

**Before the  
Federal Communications Commission  
Washington, DC 20554**

In the Matter of	)	
	)	
SpaceQuest, Ltd.	)	Call Sign: _____
	)	File No.: _____
Application for a 180-Day Special	)	
Temporary Authorization to Operate the	)	
AprizeSat-8 and AprizeSat-10 Satellites	)	

**APPLICATION FOR 180-DAY SPECIAL TEMPORARY AUTHORIZATION  
TO OPERATE THE APRIZESAT-8 AND APRIZESAT-10 SATELLITES**

SpaceQuest, Ltd. (“SpaceQuest”), pursuant to Section 25.120(a) of the Federal Communication Commission’s (“Commission”) rules, respectfully requests a 180-day special temporary authorization (“STA”) to operate the AprizeSat-8 and AprizeSat-10 non-geostationary orbit (“NGSO”) small satellites (“smallsats”) (together, the “AprizeSats”). Operating authority for the AprizeSat-8 and AprizeSat-10 granted under Part 5 of the Commission’s rules is set to expire on July 1, 2021.<sup>1</sup> This STA application is submitted to ensure appropriate authority to operate the AprizeSats remains in place during the pendency of SpaceQuest’s concurrently filed application for a streamlined small space station authorization, which is hereby incorporated by reference in its entirety.<sup>2</sup>

The AprizeSats operate in low-Earth orbit in the following frequency bands:

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<sup>1</sup> See Aprize Satellite Inc., File No. 0301-EX-CR-2019, Call Sign WD2XFT. SpaceQuest operates the AprizeSats on behalf of the existing experimental licensee, Aprize Satellite Inc. (“Aprize”). This STA request is limited to the AprizeSat-8 and AprizeSat-10 satellites.

<sup>2</sup> See SpaceQuest, Ltd., File No. SAT-LOA-20210503-00058 (filed May 3, 2021). Out of an abundance of caution, Aprize has also filed an application for renewal of Part 5 authority to operate the AprizeSats. See File No. 0272-EX-CR-2021, Call Sign WD2XFT (filed May 2, 2021).

<b>Link Name</b>	<b>Frequency Band (MHz)</b>
AIS Uplink (satellite receive)	156.5-162.5 (E-to-s)
TT&C Uplink (satellite receive)	399.90-400.05 (E-to-s)
TT&C Downlink (satellite transmit)	400.50-400.65 (s-to-E)
Backup TT&C Uplink (satellite receive)	145.90-146.0 (E-to-s)
Data Downlink (satellite transmit)	2300-2305 (s-to-E)

The AprizeSats are smallsats that include a payload supporting the maritime automatic identification system (“AIS”),<sup>3</sup> a vessel tracking system which collects data for a range of users, including the Naval Research Lab, Homeland Security, and the U.S. Coast Guard. There are no differences between the operational characteristics of the AprizeSats requested herein and the existing Part 5 authority or the authority requested under the Commission’s streamlined small space station rules. SpaceQuest has a long history of operating the AprizeSats in the subject bands without any interference issues and the operations will continue to be conducted on an unprotected, non-interference basis.

Grant of this STA during the pendency of the separately filed application for a small space station authorization will serve the public interest by facilitating the uninterrupted operation of the AprizeSats to support vital ship tracking applications for U.S. Federal and other users. Therefore, SpaceQuest respectfully requests that the Commission grant a 180-day STA, effective from July 1, 2021, to continue operating the AprizeSats in accordance with their current operational characteristics as soon as practicable.

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<sup>3</sup> AIS is an advanced marine vessel tracking and navigation technology that can provide vessel information, (*i.e.*, the vessel's identity, type, position, course, speed, navigational status) automatically to appropriately equipped space stations.