



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 $\pm 0.15^\circ$ of the originally authorized location
 - Repositioning or rotation of a GSO beam within $\pm 0.3^\circ$ w.r.t. the original authorization
 5. Earth station modifications without prior approval for communication with a GSO replacement within $\pm 0.15^\circ$ of the originally authorized location

Further Rule Streamlining (2)

6. Extend the fleet management rule to include relocations to a orbital location within $\pm 0.15^\circ$ 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