MEETING WITH SIA ON
PART 25 FNPRM

July 15, 2014
Main Issues

• ITU Filings for Space Stations
  • Recommendation 5.8 (Report on FCC process Reform)

• Two-Degree Spacing Rules
  • Recommendation 5.28 (Report on FCC process Reform)

• Milestones & Bonds
  • Recommendation 5.29 (Report on FCC process Reform)

• Further Rule Streamlining
  • Recommendation 5.29 (Report on FCC process Reform + matters deferred in the August 2013 R&O)
Further Rule Streamlining (1)

• Topics include:
  1. Extension of applicability of aggregate EIRP density limit as opposed to per earth station limit
  2. Expansion of routine licensing eligibility
    - Alternative criteria for 20/30 and 17/24 GHz earth stations
    - Inclusion of “extended C-band” earth stations
  3. Harmonization of off-axis gain and off-axis EIRP density requirements with required antenna measurements
  4. Automatic grant for certain unopposed space station modification applications
    - Relocation of a GSO within ±0.15° of the originally authorized location
    - Repositioning or rotation of a GSO beam within ±0.3° w.r.t. the original authorization
  5. Earth station modifications without prior approval for communication with a GSO replacement within ±0.15° of the originally authorized location
Further Rule Streamlining (2)

6. Extend the fleet management rule to include relocations to an orbital location within ±0.15° of the originally authorized location.

7. No need of filing for receive-only earth stations communicating with non-U.S. licensed space stations approved for U.S. market access.

8. Eliminate requirement for “conventional C-band” use of:
   - orthogonal linear polarization
   - opposite polarization on uplink and downlink;
   - capability of switching polarization upon ground command.

9. Eliminate the cross-polarization requirement for FSS space stations except 17/24 GHz.

10. Eliminate requirement for “conventional C-band” analog video carriers to be at specific center frequencies.

11. Relax deadlines for submitting predicted and measured gain data for 17/24 GHz BSS space stations.
Further Rule Streamlining (3)

- Amount of information required in Schedule S was significantly reduced by the August 2103 R&O, as summarized in the January 2014 PN that granted an interim waiver with respect to submission of such information.
- It is expected that adoption of the changes proposed in the FNPRM will further reduce the required information (e.g. possible elimination of the space station cross-polarization requirement eliminates the need for cross-polarization antenna patterns).
- The FNPRM will invite comments about further Schedule S information that could be potentially eliminated.