

## **Exhibit 1 - Showing of Compliance with Section 25.222**

Vizada, Inc.

Application to Modify License to  
Update the Particulars of Operation and Antenna Facilities Specifications for the  
Sea Tel Model 4003A and 4006 1.0 Meter Ku-band Remote ESV Antennas;  
Update the Particulars of Operation and Antenna Facilities Specifications for the  
Sea Tel Model 5009 1.2 Meter Ku-band Remote ESV Antennas;  
Update the Particulars of Operation and Antenna Facilities Specifications for the  
Sea Tel Model 6006 1.5 Meter Ku-band Remote ESV Antennas;  
Add up to 500 Sea Tel Model 4009/4010 1.0 Meter Ku-band Remote ESV Antennas;  
Add up to 500 Sea Tel Model 5010 1.2 Meter Ku-band Remote ESV Antennas;  
Add up to 500 Sea Tel Model 6009 1.5 Meter Ku-band Remote ESV Antennas; and  
Add up to 500 Intellian 1.05 Meter Ku-band Model V110 Remote ESV Antennas to the  
Authorization to Provide ESV Service via Santa Paula, CA Teleport

FILE NO. SES-MOD-20091217-01592

Call Sign E890649

By this application applicant Vizada, Inc. (Vizada) requests that the Particulars of Operation (Section B of the license) and the Antenna Facilities Specifications (Section E of the license) listed in its authorization to provide Earth Station on Vessel (ESV) service via its Santa Paula, CA teleport, call sign E890649 be updated for the Sea Tel model 4003A and 4006 1.0 meter Ku-band remote ESV antennas; the Sea Tel model 5009 1.2 meter Ku-band remote ESV antennas; and the Sea Tel model 6006 1.5 meter Ku-band remote ESV antennas. It is requested that this update of the Particulars of Operation information and the Antenna Facilities Specifications for the 4003A, 4006, 5009 and 6006 antennas be accomplished by replacing the Particulars of Operation and the Antenna Facilities Specifications currently listed in the authorization for the model 4003A, 4006, 5009 and 6006 Sea Tel Antennas with the Particulars of Operation information and the Antenna Facilities Specifications set forth for the 4003A, 4006, 5009 and 6006 antennas in the responses for E38 through E50 of the Schedule B Section of the Application.

Vizada also requests that up to 500 Sea Tel model 4009/4010 1.0 meter Ku-band remote ESV antennas; up to 500 Sea Tel model 5010 1.2 meter Ku-band remote ESV antennas; up to 500 Sea Tel model 6009 1.5 meter Ku-band remote ESV antennas; and up to 500 Intellian model V110 1.05 Meter Ku-band remote ESV antennas be added to its authorization to provide ESV service via its Santa Paula, CA teleport, call sign E890649. These remote ESVs will be located on vessels traveling in U.S. and international waters. They will operate with hub antennas that have already been licensed and will be utilized to provide ESV service in the same manner as the other remote ESV antennas previously authorized by the Commission.

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Vizada's current E890649 Ku-band ESV authorization is set forth in the license dated April 13, 2010 pursuant to File Number SES-MOD-20091217-01592. The license authorizes Vizada to operate up to 250 Sea Tel model 4003A, 250 Sea Tel model 4006, 50 Sea Tel model 4996T, 500 Sea Tel model 5009 and 350 Sea Tel model 6006 antennas to communicate via any satellite on the Permitted Space Station List (ALSAT) to provide ESV service.

Vizada by this application now requests that the license be modified to update the Particulars of Operation (Section B of the license) and the Antenna Facilities Specifications (Section E of the license) listed in the current authorization for the Sea Tel model 4003A, 4006, 5009 and 6006 antennas by replacing the Particulars of Operation and Antenna Facilities Specifications listed for these antennas in the current authorization with the Particulars of Operation information and the Antenna Facilities Specifications set forth for the 4003A, 4006, 5009 and 6006 antennas in the responses for E38 through E50 of the Schedule B Section of the Application.

Vizada also seeks to add up to 500 Sea Tel model 4009/4010 1.0 meter Ku-band remote ESV antennas; up to 500 Sea Tel model 5010 1.2 meter Ku-band remote ESV antennas; up to 500 Sea Tel model 6009 1.5 meter Ku-band remote ESV antennas; and up to 500 Intellian model V110 1.05 Meter Ku-band ESV remote antennas to its authorization for the ESV remotes to communicate via any ALSAT satellite to provide ESV service. It is noted that the manufacturer of the 4009/4010, 5010 and 6009 states that these antennas share identical RF transmit and receive electrical components with the respective earlier models of each for which Vizada currently has ESV authorization. Sea Tel states that the Reflector, Feed, OMT, BUC, LNB, waveguides, rotary joint and power supplies are all identical between the various models of the 4006, 4009 and 4010. Likewise, the Reflector, Feed, OMT, BUC, LNB, waveguides, rotary joint and power supplies are all identical between the various models of the 6006 and 6009 and between the 5009 and 5010. As with the other antennas currently authorized for ESV service, operation of the Sea Tel model 4009/4010, 5010 and 6009 antennas and the Intellian model V110 antennas will be in full compliance with the requirements of the Commission's ESV regulations as set forth in part 25 of the Rules.

