



(REFERENCE COPY - Not for submission)

New Digital Replacement Translator Construction Permit Application

File Number: **0000054907** | Submit Date: **06/01/2018** | Call Sign: **WSIU-TV** | Facility ID: **4297** | FRN: **0005941323** | State: **Illinois** | City: **CARBONDALE**
Service: **DRT** | Purpose: **Construction Permit** | Status: **Pending** | Status Date: **06/01/2018** | Filing Status: **Active**

General Information

| Section | Question | Response |
|--------------------|--|----------|
| Attachments | Are attachments (other than associated schedules) being filed with this application? | Yes |

Fees, Waivers, and Exemptions

| Section | Question | Response |
|----------------|--|--|
| Fees | Is the applicant exempt from FCC application Fees? | Yes |
| | Indicate reason for fee exemption: | Governmental entity and noncommercial educational licensee |
| | Is the applicant exempt from FCC regulatory Fees? | Yes |
| Waivers | Does this filing request a waiver of the Commission's rule(s)? | Yes |
| | Total number of rule sections involved in this waiver request: | 1 |

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|--|--|--------------------------|---------------------------------|-----------------------|
| BOARD OF TRUSTEES OF SOUTHERN ILLINOIS UNIVERSITY Doing Business As: BOARD OF TRUSTEES OF SOUTHERN ILLINOIS UNIVERSITY | Board of Trustees Southern Illinois University 1003 COMMUNICATIONS BUILDING MAILCODE 6602 CARBONDALE, IL 62901 United States | +1 (618) 453- 6181 | greg. petrowich@WSIU. ORG | Government Entity |

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 |
|---|--|-----------------------|---------------------------------|-----------------------------|
| Greg Best <i>Consulting Engineer</i> Greg Best Consulting Inc | 16100 Outlook Avenue Stilwell, KS 66085 United States | +1 (816) 792- 2913 | gbconsulting54@gmail. com | Technical Representative |
| Margaret L. Miller Gray Miller Persh LLP | 1200 New Hampshire Avenue, NW Suite 410 Washington, DC 20036 United States | +1 (202) 776- 2914 | mmiller@graymillerpersh. com | Legal 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? | |
| 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 |
|-------------------------------------|--|----------|
| Revoked Application | 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 |
| State or Federal Convictions | 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 and Facility Information

| Section | Question | Response |
|-------------------------------|-------------|------------|
| Proposed Community of License | Facility ID | 4297 |
| | State | Illinois |
| | City | CARBONDALE |
| | DRT Channel | 28 |

Antenna Location Data

| Section | Question | Response |
|--------------------------------|---|---------------------------------------|
| Antenna Structure Registration | Do you have an FCC Antenna Structure Registration (ASR) Number? | Yes |
| | ASR Number | 1006882 |
| Coordinates (NAD83) | Latitude | 37° 24' 17.0" N+ |
| | Longitude | 089° 34' 06.0" W- |
| | Structure Type | TOWER-A free standing or guyed struct |
| | Overall Structure Height | 153.4 meters |
| | Support Structure Height | 152.4 meters |
| | Ground Elevation (AMSL) | 213.4 meters |
| Antenna Data | Height of Radiation Center Above Ground Level | 129.5 meters |
| | Height of Radiation Center Above Mean Sea Level | 342.9 meters |
| | Effective Radiated Power | 5 kW |

**Antenna
Technical Data**

| Section | Question | Response |
|---------------------------------------|---|--------------------|
| Antenna Type | Antenna Type | Directional Custom |
| | Do you have an Antenna ID? | Yes |
| | Antenna ID | 16648 |
| Antenna Manufacturer and Model | Manufacturer: | AND |
| | Model | ALP16WR |
| | Rotation | 25 degrees |
| | Electrical Beam Tilt | Not Applicable |
| | Mechanical Beam Tilt | Not Applicable |
| | toward azimuth | |
| | Polarization | Elliptical |
| Elevation Radiation Pattern | 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 | |
| | Out-of-Channel Emission Mask: | Stringent |

