555 Eleventh Street, N.W., Suite 1000
Washington, D.C. 20004-1304
Tel: (202) 637-2200 Fax: (202) 637-2201
www.lw.com

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December 19, 2005

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

Re: Notice of Ex Parte Presentation
Hughes Network Systems Sub, LLC – File No. 0137-EX-ML-2005 (Call Sign WD2XJU); Aeronautical Radio, Inc. – File No. 0327-EX-PL-2005

Dear Ms. Dortch:

On Friday, December 16, 2005, Diane J. Cornell, Vice President, Government Affairs, Jonas Eneberg, Manager, Spectrum, both of Inmarsat, and I, had a meeting/teleconference with Ira Keltz and James R. Burtle of the Office of Engineering and Technology. The enclosed document formed the basis for the conversation.

Sincerely yours,

John P. Janka

cc: James Burtle
Ira Keltz

Enclosure

BGAN Experimental Authorizations

16 December 2005

inmarsat

Total Communications Network™

What is BGAN?

- A new broadband MSS service, which
  - provides data rates of up to 492 kbps to portable, notebook-sized terminals
  - is now available in other parts of the world
- The driving force behind the new I-4 spacecraft
  - Spacecraft launched in February now serves Europe, Asia and Africa
  - Spacecraft launched in November will serve the Americas

Status of Experimental Authorizations

- HNS and ARINC sought experimental authority for the new I-4 spacecraft at 52.75° W.L.
  - HNS' application was granted
  - ARINC's application is pending
- MSV filed for reconsideration of the HNS authorization and opposed the ARINC application
- OET has made these proceedings "permit but disclose"

Purpose of Experimental Authorizations

- Allow end-to-end testing of BGAN service
  - in the U.S.
  - prior to the expected introduction of commercial service in Q1 2006
- Qualify terminals for aeronautical service

There are No Interference Issues

- BGAN experimental uses are within the technical envelope under which the existing I-3 satellite long has operated
  - EIRP spectral density will be no greater than the carriers successfully transmitted today over I-3 at 54 W.L.
  - Out-of-band emissions will not exceed the limits of §25.202(f) (1), (2) and (3)
- No adverse effect on the interference environment that currently exists
- In any event, experimental uses are authorized only on a non-harmful interference basis (47 CFR § 5.85(c))

There are No Policy Issues

- The absence of a current L-Band spectrum coordination agreement is no barrier
- The Commission has a long history of authorizing new L-Band uses
  - to facilitate competition and new services
  - in the absence of a current spectrum coordination agreement
  - on a non-harmful interference basis

Conclusion

- OET should facilitate new and innovative broadband services by
  - Denying MSV's request to reconsider HNS' authorization
  - Promptly granting ARINC's application for an experimental authorization

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