



Script “nslconvertcsvxtab”

The script “nslconvertcsvxtab.py” allows the user to convert template-generated csv-based SignalShark transmitter tables into an xml file.

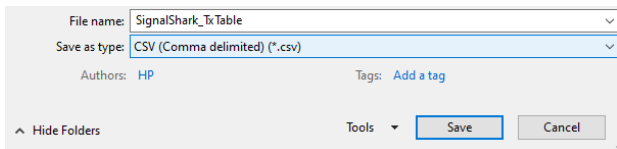
The csv-based transmitter table files to be used for this script are generated using the excel template separately provided in the file “SignalShark_TxTable_Template.xlsx”. The user is required to manually update the transmitter table information in the excel template and save it as a CSV file. When the script “nslconvertcsvxtab.py” is executed through the Narda Script Launcher Application, the user is prompted to select the CSV file containing the transmitter table information. A dialog box shows the conversion progress. A pop-up dialog appears as soon as the conversion is completed. The converted XML file is saved in the parent folder with the same name but an xml file extension.

Procedure

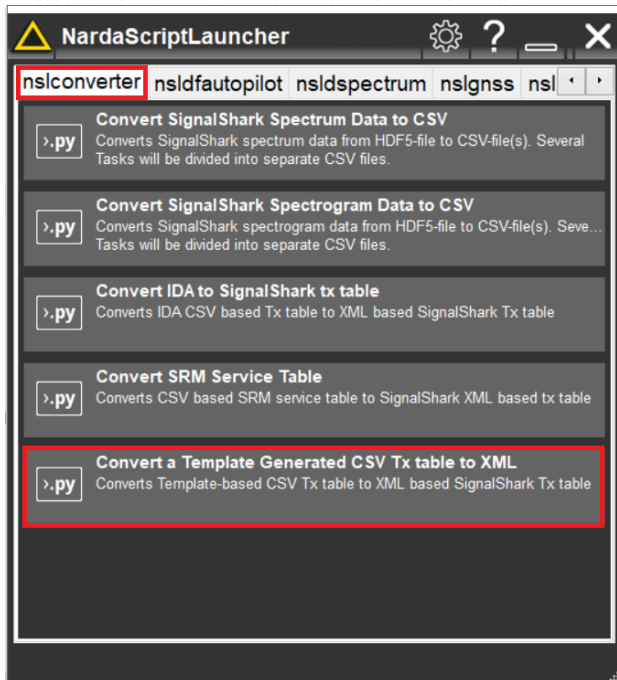
- To create SignalShark Transmitter Tables in csv, the excel template "SignalShark_TxTable_Template.xlsx" is used. The user can add a Short Name of choice and comments (if needed). The transmitter table entries can be manually added:

	A	B	C	D	E	F
1	Short Name	Table Xy				
2	Comment	This is a text comment				
3						
4						
5	Name	Fcent (MHz)	CBW (MHz)	Exp. Signal Type	Comment	Demod. Type
6						
7						
8						
9						
10						
11						

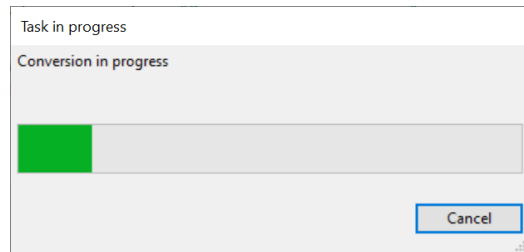
- Once the data is entered in the template file, go to "File" > "Save As" > "Browse". Then enter a file name and directory of your choice. The "Save as type:" must be selected as CSV (Comma delimited) (*.csv) as shown below:



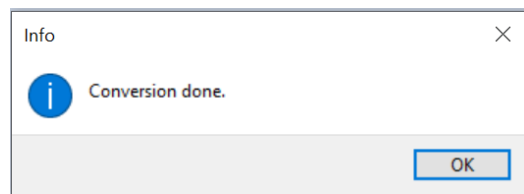
- To convert this CSV-based SignalShark transmitter table into XML format, open the Narda Script Launcher application and select the "nslconverter" tab:



- Then select the script "Convert a Template Generated CSV Tx table to XML".
- When the script is executed, the user is asked to select the (.csv) file. Enter the path to the above generated CSV file using the excel template.
- Upon file selection, the script converts all the transmitter table entries into the XML file. A progress bar appears on the screen showing the status of file conversion:



- Once the conversion is done, a pop-up dialog provides the confirmation to the user.



- The converted (.xml) file is saved in the same directory as that of the (.csv) file and it derives its name from the parent file.
- Press "Ok" to terminate the script.
- The resulting .xml file shows the data for each transmitter as separate sub-elements of the node as shown below:

```

<?xml version="1.0" encoding="UTF-16"?>
- <Narda_3300_TransmitterTable>
  - <Info>
    <ShortName size="1" type="string">Table Xy</ShortName>
    <Comment size="1" type="string">This is a text comment</
  </Info>
  - <Data>
    <SortCriterion size="1" type="ENUM_PARAM_TRANSMITTER_
    <SortOrder size="1" type="ENUM_PARAM_TRANSMITTER_TI
    <NoOfTransmitters size="1" type="ulong">18</NoOfTransmitt
  </Data>
  - <Tx0001>
    <Name size="1" type="string">Tx1</Name>
    <Fcent size="1" type="double">100.000</Fcent>
    <CBW size="1" type="double">100.000</CBW>
    <ExpectedSignalType size="1" type="string"/>
    <Comment size="1" type="string"/>
    <AnalogAudioDemodType size="1" type="ENUM_PARAM_ANA
  </Tx0001>
  - <Tx0002>
  
```

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