

GPS Receiver Use Case Template

1. Receiver Category (Choose Only One) – Please complete a separate template for each receiver category

Category	Applicability (Check Only One)
General Aviation (Certified avionics addressed separately by the FAA plan)	
Cellular	
General location/navigation	
High precision	
Timing	
Networks	
Space-based	

2. Information on Associated GPS Application(s):

A. Application Description:

B. **Accuracy Requirements:** Please specify the position and timing error requirements for this particular applications. Please make sure you specify the unit for both position (m, cm, ft...), and timing (ms,us, ns...).

	Typical Expected Error	Maximum Tolerable Error	Units
Position accuracy			
Timing accuracy			

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3. Receiver/Antenna Information:

a. Receivers Model/Make/Series:

Make	Model	Series	Approximate Number of Units Deployed

b. Receiver Antenna Model(s) (if Any):

Make	Model	Series

c. Range of Antenna Mounting Heights AGL:

d. Range of Operational Speeds (min/max velocities):

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e. Receiver Antenna Orientation Information

- i. Strapped on the Receiver, or Installed Separately From the Receiver:
- ii. Fixed or Variable Orientation:
- iii. Approximate Range of Boresight Inclinations (+/- x degrees):

f. Primary Geographic Area(s) of Operation

i. Urbanization Level

Urbanization Level	% Units deployed
Urban	%
Suburban	%
Rural	%

ii. Terrain Attributes

Terrain Attributes (1/3)	% Units Deployed
Flat	%
Sloped (inclined)	%
Canyon	%

Terrain Attributes (2/3)	% Units Deployed
Open space	%
Physically impeded environment (blockage by buildings or vegetation)	%

Terrain Attributes (3/3)	% Units Deployed
Dry Land	%
Open Water	%

**4. Any Additional Information Pertaining to the GPS Application
You Would Like to Provide**