

ORIGINAL

BEFORE THE
Federal Communications Commission
WASHINGTON, D.C. 20554

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In re the Applications of
LOCKHEED MARTIN CORPORATION

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For Authority to Launch and Operate Five
Geostationary Satellites in the
Radionavigation-Satellite Service

To: *Satellite Division*
~~The Commission~~

File Nos.: SAT-AMD-20030730 00149
through 00153

Received

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Policy Branch
International Bureau

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Int'l Bureau

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REPLY COMMENTS OF LOCKHEED MARTIN CORPORATION

Lockheed Martin Corporation ("Lockheed Martin"), by its attorneys and pursuant to Section 25.154 of the Commission's rules, 47 C.F.R § 25.154, hereby replies to the comments that were filed in response to one of the orbital locations specified in the above-captioned July 30, 2003 amendment to Lockheed Martin's above-captioned geostationary-orbit radionavigation-satellite service ("RNSS") system.¹ The only entity to file comments on the RPS Amendment was PanAmSat Corporation ("PAS"). Although PAS's comments were generally supportive of RPS, and PAS did not object to the grant of Lockheed Martin's RPS Application, as amended, PAS nevertheless reminded Lockheed Martin and the Commission that PAS has some satellite interests at the 125° West Longitude orbital location, and that there will need to be some coordination between the two geostationary space-station operators.²

As the proponent of a geostationary-satellite orbit spacecraft at 125° West Longitude (such a spacecraft proposal would be considered "GSO-like" under Commission rules that went into

¹ Lockheed Martin's system is called the Regional Positioning System ("RPS"). Prior to the above-referenced amendment, RPS was comprised of up to twelve satellites at six orbital locations. In the Amendment, Lockheed Martin voluntarily dismissed its application for spacecraft at one of the locations, leaving five orbital locations worldwide. In its Amendment, Lockheed Martin also relocated spacecraft from its originally-filed slot at 129° West Longitude to the 125° West Longitude orbital location.

² Comments of PanAmSat Corp. at 1, 2 ("PAS Comments").

effect after Lockheed Martin filed the RPS Amendment), Lockheed Martin is fully aware of the many Commission and International Telecommunication Union ("ITU") regulations that apply or will apply to its use of 125° West Longitude. Included among these regulations are stationkeeping requirements (47 C.F.R. § 25.210(j); Nos. 22.6 to 22.10 of the ITU Radio Regulations) and the obligation to coordinate with certain co-frequency spacecraft (47 C.F.R. §§ 25.111 and 25.272; Section II of Article 9 of the ITU Radio Regulations). With regard to PAS's comment concerning "unwanted emissions" from the RPS satellite's TT&C operations in C-band frequencies below 3700 MHz into the current PAS 125° West Longitude satellite's operations in C-band fixed-satellite service frequencies above 3700 MHz (*see* PAS Comments at 2), Lockheed Martin will comply with any applicable Commission regulations.

In short, PAS does not object to the grant of Lockheed Martin's application for an RPS spacecraft in the RNSS at 125° West Longitude, and it anticipates the successful resolution of any outstanding minor intersystem issues. As such, PAS's comments interpose no impediment whatsoever to the grant of Lockheed Martin's RPS Application, as amended.

Respectfully submitted,

LOCKHEED MARTIN CORPORATION

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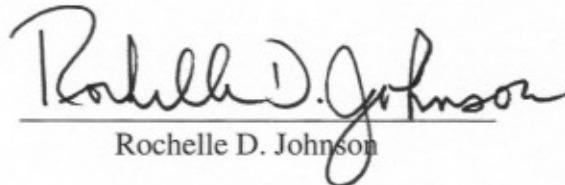
Its Attorneys

CERTIFICATE OF SERVICE

I, Rochelle D. Johnson, do hereby certify that on this 1st day of October, 2003, I sent by U.S. first-class, postage prepaid mail, a copy of the foregoing ***Reply Comments of Lockheed Martin Corporation*** to the following:

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Rochelle D. Johnson