



(REFERENCE COPY - Not for submission)

## License To Cover for DTS Application

File Number: **0000055361** | Submit Date: **06/21/2018** | Call Sign: **WVPY** | Facility ID: **66378** | FRN: **0006692347** | State: **Virginia** | City: **FRONT ROYAL**  
Service: **DTS** | Purpose: **License To Cover 0000052522** | Status: **Granted** | Status Date: **06/22/2018** | Expiration Date: **10/01/2020** | Filing Status: **Active**

### General Information

Section	Question	Response
Attachments	Are attachments (other than associated schedules) being filed with this application?	No

### Fees, Waivers, and Exemptions

Section	Question	Response
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	
	Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station?	No

**Applicant  
Information**

**Applicant Name, Type, and Contact Information**

<b>Applicant</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Applicant Type</b>
<b>COMMONWEALTH PUBLIC BROADCASTING CORPORATION</b> Doing Business As: COMMONWEALTH PUBLIC BROADCASTING CORPORATION	23 SESAME STREET RICHMOND, VA 23235 United States	+1 (804) 320-1301	cmonk@ideastations. org	Limited Liability Company

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**Authorization Holder Name**

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

**Contact  
Representatives  
(1)**

Contact Name	Address	Phone	Email	Contact Type
<b>Ari Meltzer</b> Wiley Rein LLP	1776 K Street, NW Washington, DC 20006 United States	+1 (202) 719-7467	ameltzer@wileyrein.com	Legal Representative

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## Alien Ownership

Question	Response
1) Is the applicant a foreign government or the representative of any foreign government as specified in Section 310(a) of the Communications Act?	No
2) Is the applicant an alien or the representative of an alien? (Section 310(b)(1))	No
3) Is the applicant a corporation, or non-corporate entity, that is organized under the laws of any foreign government? (Section 310(b)(2))	No
4) Is the applicant an entity of which more than one-fifth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any entity organized under the laws of a foreign country? (Section 310(b)(3))	No
5) Is the applicant directly or indirectly controlled by any other entity of which more than one-fourth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any entity organized under the laws of a foreign country? (Section 310(b)(4))	No
6) Has the applicant received a declaratory ruling(s) under Section 310(b)(4) of the Communications Act?	
6a) Enter the citation of the applicable declaratory ruling by DA/FCC number, FCC Record citation, release date, or any other identifying information.	
7) Has there been any change in the applicant's foreign ownership since issuance of the declaratory ruling(s) cited in response to Question 6?	
7a) Enter the File or Docket Number of the Petition for Declaratory Ruling that the applicant has filed for its foreign ownership in connection with this application pursuant to Section 310(b)(4) of the Communications Act. It is not necessary to file a request for a foreign ownership declaratory ruling if the applicant attaches a showing that the requested authorization(s) is exempt from the provisions of Section 310(b)(4).	
8) Does the applicant certify that it is in compliance with the terms and conditions of the foreign ownership declaratory ruling(s) cited in response to Question 6?	
9) In connection with this application, is the applicant filing a foreign ownership Petition for Declaratory Ruling pursuant to Section 310(b)(4) of the Communications Act?	

## Basic Qualifying Questions

Section	Question	Response
<b>Revoked Application</b>	Has the Applicant or any party to this application had any FCC station Authorization revoked or had any application for an initial, modification or renewal of FCC station Authorization denied by the Commission?	No
<b>State or Federal Convictions</b>	Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court?	No

