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BY HAND DELIVERY

Ms. Magalie R. Salas, Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Further Supplemental Information Regarding Application of Lockheed Martin Corporation to Modify Earth Station at Carpentersville, NJ (Call Sign E7541, File Nos. SES-MOD-20001130-02268 and SES-AMD-20010717-01356)

Dear Ms. Salas:

This letter provides further supplemental information regarding the above-referenced application of Lockheed Martin Corporation ("LMC") to modify its license for a C-band Earth station facility at Carpentersville, New Jersey to include spectrum in the 3650-3700 MHz (extended C-band) range. In its initial application, LMC sought a waiver of the Commission rule that would accord primary status only to those extended C-band earth stations for which applications that were filed prior to December 1, 2000 and which sought to establish new or modified extended C-band facilities that are located within 10 miles of an existing grandfathered extended C-band Earth station receive site. LMC's application was filed on November 30, 2000, but requested primary status for an extended C-band Earth station receive site that is located approximately 45 miles from the nearest grandfathered site (i.e., the one in Franklin, New Jersey). See LMC Application at Exhibit 1.

In August 2001, LMC supplemented its application with the submission of a figure, prepared for LMC by Comsearch, that purported to show that if a 200 kilometer coordination zone for fixed service systems is established around the coordinates of LMC's Carpentersville Earth station facility in western New Jersey, the entire 200 kilometer coordination zone would be encompassed within the 200 kilometer coordination zones of other extended C-band Earth stations on the grandfathered list that is included in the Commission's *First Report and Order and Second Notice of Proposed Rule Making* in ET Docket No. 98-237. In fact, close examination of the figure shows that there is a tiny area, to the far southeast of the 200 kilometer

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coordination zone around the Carpentersville site, that appears not to be fully within any of the other coordination zones plotted on the figure.

LMC has revisited the subject of the “uncovered” area of the coordination zone around the Carpentersville site with Comsearch, and provides two new figures for the Commission’s consideration. In the first new figure that is attached to this letter, the scale of the figure provided in August is enlarged to show that the area of the Carpentersville facility’s coordination zone that may not be fully within the coordination zones of the other plotted grandfathered earth stations is located in the Atlantic Ocean to the southeast of Cape May, New Jersey and to the northeast of Lewes, Delaware. As a practical matter, fixed service stations will not be able to be located in this area. In the second new figure, coordination zones for two additional grandfathered extended C-band earth stations – one in Alexandria, Virginia and the other in Staten Island, New York – are added to the figure. The addition of these two earth station coordination zones appear to effectively cover the small area of ocean that appeared to be uncovered in the figure LMC submitted in August.

The following grandfathered extended C-band earth stations are the ones plotted on the second attached figure (and all but the Alexandria and Staten Island stations were plotted on the August figure as well):

<u>Earth Station</u>	<u>Call Sign</u>	<u>Coordinates</u>
Alexandria, VA	KA81	38° 47’ 36” N / 77° 09’ 59” W
Clarksburg, MD	KA260	39° 13’ 05” N / 77° 16’ 12” W
Franklin, NJ	E6777/KA231	41° 07’ 04” N / 74° 34’ 33” W
Happauge, NY	E950436	40° 49’ 15” N / 73° 15’ 50” W
Hawley, PA	E950209	41° 27’ 51” N / 75° 07’ 48” W
Roaring Creek, PA	WA33	40° 53’ 37.5” N / 76° 26’ 22” W
Staten Island, NY	KA308	40° 36’ 13” N / 74° 10’ 39” W

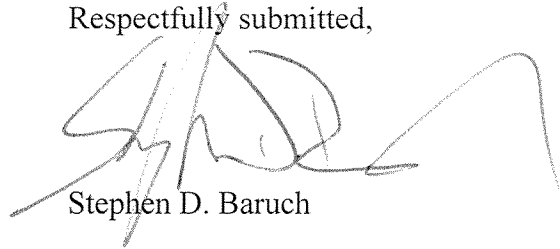
As a result of the two new figures, LMC is able to reiterate that the grant of primary status to LMC’s proposed facility would not impose any coordination obligation that does not already exist, yet it would provide the certainty and other desirable benefits of primary status that LMC recited in its application. *See* LMC Application at Exhibit 1. LMC further reiterates that it has shown in its initial application that the unique terrain features of the Carpentersville complex will greatly reduce the likelihood that a terrestrial station could interfere with the Earth station’s operations in any event. *Id.* at Exhibit 1 and attachments.

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On the basis of the foregoing, and for the reasons it provided in its Application (as amended) and August 2001 Supplement, LMC respectfully renews its request that the Commission grant LMC's extended C-band modification of license application for Carpentersville.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Stephen D. Baruch", is written over the typed name. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Stephen D. Baruch

Enclosure

cc (w/ encl.): Karl Kensinger (by e-mail)
Sylvia Lam (by e-mail)
Jennifer Warren (by e-mail)

