

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554**

In the Matter of

Application of RigNet SatCom, Inc. to	)	Call Sign: E060317
Modify Existing Very Small Aperture	)	
Terminal (“VSAT”) Blanket License to Add	)	File No.:
New Ku-band Remotes	)	

**APPLICATION TO MODIFY VSAT BLANKET LICENSE**

By this application, RigNet Satcom, Inc. (“RigNet”) respectfully seeks to modify its existing Ku-band very small aperture terminal (“VSAT”) blanket authorization, Call Sign E060317, by adding authority to operate eight (8) new terminal types in the 11.7-12.2 GHz (space-to-Earth) and 14.0-14.5 GHz (Earth-to-space) bands. The proposed modification will allow RigNet to provide more robust satellite communication services to U.S. customers in the energy and mining industries, where alternative communications services are generally unavailable, and deliver improved connectivity solutions that support critical commercial activities.

**I. Discussion**

RigNet seeks to add the following Ku-band VSAT terminals to its license for operations in the 11.7-12.2 GHz and the 14.0-14.5 GHz bands, each of which has been previously authorized by the Commission (prior authorization noted):

- 100 Prodelin Model 1984 0.98m VSAT remotes (REMOTE 3);<sup>1</sup>
- 200 Prodelin Model 1123 1.2m VSAT remotes (REMOTE 4);<sup>2</sup>

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<sup>1</sup> See, e.g., Clear Channel Satellite Services, File No. SES-MOD-20101102-01379, Call Sign E050143.

<sup>2</sup> See, e.g., RigNet SatCom Inc., File No. SES-MOD-20050621-00798, Call Sign E950149.

- 250 Prodelin Model 1132 1.2m VSAT remotes (REMOTE 5);<sup>3</sup>
- 250 Prodelin Model 1134 1.2m VSAT remotes (REMOTE 6);<sup>4</sup>
- 50 Prodelin Model 1251 2.4m VSAT remotes (REMOTE 7);<sup>5</sup>
- 250 Winegard Model SF840 0.84m VSAT remotes (REMOTE 8);<sup>6</sup>
- 250 SkyWare Model 123 1.2m VSAT remotes (REMOTE 9);<sup>7</sup> and
- 150 Winegard Model SPA1800 1.8m VSAT remotes (REMOTE 10).<sup>8</sup>

In addition to the currently authorized hub earth stations located at the Mountainside teleport facility in Hagerstown, Maryland (geographic coordinates: 39° 35' 59.6" N, 77° 45' 27.5" W), RigNet seeks to communicate with a hub earth station located at a teleport facility in Ellenwood, Georgia (geographic coordinates: 33° 39' 59.0" N, 84° 16' 19.0" W)<sup>9</sup> Moreover, RigNet seeks to add authority to operate each new remote VSAT terminal with any U.S.-licensed or non-U.S.-licensed satellites on the Commission's Permitted Space Station List ("Permitted List").

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<sup>3</sup> *Supra n.1.*

<sup>4</sup> *See, e.g.,* TampNet Inc., File No. SES-LIC-20101213-01543, Call Sign E100138.

<sup>5</sup> *See, e.g.,* LBISAT LLC, File No. SES-MOD-20151020-00758, Call Sign E050126.

<sup>6</sup> *See, e.g.,* Data Technology Solutions, File No. SES-MOD-20150227-00103, Call Sign E100084.

<sup>7</sup> *See, e.g.,* The Boeing Company, File No. SES-LIC-20131219-01204, Call Sign E130239.

<sup>8</sup> Although this earth station model has not been previously authorized by the Commission, it is eligible for routine processing because it meets the relevant off-axis gain standards in Section 25.209 of the Commission's rules, 47 C.F.R. § 25.209, and that the antenna will not exceed the relevant off-axis EIRP density limit in Section 25.212(c) of the Commission's rules, 47 C.F.R. § 25.212(c). *See* 47 C.F.R. §§ 25.115(g)(2) and 25.132(a)(1).

<sup>9</sup> *See* Intelsat License LLC, File No. SES-RWL-20110211-00146, Call Sign E990092.

The proposed terminals are compliant with the relevant off-axis EIRP spectral density masks adopted by the Commission<sup>10</sup> and thus eligible for routine processing under the Commission's rules.<sup>11</sup> In addition to the attached FCC Form 312 Schedule B, which contains the relevant information relating the technical parameters of the proposed VSAT operations, RigNet provides radiation hazard studies for each VSAT remote.

## **II. Public Interest Statement**

Grant of this application will serve the public interest by allowing RigNet to provide improved satellite services to U.S. companies and personnel in the mining and energy industries that rely on satellite connectivity for critical operational and employee support. Adding new VSAT terminals will help RigNet deliver more reliable broadband satellite services to a wide array of users in rural areas, including remote exploration sites and oil platforms, that may be unable to obtain communications services through alternative facilities. In addition, using stabilized VSAT remotes, RigNet will be able to provide users with high-speed Internet access, corporate VPN, e-mail, voice and other services, including emergency communications in both inland and off-shore deployments.

## **III. Conclusion**

Based on the foregoing, RigNet respectfully requests that the Commission grant its request to modify its VSAT blanket license, Call Sign E060317, by adding authority to operate new Ku-band VSAT terminals with any U.S.-licensed or non-U.S. licensed satellite on the Commission's Permitted List.

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<sup>10</sup> See 47 C.F.R. § 25.218(f).

<sup>11</sup> See 47 C.F.R. § 25.115(c)(1)(i).