



## GEOGRAPHIC INFORMATION SYSTEMS FIELD DATA ENTRY TECHNICIAN

<b>RESOURCE CATEGORY</b>	Geographic Info Systems and Info Technology
<b>RESOURCE KIND</b>	Personnel
<b>OVERALL FUNCTION</b>	The Geographic Information Systems (GIS) Field Data Entry Technician collects data using mobile data collection devices
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. This position can be ordered as a single resource or in conjunction with a NIMS typed team (GIS Field Data Collection Team).</li> <li>2. Logistics for deploying this positions such as working conditions, length of deployment, security, lodging, transportation, meals should be discussed prior to deployment of this resource.</li> </ol>

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
<b>DESCRIPTION</b>	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
<b>EDUCATION</b>	Not Specified	Not Specified
<b>TRAINING</b>	<ol style="list-style-type: none"> <li>1. IS-100: Introduction to Incident Command System (ICS)</li> <li>2. IS-200: Basic Incident Command System for Initial Response, ICS-200</li> <li>3. IS-700: National Incident Management System (NIMS) An Introduction</li> <li>4. IS-922: Applications of GIS for Emergency Managers</li> </ol>	Additional incident-specific training may be needed based on the characterization of the threat or hazard.
<b>EXPERIENCE</b>	<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"> <li>1. Locate and navigate to features using a paper map and compass</li> <li>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</li> <li>3. Edit geometry of a point, line, and polygon</li> <li>4. Edit attributes of a lay of GIS data</li> <li>5. Add data including multiple file formats from different physical sources</li> </ol> <p>Experience: Three months of practical experience with GPS capable mobile data collection devices</p>	Not Specified
<b>PHYSICAL/MEDICAL FITNESS</b>	Moderate	The NIMS Guideline for the National Qualification System (NQS) defines Physical/Medical Fitness levels for NIMS positions.
<b>CURRENCY</b>	Not Specified	Not Specified



Position Qualification for Planning  
Geographic Info Systems and Info Technology

COMPONENT	SINGLE TYPE	NOTES
<b>PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS</b>	Not Specified	Not Specified



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## NOTES

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

## REFERENCES

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1. FEMA, NIMS 509-14: GIS Field Data Collection Team
2. FEMA, National Incident Management System (NIMS), October 2017
3. FEMA, NIMS Guideline for the National Qualification System, November 2017
4. NFPA 1582: Standard on Comprehensive Occupational Medical Program for Fire Departments, latest edition adopted