

31-Oct-06

Question 7: Purpose of Experiment

- a) Per NTIA criteria provided via email originated by Karl Nebia, the station class should be "XT." The device (GPS re-radiator) is to be used as Experimental RNSS test equipment for the purpose of testing GPS receivers installed in aircraft while the aircraft are inside the Long Beach Citation Service Center (CSC) hangar.

Other attachments to this application show how this system complies with the criteria of 8.3.28 of the NTIA Manual. Attachments include a system diagram, component specifications, power calculations, stop buzzer Point of Contacts, and FAA coordination correspondence including the Non Government Temporary assignment number.

- b) The specific objective we wish to accomplish is to ensure aircraft GPS navigation systems are functioning properly without having to relocate the aircraft outside of the hangar. Relocating an aircraft takes several people. Work on the aircraft cannot be performed while it is being moved. Often, other aircraft must be moved to clear a path to the hangar door. This can disrupt work on additional aircraft with associated delays and costs.
- c) This program will reduce time required to service aircraft, increase efficiency and contribute to ensuring the reliability of aircraft GPS navigation systems.

Very Respectfully,

Danny Hankins
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