**Channel Sharing**

Section	Question	Response												
<p><b>Channel Sharing</b></p>	<p>Is this filing to implement a Channel Sharing Agreement?</p>	<p>Yes</p>												
	<p>Is the channel sharing agreement consistent with all Commission rules and policies including those set forth in 47 C.F.R. § 73.3700?</p>	<p>Yes</p>												
<p><b>Enter the Facility ID of the station to be shared:</b></p>	<table border="1"> <thead> <tr> <th data-bbox="871 449 1012 565">Facility ID</th> <th data-bbox="1018 449 1549 565">Call Sign</th> <th data-bbox="1556 449 1675 565">Service</th> <th data-bbox="1682 449 1850 565">City</th> <th data-bbox="1856 449 1957 565">State</th> </tr> </thead> <tbody> <tr> <td data-bbox="871 573 1012 643">60111</td> <td data-bbox="1018 573 1549 643">WVPT</td> <td data-bbox="1556 573 1675 643">DTS</td> <td data-bbox="1682 573 1850 643">STAUNTON</td> <td data-bbox="1856 573 1957 643">VA</td> </tr> </tbody> </table>				Facility ID	Call Sign	Service	City	State	60111	WVPT	DTS	STAUNTON	VA
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60111	WVPT	DTS	STAUNTON	VA										
<p><b>Input the Facility ID of station(s) listed in the CSA:</b></p>	<table border="1"> <thead> <tr> <th data-bbox="871 709 1012 790">Facility ID</th> <th data-bbox="1018 709 1549 790">Call Sign</th> <th data-bbox="1556 709 1675 790">Service</th> <th data-bbox="1682 709 1850 790">City</th> <th data-bbox="1856 709 1957 790">State</th> </tr> </thead> <tbody> <tr> <td data-bbox="871 798 1012 868">66378</td> <td data-bbox="1018 798 1549 868">WVPY</td> <td data-bbox="1556 798 1675 868">DTV</td> <td data-bbox="1682 798 1850 868">FRONT ROYAL</td> <td data-bbox="1856 798 1957 868">VA</td> </tr> </tbody> </table>				Facility ID	Call Sign	Service	City	State	66378	WVPY	DTV	FRONT ROYAL	VA
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**Channel and Facility Information**

Section	Question	Response
<b>Proposed Community of License</b>	Facility ID	66378
	State	Virginia
	City	FRONT ROYAL
	DTS Channel	11
	Designated Market Area	WASHINGTON DC (HAGRSTWN)
<b>Facility Type</b>	Facility Type	Noncommercial Educational
	Station Type	Main
<b>Zone</b>	Zone	1

**DTS Reference Point**

Section	Question	Response
<b>Construction Permit File Number and Facility ID</b>	File Number for Current Authorized Service Area:	BLEDT-20140714AAV
	Facility ID	66378
<b>Coordinates (NAD83)</b>	Latitude	38° 09' 54.4" N+
	Longitude	079° 18' 50.1" W-

**Site 1: Antenna  
Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
<b>Coordinates (NAD83)</b>	Latitude	38° 09' 54.4" N+
	Longitude	079° 18' 50.1" W-
	Structure Type	UTOWER-Unguyed - Free Standing Tower
	Overall Structure Height	12 meters
	Support Structure Height	12 meters
	Ground Elevation (AMSL)	1323 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	10 meters
	Height of Radiation Center Above Average Terrain	689 meters
	Height of Radiation Center Above Mean Sea Level	1333 meters
	Effective Radiated Power	10 kW

**Site 1: Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	108799
<b>Antenna Manufacturer and Model</b>	Manufacturer:	MCI
	Model	SERIES 953422
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<b>DTV and DTS: Elevation Pattern</b>	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	Rotation	0 degrees
	Uploaded file for elevation antenna (or radiation) pattern data	

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)
0	0.03	90	0.84	180	0.72	270	0.07
10	0.01	100	0.9	190	0.89	280	0.02
20	0.04	110	0.82	200	0.9	290	0.02
30	0.01	120	0.73	210	0.84	300	0.03
40	0.19	130	0.68	220	0.79	310	0.03
50	0.32	140	0.88	230	0.73	320	0.02
60	0.46	150	1	240	0.42	330	0.02
70	0.61	160	0.87	250	0.28	340	0.02
80	0.75	170	0.7	260	0.18	350	0.03

