

GUPS

Geographic Update Partnership Software

GUPS Overview

- Stand-alone application allows users to load, edit, display geospatial data and address data
- Generates standardized output files that GEO uses to update the MAF/TIGER database
- Core GUPS functionality is Python code built on top of QGIS foundation
- Each individual program interface utilizes a unique set of Python plugins built to run within QGIS code

GUPS Overview cont.

- The GUPS is designed to make participation easy, efficient, and standardized
- Customized tools for each geographic program guide users through program participation
- GUPS does the heavy GIS lifting for participant
- Census is embracing the Open Source community
- Allows local participants without a dedicated GIS to participate and engage with the Census Bureau

GUPS Functionality

- Allows user to
 - Update legal, statistical, administrative boundaries
 - Update addresses and address lists
 - Provide legal documentation and contact information
 - Delineate geographic areas and resolve boundary differences
 - Upload and view users spatial and tabular datasets
 - View imagery, shapefiles, other GIS functionality
 - Share files or projects with others locally

GUPS Programs Supported

- Redistricting Block Boundary Suggestion Project (BBSP)
- Redistricting Voting District Project (VTD)
- Boundary and Annexation Survey (BAS)
- Local Update of Census Addresses (LUCA) Program
- School District Review Program (SDRP)
- Participant Statistical Areas Program (PSAP)
- Boundary Validation Program (BVP)
- New Construction Project (NC)
- 2020 Count Question Resolution Program (CQR)
- Traffic Analysis Zones/Traffic Analysis Districts (TAZ/TAD)
- Public Use Microdata Areas (PUMA)

GUPS

- Demo
 - BAS
 - PSAP
 - LUCA

GUPS

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