manual Status



- **Open Action Items for PM 5.0 (IADC-04-03_v5_rev3.docx)**
 - IT28-1-3: TURANDOT benchmark results (Higashide)
 - IT28-1-6: Description of SRL equations (Schafer)
 - IT29-1: NASA/CNSA cross calibration testing results (Han)
 - IT29-2: NASA/CSA cross calibration testing results (Nikanpour)
 - IT29-4: Assessment methodology for vulnerability of spacecraft components (Schafer)
- **Open Action Items for PM 6.0**
 - IT28-1-5: Proposal for chapter 3 reorganization with BLE summary table & description sheets (Reimerdes)
 - IT28-1-8.3: Benchmark calculations for MDPS optimization (Francesconi)
 - IT28-1-11: Update Shape Effects section 3.1.3 (Schafer)

Sensor Systems Report Status



- **“Sensor Systems to Detect Impacts on Spacecraft v1.1” (SS v1.1)**
 - IT29-5: version 1.1 (30 November 2010) distributed to WG3 members for comment after IADC29 (April 2011)
 - Comments received from CSA/Nikanpour on 8 September 2011
- **SS v2.0 draft document (IADC-08-03_v2-draft_09_08_11.docx) ready for WG3 final review before submittal to SG**
 - Changes needs to be accepted