GIANT
GPS INTERFERENCE AND NAVIGATION TOOL

GIANT TRAINING (September 2024)

The GIANT Sustainment team is pleased to announce training classes the week of 9 September 2024. Training will be offered for GIANT 5.7 in-person in Colorado Springs, Colorado. **There is no fee to attend the GIANT Training, however space is limited.** This class is open to government and contractor personnel, with appropriate 'need to know'.

Monday and Tuesday, 9-10 September 2024 (0800 to 1600 MST):
Analytical Training

This class focuses on engineering and analysis applications of GIANT. The training covers the process of creating scenarios, modifying user equipment, space segment, and GPS Jammer definitions. This is a two-day training session with hands on exercises led by senior analysts and engineers from the GIANT program.

Wednesday, 11 September 2024 (0800 to 1600 MST):
GIANT Simulation API Training

The GIANT Simulation API can be utilized by programmers and software engineers to incorporate the GIANT Simulation Engine capabilities into their own applications. In this course, students will learn to integrate the Simulation API into a new program developed by students throughout the course. Through the development of this application, students will leverage the API's functions to perform operations such as coordinate transformations, instantiate the signal and terrain environment to be used in scenarios, as well as create and load GIANT platform models such as transmitters and receivers. Once the scenario is constructed, users will then be able to control the processing of simulation time and extract signal and navigation performance metrics. The class will be taught on training room hardware in Visual Studio using Python. Prerequisites for this course include the following: GIANT Analytical Training and basic knowledge of programming concepts.

Thursday, 12 September 2024 (0800 to 1600 MST):
Operational Training

This course provides a basic understanding of GPS and how the GIANT simulation tool can be used for operational Mission Planning. Through the use of hands-on exercises, the student will create scenarios representative of an operational environment and look at GPS performance predictions. The student will understand how to use the GIANT Mission Planning Wizard to create a scenario, be able to run the simulation and understand the results and how they impact operational performance.

Friday, 13 September 2024 (0800 to 1300 MST):
GIANT RPM Training

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The GPS Interference and Navigation Tool Reliability Prediction Model (GIANT-RPM) is used to support the coordination of DoD requests to perform Electronic Attack (EA) type activities in frequency bands assigned to GPS as defined in the CJCSM 3212.03. The focus of this course is the use of RPM to generate the required reports for test planning coordination. The training will take a user through the process of creating transmitter sites, defining antenna and signal models, and generating RPM reports.

How to Register:

GIANT training registration is now available through the GIANT website. Please visit the GIANT website at www.giantsw.com to complete and submit all registration forms.

Registration for this training session will close on 19 August 2024.

Note that all requests for training must be approved by the Model manger. As your request for training is approved, you will receive an E-mail confirmation of enrollment for the requested class, which will include instructions on submitting required visit request (VAR) to Lockheed Martin with your local security office, and necessary paperwork. Additional information will be included in the confirmation E-mail (i.e. maps, places of lodging close to the training facility, point of contacts/numbers).

If you do not receive a confirmation E-Mail or response to being placed on a waitlist, please contact the GIANT sustainment team directly at giant@linquest.com (937) 306.6076.

For additional information see: http://www.giantsw.com.

Respectfully,

//Signed//
Geoffrey Moshier, 2d Lt, USSF
PNT Delta/L&OSS (P), GIANT Model Manager

//Signed//
Geneva Amaya, LinQuest
GIANT Development Team