

GEOGRAPHIC INFORMATION SYSTEMS FIELD DATA ENTRY TECHNICIAN

RESOURCE CATEGORY	Geographic Info Systems and Info Technology
RESOURCE KIND	Personnel
OVERALL FUNCTION	The Geographic Information Systems (GIS) Field Data Entry Technician collects data using using mobile data collection devices
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. This position can be ordered as a single resource or in conjunction with a NIMS typed team (GIS Field Data Collection Team). 2. Logistics for deploying this position (e.g., security, lodging, transportation, meals) should be discussed prior to deployment of this resource. 3. This position can work up to 12 hours per shift, is self-sustained for 72 hours, and deployable for up to 14 days.

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	SINGLE TYPE	NOTES
DESCRIPTION	The Type 1 GIS Field Data Entry Technician is responsible for gathering location-based data from the field to support an incident using mobile data collection devices that are Global Positioning System (GPS) capable.	Not Specified
EDUCATION	Not Specified	Not Specified
TRAINING	<ol style="list-style-type: none"> 1. IS-100: Introduction to Incident Command System (ICS) 2. IS-200: ICS for Single Resources and Initial Action Incidents 3. IS-700: National Incident Management System (NIMS) An Introduction 4. IS-922: Applications of GIS for Emergency Managers 	Additional incident-specific training may be needed based on the characterization of the threat or hazard.
EXPERIENCE	<p>Knowledge: Use common location reference systems to include: United States National Grid (USNG), latitude/longitude, and other appropriate location languages in support of disaster operations</p> <p>Abilities:</p> <ol style="list-style-type: none"> 1. Locate and navigate to features using a paper map and compass 2. Use and maintain mobile data collection devices such as mobile smart phones, tablet-based hardware, laptops, GPS enabled devices, GPS field data collectors, and GPS enabled cameras 3. Edit geometry of a point, line, and polygon 4. Edit attributes of a lay of GIS data 5. Add data including multiple file formats from different physical sources <p>Experience: Three months of practical experience with GPS capable mobile data collection devices</p>	Not Specified

Superseded

Position Qualification for Planning
Geographic Info Systems and Info Technology

COMPONENT	SINGLE TYPE	NOTES
PHYSICAL/MEDICAL FITNESS	Ability to perform duties under moderate circumstances characterized by working consecutive 12-14 hour days under physical and emotional stress for sustained periods of time	Moderate fitness or work capacity criteria should be consistent with the physical fitness levels defined in the National Wildfire Coordinating Group's (NWCG) Fitness and Work Capacity, National Fire Protection Association (NFPA) 1582: Standard on Comprehensive Occupational Medical Program for Fire Departments, or equivalent physical and medical fitness criteria determined by the AHJ.
CURRENCY	Not Specified	Not Specified
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	Not Specified	Not Specified

Superseded



Position Qualification for Planning
Geographic Info Systems and Info Technology

NOTES

Nationally typed resources represent the minimum criteria for the associated category.

REFERENCES

1. FEMA, NIMS 509-14: GIS Field Data Collection Team
2. National Wildfire Coordinating Group (NWCG), National Incident Management System Wildland Fire Qualification System Guide, PMS 310-1, Physical Fitness Levels, October 2013
3. NFPA 1582: Standard on Comprehensive Occupational Medical Program for Fire Departments, latest edition adopted

Superseded