

ORIGINAL

1776 K STREET NW  
WASHINGTON, DC 20006  
PHONE 202.719.7000  
FAX 202.719.7049

7925 JONES BRANCH DRIVE  
McLEAN, VA 22102  
PHONE 703.905.2800  
FAX 703.905.2820

www.wileyrein.com

FILED/ACCEPTED

AUG 20 2007

Federal Communications Commission  
Office of the Secretary

August 20, 2007

Jennifer D. Hindin  
202.719.4975  
jhindin@wileyrein.com

**BY HAND DELIVERY**

Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12th Street, S.W.  
Washington, D.C. 20554

Re: Iridium Satellite LLC, Update to Orbital Debris Mitigation Plan File Nos.  
SAT-MOD-19961204-00139, SAT-AMD-20051118-00236  
**PUBLIC VERSION – BUSINESS PROPRIETARY INFORMATION  
DELETED**

Dear Ms. Dortch:

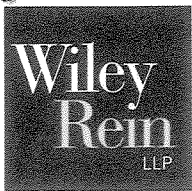
Iridium Satellite LLC (“Iridium”), by its attorney, files this letter pursuant to Section 1.65 of the Federal Communications Commission’s rules<sup>1</sup> to update the accuracy of Iridium’s orbital debris mitigation plans filed with the above-referenced application to provide AMS(R)S using its existing satellite constellation.<sup>2</sup>

On November 18, 2005, Iridium reported that a total of **[Business Proprietary Information Deleted]** of maneuvering and attitude control propellant had been allocated to accomplish the phase 1 and phase 2 disposal orbit maneuvering.<sup>3</sup> Boeing, the contract manager of Iridium’s satellite constellation, recently revised its de-orbit plans to allocate **[Business Proprietary Information Deleted]** of maneuvering and attitude control propellant to accomplish the phase 1 and phase 2 disposal orbit maneuvering. This change is the result of Boeing refining its analysis as to how much fuel is need to meet the 25-year orbital lifetime. All other elements of Iridium’s orbital debris mitigation plan that was submitted on November 18, 2005 remain the same.

<sup>1</sup> 47 C.F.R. § 1.65.

<sup>2</sup> Iridium Constellation LLC, File No. SAT-MOD-19961204-00139 (filed Dec. 4, 1996) (requesting authority to provide Aeronautical Mobile-Satellite (Route) Service (AMS(R)S) over the IRIDIUM system).

<sup>3</sup> Iridium Satellite LLC, File No. SAT-AMD-20051118-00236, Attachment at 3 (filed Nov. 11, 2005) (amending its application to provide AMS(R)S to include an updated orbital debris mitigation statement, per the Commission’s Public Notice of October 13, 2005 (DA 05-2698)).



Marlene H. Dortch  
August 20, 2007  
Page 2

Please contact the undersigned with any questions.

Respectfully submitted,

A handwritten signature in cursive script that reads "Jennifer D. Hindin".

Jennifer D. Hindin  
Catherine M. Hilke

cc: Andrea Kelly  
Karl Kensinger