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April 15, 2010

BY ELECTRONIC POSTING

Mr. James Burtle
Chief, Licensing Branch
Office of Engineering & Technology
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

Re: Application of Northrop Grumman Space & Mission Systems Corp. for Modification of License for WF2XDU (File No. 0045-EX-ML-2010)

Dear Mr. Burtle:

By this letter, Northrop Grumman Space & Mission Systems Corp. (“NGAS”) responds to the Commission’s April 12, 2010 e-mail inquiry regarding the circumstances of the request for expedited processing that NGAS included in its above-referenced application for modification of the license it holds for Experimental Radio Service station WF2XDU. In the application, NGAS requested action in advance of demonstrations that were scheduled to take place beginning April 21, 2010. *See* WF2XDU Modification Application, Narrative, at 3.

NGAS does have demonstrations of its earth station capabilities scheduled for potential Federal Government customers. Agencies slated for demonstrations in the coming months include the Department of Defense’s Rapid Reaction Technology Office, National Geospatial-Intelligence Agency, and Operationally Responsive Space Office. Because of logistical requirements, tests initially tentatively scheduled for late April and May 2010 will now not begin until June 2010. The testing program using NGAS equipment and the TECSAR earth-exploration satellite service (“EESS”) satellite has been underway since 2009, and prospective customers are examining the data potential of this type of EESS system to satisfy important and evolving government requirements. With the deferral to June of the demonstrations NGAS contemplates for its modified WF2DXU license, and the ability NGAS has to use currently-authorized sites in the interim, there no longer is a requirement for action on the Modification Application on or before April 21.

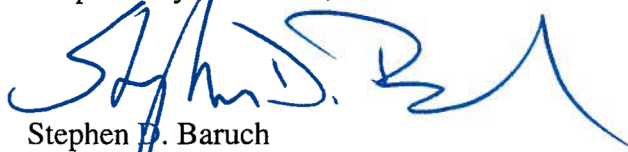
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To the extent that the Modification Application can be processed to grant in the ordinary course by the end of May 2010, expeditious processing is no longer required. As NGAS explains in the application, the only changes to its technical parameters are an increase in minimum elevation angle that should further ease interference concerns from authorized users, and a clarification of ERP. This means that the Modification Application should be able to be processed relatively quickly and without too much additional back and forth between the Commission and the Federal Government users that operate in the EESS and space operations bands NGAS uses on a non-harmful interference basis for its demonstrations.

Please direct any additional questions your office may have on the NGAS application for modification of its WF2XDU license to me.

Respectfully submitted,



Stephen D. Baruch
*Attorney for Northrop Grumman Space
& Mission Systems Corp.*

cc (by e-mail): Mr. Doug Young
Mr. Hau H. Ho