**Additional Azimuths**

Degree	V <sub>A</sub>
195	0.91
173	0.695
149	1
127	0.67
115	0.8



**Site 1: Operating Constants**

Section	Question	Response
Transmitter and Transmission Line	Transmitter Power Output (TPO): <i>(average power at input to transmission line, after any filter attached to the transmitter, if used)</i>	1.40 dBk 1.38 kW
	Transmission Line Loss (LL):	0.30 dB
	Antenna Input Power (AIP):	1.1 dBk
	Max. Antenna Power Gain (AG)	8.9 dB
	Effective Radiated Power (ERP) <i>(Average Power)</i>	10.00 dBk 10 kW

**Site 2: Antenna Location Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1018222
Coordinates (NAD83)	Latitude	37° 59' 00.0" N+
	Longitude	078° 29' 01.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	90.5 meters
	Support Structure Height	81.7 meters
	Ground Elevation (AMSL)	427.1 meters
Antenna Data	Height of Radiation Center Above Ground Level	68 meters
	Height of Radiation Center Above Average Terrain	333 meters
	Height of Radiation Center Above Mean Sea Level	495.1 meters
	Effective Radiated Power	0.1 kW

**Site 2: Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	108800
<b>Antenna Manufacturer and Model</b>	Manufacturer:	SCA
	Model	DRV-1
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<b>DTV and DTS: Elevation Pattern</b>	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	Rotation	0 degrees
	Uploaded file for elevation antenna (or radiation) pattern data	

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)
0	1	90	0.028	180	0.056	270	0.028
10	0.973	100	0.04	190	0.053	280	0.108
20	0.888	110	0.091	200	0.06	290	0.208
30	0.764	120	0.12	210	0.087	300	0.325
40	0.616	130	0.129	220	0.115	310	0.465
50	0.465	140	0.115	230	0.129	320	0.617
60	0.325	150	0.087	240	0.12	330	0.764
70	0.208	160	0.06	250	0.091	340	0.888
80	0.108	170	0.053	260	0.04	350	0.973

**Additional Azimuths**

Degree	V <sub>A</sub>
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**Site 2: Operating Constants**

Section	Question	Response
Transmitter and Transmission Line	Transmitter Power Output (TPO): <i>(average power at input to transmission line, after any filter attached to the transmitter, if used)</i>	-15.53 dBk 0.028 kW
	Transmission Line Loss (LL):	1.45 dB
	Antenna Input Power (AIP):	-16.98 dBk
	Max. Antenna Power Gain (AG)	6.98 dB
	Effective Radiated Power (ERP) <i>(Average Power)</i>	-10.00 dBk 0.1 kW

**Site 3: Antenna Location Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
Coordinates (NAD83)	Latitude	38° 20' 39.4" N+
	Longitude	079° 35' 46.1" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	46 meters
	Support Structure Height	46 meters
	Ground Elevation (AMSL)	1295 meters
Antenna Data	Height of Radiation Center Above Ground Level	43 meters
	Height of Radiation Center Above Average Terrain	470 meters
	Height of Radiation Center Above Mean Sea Level	1338 meters
	Effective Radiated Power	0.008 kW

**Site 3: Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	108801
<b>Antenna Manufacturer and Model</b>	Manufacturer:	SCA
	Model	CL-713
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
<b>DTV and DTS: Elevation Pattern</b>	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	Rotation	0 degrees
	Uploaded file for elevation antenna (or radiation) pattern data	

**Directional Antenna Relative Field Values (Pre-rotated Pattern)**

Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)	Degree	V <sub>A</sub> (Authorized Value)
0	0.974	90	0.01	180	0.01	270	0.01
10	0.879	100	0.01	190	0.01	280	0.01
20	0.717	110	0.01	200	0.01	290	0.01
30	0.491	120	0.01	210	0.01	300	0.048
40	0.224	130	0.01	220	0.01	310	0.224
50	0.048	140	0.01	230	0.01	320	0.491
60	0.01	150	0.01	240	0.01	330	0.717
70	0.01	160	0.01	250	0.01	340	0.879
80	0.01	170	0.01	260	0.01	350	0.974