Directional Antenna Relative Field Values (Pre-rotated Pattern)

| Degree | V _A (Authorized Value) | Degree | V _A (Authorized Value) | Degree | V _A (Authorized Value) | Degree | V _A (Authorized Value) |
|--------|-----------------------------------|--------|-----------------------------------|--------|-----------------------------------|--------|-----------------------------------|
| 0 | 0.95 | 90 | 0.87 | 180 | 0.111 | 270 | 0.87 |
| 10 | 0.944 | 100 | 0.785 | 190 | 0.112 | 280 | 0.942 |
| 20 | 0.934 | 110 | 0.697 | 200 | 0.148 | 290 | 0.988 |
| 30 | 0.94 | 120 | 0.612 | 210 | 0.272 | 300 | 1 |
| 40 | 0.961 | 130 | 0.521 | 220 | 0.412 | 310 | 0.986 |
| 50 | 0.986 | 140 | 0.412 | 230 | 0.521 | 320 | 0.961 |
| 60 | 1 | 150 | 0.272 | 240 | 0.612 | 330 | 0.94 |
| 70 | 0.988 | 160 | 0.148 | 250 | 0.697 | 340 | 0.934 |
| 80 | 0.942 | 170 | 0.112 | 260 | 0.785 | 350 | 0.944 |

Additional Azimuths

| Degree | V _A |
|--------|----------------|
|--------|----------------|

Parties to the Application (1)

| Party Name | Address | Phone | Email | Positional Interest |
|--|--|----------------------|---------------------------------|---|
| Board of Trustees Southern Illinois University Board of Trustees of Southern Illinois University | 1003 Communications Building, Mailcode 6602 Carbondale, IL 62901 United States | +1 (618) 536-3357 | greg. petrowich@wsiu. org | Positional Interest: Applicant Citizenship: United States Percentage of Votes: 0% Percentage of Total Assets: 0% |

Attributable Interest

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

**Construction
Permit
Certifications**

| Section | Question | Response |
|---|---|------------|
| <p>Post-Incentive Auction Expedited Processing</p> | <p>It will operate on the DTV channel for this station as established in the post-incentive auction channel reassignment public notice.</p> | |
| | <p>It will operate post-incentive auction facilities that do not expand the noise-limited service contour in any direction beyond that established by the post-incentive auction channel reassignment public notice.</p> | |
| | <p>It will operate post-incentive auction facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the post-incentive auction channel reassignment public notice.</p> | |
| | <p>The antenna structure to be used by this facility has been registered by the Commission and will not require re-registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely affect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.</p> | |
| <p>Environmental Effect</p> | <p>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.)</p> | <p>No</p> |
| <p>Broadcast Facility</p> | <p>The proposed facility complies with all of the following applicable rule sections. 47 C.F.R. Sections 74.709, 74.793 (e), 74.793(f), 74.793(g), 74.793(h)</p> | <p>Yes</p> |

**Legal
Certifications**

| Section | Question | Response |
|---|--|----------|
| Character Issues | <p>Applicant certifies that neither applicant nor any party to the application has or had any interest in, or connection with:</p> <p>(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</p> <p>(b) any pending broadcast application in which character issues have been raised.</p> | Yes |
| Adverse Findings | <p>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?</p> | No |
| Program Service Certification | <p>Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.</p> | Yes |
| Local Public Notice | <p>Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.</p> | Yes |
| Equal Employment Opportunity (EEO) | <p>If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report.</p> | N/A |
| Auction Authorization | <p>If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.</p> | N/A |
| Rebroadcast Certification | <p>(For Applicants proposing rebroadcasts that are not the licensee of the primary station) Applicant certifies that written authority has been obtained from the licensee of the station whose programs are to be retransmitted.</p> | N/A |

Certification

| Section | Question | Response |
|--|---|---|
| <p>General Certification Statements</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>Authorized Party to Sign</p> | <p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</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>Randy J. Dunn <i>President, Southern Illinois University</i></p> <p>06/01/2018</p> |

Attachments

| File Name | Uploaded By | Attachment Type | Description |
|--|-------------|------------------------------|---|
| <u>Broadcast Stations Exhibit for WSIU DTDRT Application.pdf</u> | Applicant | Attributable Interest | WSIU Attributable Interests Exhibit |
| <u>CAPE DTDRT RFR Exhibit.doc</u> | Applicant | Technical Certifications | Exhibit confirming no Environmental Assessment is required for this site. |
| <u>Contour Overlap Map.pdf</u> | Applicant | Technical Certifications | Contour overlap map. The proposed facility contours extends beyond the primary station contour by a deminimis amount due to the antenna pattern & terrain in relationship to its coverage of the area served. |
| <u>DTDRT Waiver (Final).pdf</u> | Applicant | Fees, Waivers and Exemptions | DTDRT Waiver |
| <u>tvixstudy.txt</u> | Applicant | Technical Certifications | Interference analysis that confirms that no interference is caused. Applicant will accept the incoming interference as identified in the interference analysis. |