



CITY OF TAMPA

3.8.5. – Global Positioning System Technology & Innovation Department

TITLE

3.8.5.– GLOBAL POSITIONING SYSTEM

HISTORY

Status	Date	Author	Approving Manager
Version 1.0	01/08/2010	K. Wright and G. De Stoppelaire	R. Austin

DESCRIPTION

Standards are currently being defined as part of the city-wide CoT Efficiency Effectiveness Task Force (EETF) Action Item #35, GPS – Route Optimization Initiative.

The CoT GIS notes the following general requirements:

GPS data shall include Federal Geographic Data Committee (FGDC) Content Standard for Digital Geospatial Metadata (CSDGM) - compliant metadata.

GPS devices shall be procured so that they are compatible with CoT data formats. At a minimum, the GPS device must be able to export an ASCII text file or other tabular format of the coordinates collected. Information collected on the GPS unit shall be downloadable to a PC via USB or other connection.

GPS devices purchased for City use shall be compatible for use with the City's Geographic Information Systems.

This standard enables prospective users of GPS devices to procure appropriate resources to fulfill the data collection requirements. The standard will also help ensure to that data are accessible and usable within other City GIS software environments.

All data processing and data analysis shall follow the manufacturer's recommended procedures.

When integrating GPS data, it is imperative to verify the following:

- The projection and units of measure.
- The appropriate datum.

For more detailed information, [contact the GIS Supervisor \(or designee\).](#)

[Global Positioning System: Serving the World](#)



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REFERENCE

The standard described above has been developed internally by the City of Tampa.
The standard is part of the T&I Service Catalog.

[City of Tampa – T&I Service Catalog](#)