

RD&T Technology Facilitation Action Plan

Nationwide Differential Global Positioning System (NDGPS)

PRODUCT

Description of Product : The Nationwide Differential Global Positioning System augments GPS by providing for increased accuracy, greater integrity and greater availability.

Intended User: State and local DOTs, Railroad Industry, travelers, and others

Distribution methods: Conferences, articles, etc. This includes AASHTO, TRB, GIS-T, ITS America, etc. In addition, other team members will be providing information to other users such as the railroad industry.

Alternative Formats: None planned

Delivery Dates: The system being installed today. Current plans call for complete installation by December, 2002.

PROGRAM/PRODUCT SUPPORT

CBU Contact(s): William Jones in ITS JPO and Roger Petzold in Environment and Planning. Other contacts across DOT including FRA, USCG, OST, etc.

Resource Center Contact(s): ITS Specialists

Division Office Contact(s): ITS Coordinators, District Engineers, Division Administrators, etc

Other Contact(s): Various contacts in State and local DOT's. To date, we have established POC's in each state DOT. These are typically in their GIS offices, but some are in other locations.

OUTREACH

Conference Presentations: Papers describing NDGPS have been presented at ITS America, TRB, AASHTO, ION, CGSIC, IEEE Position Location and Navigation Symposium (PLANS), Rural Advanced Transportation and Technology Conference, etc. Future conferences and proceedings include other IEEE forums, GIS-T, and a host of others.

Publications: GPS World, ION Newsletter, ITS America Newsletter, Concrete Producer, Public Roads, etc. During recent conferences, several periodicals have expressed an interest in articles. These will be written and reviewed by DOT in fall 2000.

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Other Outreach Activities: Discussion with various potential users, manufacturers, and others who have an interest in the system.

TRAINING

Materials Needed: Training does not apply to this program since it is based on the use of GPS and should be transparent to the users.

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Instructor Requirements:

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Schedule of Training/Workshop/Briefing:

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Intended Audience:

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Alternative Formats:

PROGRAM INTEGRATION

CBU Contact: Bill Jones, ITS JPO and Roger Petzold, Environment and Planning. Note that this program is funded by FRA and that several other organizations have taken leading roles in this effort including OST, USCG, NOAA, USAF, and USACE.

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Research Contact: James A. Arnold, Operations R&D, 202-493-3265

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Follow-up Activities:

