



(REFERENCE COPY - Not for submission)

## Modification of a License for DTV Application

File Number: **0000125983** | Submit Date: **11/13/2020** | Call Sign: **WWJ-TV** | Facility ID: **72123** | FRN: **0003482189** | State: **Michigan** | City: **DETROIT**

Service: **DTV** | Purpose: **Modification to License (Next Gen) 0000108051** | Status: **Granted** | Status Date: **11/20/2020**  
 Expiration Date: **10/01/2021** | Filing Status: **Active**

### General Information

Section	Question	Response
<b>Attachments</b>	Are attachments (other than associated schedules) being filed with this application?	Yes

### Fees, Waivers, and Exemptions

Section	Question	Response
<b>Fees</b>	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
	Is the applicant exempt from FCC regulatory Fees?	No
<b>Waivers</b>	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

Application Type	Fee Code	Fee Amount
Modification to License (Next Gen)	MJT	\$335.00
	<b>Total</b>	<b>\$335.00</b>

**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>CBS BROADCASTING INC.</b> Doing Business As: CBS BROADCASTING INC.	Daniel G. Ryson 2020 M. St., NW - Licensing DEPT Washington, DC 20036 United States	+1 (202) 457- 4505	dryson@cbs. com	Corporation

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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  
(2)**

Contact Name	Address	Phone	Email	Contact Type
<b>Joseph M. Davis , P.E. .</b> <i>Consulting Engineer</i> Chesapeake RF Consultants, LLC	207 Old Dominion Road Yorktown, VA 23692 United States	+1 (703) 650- 9600	Joseph.Davis@RF- consultants.com	Technical Representative
<b>Daniel G. Ryson</b> <i>Director Spectrum Management</i> ViacomCBS	Daniel G. Ryson 2020 M. St., NW - Licensing DEPT Washington, DC 20036 United States	+1 (202) 457- 4074	dryson@cbs.com	Technical Representative

## 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?	No
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?	No

## 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

**Next Gen  
Information**

Applicant station's Current ATSC 3.0 host:

Facility ID	Call Sign	Community of License	Channel	Designated Market Area (DMA)
74211	WMYD	DETROIT , MI	31	Detroit

Section	Question	Response
<b>Coverage Requirements for ATSC 1.0 Simulcast Signal</b>	Is the applicant station's ATSC 3.0 host station assigned to the same DMA as required by 47 CFR Section 73.3801(d)?	Yes
<b>Simulcasting Requirement and Agreement</b>	The applicant has authority from the ATSC 3.0 host station to file this application.	Yes
	The applicant has entered into a local simulcast agreement with the ATSC 3.0 host station that complies with the requirements of 47 CFR Section 73.3801(e).	Yes
	Following commencement of ATSC 3.0 guest service, the applicant station will comply with the local simulcasting programming ("substantially similar") requirements under 47 CFR Section 73.3801(b)(1-2).	Yes
<b>Commencement of Operations Date</b>	Provide date the applicant intends/estimates it will commence ATSC 3.0 guest service on its new ATSC 3.0 host station.	12/07/2020
<b>Discontinuation of Operations Date</b>	Provide date the applicant intends/estimates it will cease ATSC 3.0 guest service on its current ATSC 3.0 host station.	12/07/2024

**Channel and Facility Information**

Section	Question	Response
<b>Proposed Community of License</b>	Facility ID	72123
	State	Michigan
	City	DETROIT
	DTV Channel	21
	Designated Market Area	Detroit
<b>Facility Type</b>	Facility Type	Commercial
	Station Type	Main
<b>Zone</b>	Zone	1

**Antenna Location Data**

Section	Question	Response
<b>Antenna Structure Registration</b>	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1003429
<b>Coordinates (NAD83)</b>	Latitude	42° 26' 52.5" N+
	Longitude	083° 10' 23.1" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	331.3 meters
	Support Structure Height	308.5 meters
	Ground Elevation (AMSL)	201.8 meters
<b>Antenna Data</b>	Height of Radiation Center Above Ground Level	324.4 meters
	Height of Radiation Center Above Average Terrain	326.7 meters
	Height of Radiation Center Above Mean Sea Level	526.2 meters

**Antenna  
Technical Data**

Section	Question	Response
<b>Antenna Type</b>	Antenna Type	Non-Directional
	Do you have an Antenna ID?	
	Antenna ID	1002429
<b>Antenna Manufacturer and Model</b>	Manufacturer:	DIE
	Model	TFU-17ETT/VP-R O4
	Rotation	
	Electrical Beam Tilt	1.0
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
<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?	No
	Uploaded file for elevation antenna (or radiation) pattern data	

**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>	16.02 dBk 39.99 kW
	Transmission Line Loss (LL):	1.45 dB
	Antenna Input Power (AIP):	14.57 dBk
	Max. Antenna Power Gain (AG)	11.23 dB
	Effective Radiated Power (ERP) <i>(Average Power)</i>	25.80 dBk 380 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.	Yes
<b>Other Authorizations</b>	Does the applicant or any party to the application have an attributable interest in any other broadcast station(s).	N/A

**Next Gen  
Certifications**

Section	Question	Response
<b>Commencement of Service Certification</b>	Certify that the applicant understands it is not permitted to commence ATSC 3.0 guest service on its new ATSC 3.0 host station until the instant application is granted. Upon grant of the instant application, the applicant has 180 days to commence the ATSC 3.0 guest service authorized under the applicant station's modified license.	Yes
<b>General Certification</b>	Certify that the applicant will comply with all FCC technical and programming rules that apply to the applicant station's ATSC 3.0 guest service.	Yes
	Certify that the applicant understands that grant of this application does not modify any technical parameters of its currently licensed ATSC 1.0 station.	Yes

**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	26905 W. 11 Mile Rd.
	Address Line 2	
	City	Southfield
	State	MI
	Zip Code	48003
	Phone	+1 (248) 355-7000
<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 47 C.F.R. Section 1.1306)	

**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>If a "shared" facility, you certify that all "sharees" have agreed to the filing of this application and the changes that are proposed within.</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>Andrew J Siegel</b> <i>Assistant Secretary</i></p> <p>11/13/2020</p>

## Attachments

File Name	Uploaded By	Attachment Type	Description
<a href="#">Next Gen Multicast Statement.pdf</a>	Applicant	Next Gen Certifications	Next Gen TV Multicast Statement