**Additional Azimuths**

Degree	V <sub>A</sub>
355	1

**Site 3: Operating Constants**

Section	Question	Response
Transmitter and Transmission Line	Transmitter Power Output (TPO): <i>(average power at input to transmission line, after any filter attached to the transmitter, if used)</i>	-30.00 dBk 0.001 kW
	Transmission Line Loss (LL):	0.85 dB
	Antenna Input Power (AIP):	-30.85 dBk
	Max. Antenna Power Gain (AG)	9.88 dB
	Effective Radiated Power (ERP) <i>(Average Power)</i>	-20.97 dBk 0.008 kW

**Parties to the  
Application (0)**

Information not provided.

**Attributable Interest**

Section	Question	Response
<b>Equity and Financial Interests</b>	Applicant certifies that equity and financial interests not set forth by the applicant parties are non-attributable.	
<b>Other Authorizations</b>	Does the applicant or any party to the application have an attributable interest in any other broadcast station(s).	

**License  
Certifications**

Section	Question	Response
<b>Main Studio Location</b>	The main studio location complies with 47 C.F.R. Section 73.1125.	Yes
	Country	US
	PO Box	
	Address Line 1	23 Sesame Street
	Address Line 2	
	City	Richmond
	State	VA
	Zip Code	23235
	Phone	
<b>Constructed Facility</b>	The facility constructed as authorized in the underlying construction permit.	Yes
<b>Special Operating Conditions</b>	The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit. <b>An exhibit may be required.</b> Review the underlying construction permit.	Yes
<b>Transmitter</b>	The transmitter complies with 47 C.F.R. Section 73.1660.	Yes
<b>Changing Transmitter Power Output</b>	Is this application being filed to authorize a change in transmitter power output caused by the replacement of an omnidirectional antenna with another omnidirectional antenna or an alteration of the transmission line system? See 47 C.F.R. Sections 73.1690(c)(1) and (c)(10).	No
<b>Replacing a Directional Antenna</b>	Is this application being filed pursuant to 47 C.F.R. Section 73.1690(c)(3) to replace a directional antenna with another directional antenna?	No
	The proposed theoretical antenna pattern complies with 47 C.F.R. Section 73.1690(c)(3).	
<b>Use a formerly licensed main facility as an auxiliary facility</b>	Is this application being filed pursuant to 47 C.F.R. Section 73.1675(c)(1) to request authorization to use a formerly licensed main facility as an auxiliary facility and/or change the ERP of the proposed auxiliary facility?	No
	The proposed auxiliary facility complies with 47 C.F.R. Section 73.1675(a).	
	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See Section 1.1306 of 47 C.F.R.).	



**Legal  
Certifications**

<b>Section</b>	<b>Question</b>	<b>Response</b>
<b>Obligations</b>	Licensee/Permittee certifies that all terms, conditions, and obligations set forth in the underlying construction permit have been fully met.	Yes
	Licensee/Permittee certifies that, apart from changes already reported, no cause or circumstance has arisen since the grant of the underlying construction permit which would result in any statement or representation contained in the construction permit application to be now incorrect.	Yes
<b>Character Issues</b>	Applicant certifies that neither applicant nor any party to the application has or had any interest in, or connection with:  (a) any broadcast application in any proceeding where character issues were left in unresolved or were resolved adversely against the applicant or party to the application; or  (b) any pending broadcast application in which character issues have been raised.	Yes
<b>Adverse Findings</b>	Has the Applicant or any party to this application had an adverse finding or an adverse final action taken by any court or administrative body in a civil or criminal proceeding brought under any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?	No

**Certification**

Section	Question	Response
<p><b>General Certification Statements</b></p>	<p>The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).</p>	
	<p>The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.</p>	
<p><b>Authorized Party to Sign</b></p>	<p><b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</b></p> <p>Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application.</p> <p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	<p>Yes</p>
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>A Curtis Monk</b> <i>President and CEO</i></p> <p>06/21/2018</p>

## Attachments

Information not provided.