**Conversion Tools**

Description: The conversion tools convert data from one format to another or upgrade data template versions.

*1. Convert 2.0 to 2.1*: the first step in upgrading an existing v2.0 NG911 GIS Data Model geodatabase to the NG911 GIS Data Model v2.1 template geodatabase. This step completes the initial data migration between the two geodatabases.

*2. Populate Road AUTH\_X:* the second step in the 2.0 > 2.1 conversion process auto-populates any “Y” values in the AUTH\_L and AUTH\_R fields in the road centerline file.

*3. Populate Road GEOMSAGX*: the third step in the 2.0 > 2.1 conversion process auto-populates both the “Y” and “N” values in the GEOMSAGL and GEOMSAGR fields in the road centerline file.

*4. Populate Address RCLMATCH*: the fourth step in the 2.0 > 2.1 conversion process populates both the RCLMATCH and RCLSIDE fields in the address point file.

*5. Populate RCLMATCH NO\_MATCH*: the fifth step in the 2.0 > 2.1 conversion process populates any blank or null RCLMATCH features with “NO\_MATCH”

*6. Populate Address GEOMSAG*: the final step in the 2.0 > 2.1 conversion process populates the GEOMSAG field of the address point file.

*Add/Update Parcel Layer*: converts a county’s parcel layer to NG911 template standards and loads data into the geodatabase

*Address Points to NENA:* exports NG911 address points to NENA format

*Copy GDB to Template:* copies data from one geodatabase into an empty NG911 geodatabase template

*GDB to Shapefiles*: converts all feature classes in the NG911 dataset of a NG911 geodatabase into shapefiles and converts the road alias table to a DBF.

*Zip NG911 Geodatabase*: zips an NG911 geodatabase to prepare it for submission to DASC

Running 2.0 to 2.1 Conversion Tools:

For full documentation, please see the official conversion documentation called “Converting GDB\_2.0\_to\_2.1.docx” located in the Doc folder.

Running Add/Update Parcel Layer:

1. Open ArcCatalog and navigate to the toolbox called “Kansas NG911 GIS Tools”, expand the toolbox, then expand the toolset called “Conversion Tools.”
2. Double click the script titled “Add/Update Parcel Layer”.
3. In the “Existing Parcel Layer” parameter, add in the full path to the existing parcel feature class.
4. In the “PID Field” parameter, select the field in the parcel layer that contains the parcel ID number. It can be the 16 or 19 digit version and contain dots and dashes or be straight digits.
5. In the “County” parameter, enter the appropriate county name.
6. In the “Target NG911 Geodatabase”, select the full path of the geodatabase where you’d like to import the parcels.
7. Run the tool.

Running Address Points to NENA:

1. Open ArcCatalog and navigate to the toolbox called “Kansas NG911 GIS Tools”, expand the toolbox, then expand the toolset called “Conversion Tools.”
2. Double click the script titled “Address Points to NENA”.
3. In the “NG911 Address Points” parameter, add in the full path to the address points to be exported.
4. In the “Output NENA Address Points” parameter, enter the full path of the output NENA address points. This can be a geodatabase feature class or a shapefile.
5. Run the tool.

Running Copy GDB to Template:

1. Open ArcCatalog and navigate to the toolbox called “Kansas NG911 GIS Tools”, expand the toolbox, then expand the toolset called “Conversion Tools.”
2. Double click the script titled “Copy GDB to Template.”
3. In the “Current NG911 Geodatabase” parameter, select the geodatabase of data to be exported.
4. In the “NG911 Geodatabase Template” parameter, select the NG911 geodatabase template you want to copy data into.
5. Run the tool.

Running GDB to Shapefile:

1. Open ArcCatalog and navigate to the toolbox called “Kansas NG911 GIS Tools”, expand the toolbox, then expand the toolset called “Conversion Tools.”
2. Double click the script titled “GDB to Shapefiles.”
3. In the “Geodatabase” parameter, select the geodatabase of data to be exported.
4. In the “Output Folder” parameter, select the folder where you would like the shapefiles to be saved.
5. Run the tool.

Running Zip NG911 Geodatabase:

1. Open ArcCatalog and navigate to the toolbox called “Kansas NG911 GIS tools”, expand the toolbox, then expand the toolset called “Conversion Tools.”
2. Double click the script titled “Zip NG911 Geodatabase.”
3. In the “Geodatabase” parameter, select the geodatabase to be zipped up.
4. In the “Zip File Output” parameter, put in the filename including the zip extension of your output zip file. If the zip file already exists, the file will be overwritten.
5. Run the tool.

The conversion tools require:

* The complete NG911 toolbox setup and all scripts it includes.

Support Contact:

For issues or questions, please contact Kristen Jordan Koenig with the Kansas Data Access and Support Center. Email Kristen at [Kristen@kgs.ku.edu](mailto:Kristen@kgs.ku.edu) and please include in the email which script you were running, any error messages, and a zipped copy of your geodatabase (change the file extension from zip to piz so it gets through the email server).

Disclaimer: The Kansas NG9-1-1 GIS Toolbox is provided by the Kansas 911 Coordinating Council, Kansas GIS Policy Board’s Data Access & Support Center (DASC), and associated contributors "as is" and any express or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall the Kansas 911 Coordinating Council, DASC, or associated contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.