

**Space Debris Situation Report - Proposed New Outline (Darren Mc Knight)**  
**To be discussed among contributors to the new report**

1.Sources of Space Debris

- include counts, mass, types, breakup events, deterioration of surfaces, etc

2.Monitoring Space Debris

- optical, radar, and returned samples

3.Risks from Space Debris

- ground casualties from reentry
- disrupt satellite operations
- destruction of objects (which creates more debris that disrupt satellite operations)

4.Debris Population Evolution

- key parameters: launch rates, fragmentations (explosions and collisions), longevity without mitigation, etc - just a baseline of the past and extrapolate to future
- special issues: satellite servicing, constellations, and cubesats

5.Debris Risk Management

- Shielding and design
- Debris mitigation
- Debris remediation
- Space Traffic Management (STM)
  - <Discuss current SDA ops and future STM concepts

6.Legal, Policy, and Regulatory Issues and Opportunities