

**C-Band Earth Station Certification**

<b>Call Sign</b>	<b>File Number</b>	<b>Applicant/Registrant Name</b>
E7159	SES-MOD-20160606-00482 <sup>1</sup>	Greater Washington Educational Telecommunications Association, Inc.

The undersigned, individually and for the applicant, licensee, or registrant, hereby certifies that all information reflected in his or her licenses or registrations in IBFS, including any attached exhibits, are true, complete and correct to the best of his or her knowledge and belief, and have been made in good faith.



Name: *LISA LINDSTROM DELANEY*  
Title: *SVP and GENERAL COUNSEL*  
Date: *APRIL 30, 2019*

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<sup>1</sup> Note: Renewal application SES-RWL-20190319-00379 pending.



**UNITED STATES OF AMERICA**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**RADIO STATION AUTHORIZATION**  
*Current Authorization : FCC WEB Reproduction*  
 Unofficial Copy

**Name:** GREATER WASHINGTON EDUCATIONAL TELECOMMUNICATIONS ASSOCIATION, INC.      **Call Sign:** E7159  
**File Number:** SES-MOD-20160606-00482

**Authorization Type:** Modification of License  
**Non Common Carrier**      **Grant Date:** 07/20/2016      **Expiration Date:** 05/18/2019

**Nature of Service:** Fixed Satellite Service

**Class of Station:** Fixed Earth Stations

**A) Site Location(s)**

# Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1) 1	3939 CAMPBELL AVE. ARLINGTON, ARLINGTON, VA, 22206	38° 50' 27.8" N	77° 5' 11.1" W	20.4	83	

Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning Tuesday, May 18, 2004 (3 AM Eastern Standard Time) and ending Saturday, May 18, 2019 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is Tuesday, December 06, 2016 (3 AM Eastern Standard Time). Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

**B) Particulars of Operations**

The General Provision 1010 applies to all receiving frequency bands.  
 The General Provision 1900 applies to all transmitting frequency bands.  
 For the text of these provisions, refer to Section H.

# Frequency	Polarization	Emission	Tx/Rx Mode	Max EIRP /Carrier	Max EIRP Density	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1) 3700.0000 - 4200.0000	H,V	30K0F1D	R			1		Digital Audio Carrier
2) 3700.0000 - 4200.0000	H,V	10M3G7W	R			1		Digital Audio Carrier

**C) Frequency Coordination**

#	Frequency Limits(MHz)	Satellite Arc (Deg. Long.) East West Limit Limit	Elevation (Degrees) East West Limit Limit	Azimuth (Degrees) East West Limit Limit	Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
1)	3700.0000 - 4200.0000	60.0W-143.0W	41.6 - 10.0	153.9 - 254.3	0.0	1

**D) Point of Communications**

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 1 to Permitted Space Station List

**E) Antenna Facilities**

Site ID	Antenna ID	Units	Diameter (Meters)	Manufacturer	Model Number	Site Elevation	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1	1	3.8	Comtech	3.8 METER	20.38	28.8 AGL/ 49.2 AMSL	

Max Gains(s):42.9 dBi @ 3.9500 GHz

Maximum total input power at antenna flange (Watts) = 0.0



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**G) Antenna Structure marking and lighting requirements:**

None unless otherwise specified under Special and General Provisions

**H) Special and General Provisions**

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 2200 These facilities shall be used for the reception of only such programming material that the grantee has been authorized to receive and use by the owner of the programming material.
- 2456 No protection beyond that afforded in "Deregulation of Domestic Receive-Only Satellite Earth Stations" will be provided for TVRO earth stations. Due to 2 degree orbital spacing, "the potential levels of interference caused by satellite transmissions are already defined and the actual level of any protection desired by an applicant from intersatellite interference for small receiving earth station antennas will be achieved by the choice of receiving antenna performance selected by parties installing new receive-only earth stations." FCC 86-133 36552.
- 2464 The grantee is authorized to add, delete or change channels of program material without further application or notification to the Commission, provided: (a)The carriage of such program material is an authorized pursuant to the Commission's rules, regulations and policies governing the terrestrial system (s) used to distribute this material to the end subscribers, and (b) that such earth station operations are consistent with the technical parameters specified in the registration.
- 2465 Operation of this receive-only earth station shall be in accordance with the frequency coordination exhibit completed for this station.
- 5216 All operations shall be on a non-common carrier basis.



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### H) Special and General Provisions

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act, 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct by the required date was due to factors not under control of the grantee.

**Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulates is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993". These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.**