**Adjustment Tools**

Description: The adjustment tools will help prepare data so it passes all data checks prior to submission into the NG911 Portal.

*Fix Attributes*: Based on attribute issues that exist in FieldValuesCheckResults, this tool edits character issues in data. It fixes spelled out NULL and various special characters that cause issues with geospatial call routing.

*Fix Domain Case:* Based on domain issues that exist in FieldValuesCheckResults, this tool edits case issues in data. For example, if FieldValuesCheckResults has the error “Value Primary not in approved domain for field LOCTYPE”, any occurrences of “Primary” in LOCTYPE will be edited to “PRIMARY”.

*Fix Duplicate ESBIDs*: For counties with three ESB layers, all ESBIDs/NGESBIDs must be unique when comparing all three layers against one another. This tool creates unique ESBIDs/NGESBIDs by appending “E”, “F”, or “L” to the end of ESBIDs/NGESBIDs. Thus, if “1” is the ESBID/NGESBID in EMS, Fire, and Law, after running the tool, features will have unique ESBIDs/NGESBIDs like “1E”, “1F”, & “1L”.

*Fix KSPID*: If a county’s KSPID includes dashes or dots, this tool with automatically remove those characters so the KSPID is the required 19 digits.

*Fix MSAGCO Spaces*: This tool will remove any leading or trailing spaces in MSAGCO, MSAGCO\_L, and MSAGCO\_R fields in the Address Point and Road Centerline feature classes.

*Fix Submit*: This tool auto-fills all blank or null SUBMIT fields in all required feature classes as “Y”.

Running Fix Attributes:

1. First, run “Validation Tools” > “9 Optional Check All Required” to make sure all address field components of address points and road centerlines are examined and all issues are recorded in FieldValuesCheckResults.
2. Open “Adjustment Tools” > “Fix Attributes” and identify the parameters for the NG911 geodatabase and the folder containing domains files.
3. Run the tool.
4. Run “Validation Tools” > “9 Optional Check All Required” again. See the difference of results in FieldValuesCheckResults.

Running Fix Domain Case:

1. First, run “Validation Tools” > “9 Optional Check All Required” to make sure all domains of all feature classes are examined and all issues are recorded in FieldValuesCheckResults.
2. Open “Adjustment Tools” > “Fix Domain Case” and identify the parameters for the NG911 geodatabase and the folder containing domains files.
3. Run the tool.
4. Run “Validation Tools” > “9 Optional Check All Required” again. See the difference of results in FieldValuesCheckResults.

Running Fix Duplicate ESB IDs:

1. Open “Adjustment Tools” > “Fix Duplicate ESB IDs” and identify all the pertinent ESB layers according to the parameters.
2. Run the tool.
3. Run “Validation Tools” > “9 Optional Check All Required” again. See the difference of results in FieldValuesCheckResults.

Running Fix KSPID, Fix MSAGCO Spaces, & Fix Submit:

1. Open “Adjustment Tools” and the tool you want to run and identify your NG911 geodatabase.
2. Run the tool.
3. Run “Validation Tools” > “9 Optional Check All Required” again. See the difference of results in FieldValuesCheckResults.

The adjustment 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).

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