

SUPPLEMENT TO ORBITAL DEBRIS MITIGATION SHOWING

Attached hereto is information regarding the end-of-life status of the propellant, oxidizer and helium tanks on APSTAR VI. The propellant and oxidizer tanks will be vented at end-of-life by leaving the thruster valve open. The three helium tanks, however, are sealed and will have a total estimated mass of 6.6 kilograms of helium remaining at the end-of-life. Information on the volume, pressure and assumed temperature of the helium tanks is attached hereto.

To the extent necessary, a waiver of the requirement in Section 25.283(a) of the FCC's Rules that pressure vessels be relieved at end-of-life is hereby requested in connection with the three sealed helium tanks on APSTAR VI. It should be noted that APSTAR VI was launched in April 2005, which is a relatively short time after the September 9, 2004, Federal Register publication date of Section 25.283. Moreover, the Satellite Industry Association ("SIA"), along with a number of satellite operators, manufacturers, and service providers, have proposed that the FCC grant a blanket waiver of Section 25.283(c) for in-orbit satellites, such as APSTAR VI, that cannot fully comply with the rule. Such a limited waiver is warranted in light of the proposed service that can be provided by APSTAR VI and the impossibility of changing APSTAR VI's design at this time.

Assessments on Conformity of APSTAR-VI Satellite with FCC rules

Regarding Orbital Debris Mitigation

Regarding the question for propulsion system for APSTAR VI, that the additional information in respect of helium remaining with the pressure, container and volume are stated as the below:-

APSTAR-VI(SB4000C2)		
container		status on end of life
1	fuel	vent by leaving thruster valve open
2	oxidizer	vent by leaving thruster valve open
3	helium	sealed: 51.6litre,30bar,0-40°C
4	helium	sealed: 51.6litre,30bar,0-40°C
5	helium	sealed: 51.6litre,30bar,0-40°C