Vizada's Showing of Compliance with Part 25 of the Commission's Rules follows herewith and the exhibits required by Section 25.222 are included as attachments to the modification application.

### **Showing of Compliance with Part 25 of the Commission's Rules**

#### **Section 25.222**

- (a) (1) Comply. See Blaney and Varan declarations and Exhibits 2, 3 and 4 for the model 4003/4006/4009/4010 antenna; Exhibits 5, 6 and 7 for the model 5009/5010 antenna; and Exhibits 8, 9 and 10 for the model 6006/6009 antenna. See Intellian and Varan declarations and Exhibits 11, 12 and 13 for the model

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- V110 antenna. The transmitters have off-axis EIRP spectral densities less than or equal to the levels in paragraph 25.222(a)(1)(i)(A) and meet the requirements of 25.222 (a)(1)(i)(A-C) with an N value of 1. All are circular ESV antennas so 25.222 (a)(1)(i)(D) is not applicable. Exhibits 2, 3 and 4 for the model 4003/4006/4009/4010 antenna; Exhibits 5, 6 and 7 for the model 5009/5010 antenna; Exhibits 8, 9 and 10 for the model 6006/6009 antenna; and Exhibits 11, 12 and 13 for the model V110 antenna provide the detailed demonstration described in paragraph 25.222 (b)(1). The Blaney and Intellian declarations also contains certifications that the antennas comply with the pointing requirement in paragraph 25.222 (a)(1)(ii)(A) and the cessation of emission requirement in paragraph 25.222 (a)(1)(iii)(A).
- (a) (2) Not Applicable.
- (a) (3) Comply. The Vizada Security Officer has authority and ability to cease all emissions from ESVs through the facilities of Vizada's Santa Paula Teleport. This point of contact is available 24 hours a day, seven days a week by calling +1-301-838-7700.
- (a) (4) Comply. These records are being collected and maintained as specified. Requests to make this data available may be directed to the Vizada Security Officer by calling +1-301-838-7700.
- (a) (5) Comply.
- (a) (6) Comply. The ESVs are controlled by the Hub earth station located at Vizada's Santa Paula Teleport.
- (a) (7) Comply.
- (b) (1) Comply. The tables described in 25.222(b)(1)(i) are attached with the application as Exhibits 2, 3 and 4 for the model 4003/4006/4009/4010 antenna; Exhibits 5, 6 and 7 for the model 5009/5010 antenna; Exhibits 8, 9 and 10 for the model 6006/6009 antenna; and Exhibits 11, 12 and 13 for the model V110 antenna. Exhibits 2, 5, 8 and 11 provide the detailed demonstration described in paragraph 25.222(b)(1)(i)(A). Exhibits 3, 6, 9 and 12 provide the detailed demonstration described in paragraph 25.222(b)(1)(i)(B). Exhibits 4, 7, 10 and 13 provide the detailed demonstration described in paragraph 25.222(b)(1)(i)(C). The value N described in 25.222(a)(1)(i)(A) is 1. The certifications from the equipment manufacturer stating that the tracking system meets the pointing and cessation of emission requirements of 25.222(b)(1)(iii) are contained in the Blaney and Intellian declarations.
- (b) (2) Not Applicable.
- (b) (3) Comply. See Exhibit 14.

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(b) (4) Comply. The Vizada Security Officer has authority and ability to cease all emissions from ESVs through the facilities of Vizada's Santa Paula Teleport. This point of contact is available 24 hours a day, seven days a week by calling +1-301-838-7700.

(b) (5) Comply. See the Radiation Hazard Report Exhibits.

(c) Comply. Please see the separate attachment named "25.222 (c)&(d) Exh" for details as to how Vizada complies with the 25.222 (c) requirement for coordination with NTIA/IRAC prior to operation on specified frequencies in specified areas near protected NASA and NSF facilities.

(d) Comply. Please see the separate attachment named "25.222 (c)&(d) Exh" for details as to how Vizada complies with the 25.222 (d) requirement for coordination with NTIA/IRAC prior to operation on specified frequencies in specified areas near protected NASA and NSF facilities.