

EXPEDITED CONSIDERATION REQUESTED
REQUESTED ACTION DATE: MAY 21, 2008

HNS License Sub, LLC
Modification Application
Call Sign WE2XEW
May 2008

DESCRIPTION OF MODIFICATION APPLICATION AND
PROPOSED CHANGES TO PROGRAM OF EXPERIMENTATION

By this application, HNS License Sub, LLC (“Hughes”) proposes to further modify its license for experimental Call Sign WE2XEW, File Nos. 0011-EX-PL-2006 and 0023-EX-ML-2008. Specifically, Hughes seeks to expand the operating area of the authorized Ku-band and Ka-band mobile terminals to include coastal waters around the continental United States (“CONUS”), in order to allow testing of terminals mounted on vessels that operate in those waters.

With the exception of the fact that the authorized terminals are proposed to be tested on vessels on inland waterways within CONUS and in adjacent coastal waters, all other parameters – including all technical and operational parameters – of the authorized terminals are completely unchanged and all of the licensing conditions in the authorization under Call Sign WE2XEW will remain in full force and effect. Hughes notes in this respect that the conditions currently applicable to Hughes’s vehicle-mounted operations include limitations on off-axis EIRP spectral density from Section 25.222 of the Commission’s Rules. *See* Hughes Authorization, Call Sign WE2XEW, at Condition 10. Section 25.222 is the rule that applies to Ku-band networks of earth stations mounted on vessels (“ESV”). Conditions regarding coordination with NASA over operation near Tracking and Data Relay Satellite System receive sites, and requiring the automatic cessation of transmissions from mispointed antennas, are also taken from the

Commission's ESV rule. *See* Hughes Authorization, Call Sign WE2XEW, at Conditions 8 and 11; 47 C.F.R. § 25.222.

Grant of the non-technical modification proposed herein would provide an important new platform for the domestic testing, demonstration and training operations of mobile terminals within and just beyond CONUS. Hughes will be able to continue its program of developing small, high-throughput terminals that are desired by the Department of Defense for military use in command, control, communications, intelligence, surveillance and reconnaissance ("C³ISR") functions. Critically, there will be no change whatsoever in Hughes's ability and responsibility to satisfy its obligation not to cause harmful interference through the terminals it will be using.

In view of the benefits outlined above, the absence of a need for detailed technical review, and the strong interest its potential Federal customers have in beginning their assessment of the operational capabilities of the equipment when mounted on vessels, Hughes respectfully requests expedited consideration and grant of this modification of license application. **In particular, Hughes requests that the application be granted on or before May 21, 2008.**