How to: Check Local NG911 Data

This download includes:

* This help document
* One ArcGIS toolbox called “NG911DataCheck”
* Eight Python scripts called:
  + NG911\_CheckAddressPointsLaunch
  + NG911\_CheckAdminBndLaunch
  + NG911\_CheckESBLaunch
  + NG911\_CheckRoadsLaunch
  + NG911\_CheckTemplateLaunch
  + NG911\_ClearOldResults
  + NG911\_Config
  + NG911\_DataCheck
* One folder called “Domains” that contains 19 text files of resource information

Description: These data checks cover a variety of basic verifications for the NG911 Data Model template. The data checks cover these aspects:

* Checks that necessary layers exist
* Makes sure required fields are present
* Makes sure required fields have values for all records
* Checks field values against template domains where appropriate
* Makes sure all features are inside authoritative boundary
* Geocodes addresses against the centerline
* Finds duplicate features in roads and addresses

To run the data check script:

1. Open ArcCatalog and navigate to the folder where you saved the toolbox and expand the toolbox. Use the tools in the order presented with the following guidelines.
2. In the “Geodatabase” parameter, select the geodatabase of data to be checked.
3. In the “Domain Folder” parameter, select the “Domains” folder.
4. In the “Emergency Services Boundary Layers” parameter (if shown), select ALL layers that represent emergency services (ESB, Law, Fire, etc.).
5. Check which data checks you want to run. When running each tool for the first time, we recommend choosing all options.
6. Run the tool.
7. The basic results of the data checks are shared in the ArcGIS dialog box. The detailed results of the data checks will appear in two tables that are added to your geodatabase: TemplateCheckResults & FieldValuesCheckResults. The results reported in these tables will accumulate until you run the script titled “6 Optional Clear Results Table”.
8. Based on the results of the data check, you can edit your data as necessary.
9. After data is edited, the necessary data checks can be rerun.

Support Contact:

For issues or questions, please contact Kristen Jordan with the Kansas Data Access and Support Center. Kristen prefers email to phone, so please try [Kristen@kgs.ku.edu](mailto:Kristen@kgs.ku.edu) first and only call if necessary at 785-864-2132. To speed any fixes, 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).