# 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 mobile data collection devices that are Global Positioning System (GPS) capable.

**Composition and Ordering Specifications:**
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 positions such as working conditions, length of deployment, security, lodging, transportation, meals should be discussed prior to deployment of this resource.

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.

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<tr>
<th>COMPONENT</th>
<th>SINGLE TYPE</th>
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<tr>
<td><strong>DESCRIPTION</strong></td>
<td>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.</td>
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<td><strong>EDUCATION</strong></td>
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| **TRAINING** | 1. IS-100: Introduction to Incident Command System (ICS)  
2. IS-200: Basic Incident Command System for Initial Response, ICS-200  
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** | 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  
Abilities: 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  
Experience: Three months of practical experience with GPS capable mobile data collection devices | Not Specified |
<p>| <strong>PHYSICAL/MEDICAL FITNESS</strong> | Moderate | The NIMS Guideline for the National Qualification System (NQS) defines Physical/Medical Fitness levels for NIMS positions. |
| <strong>CURRENCY</strong> | Not Specified | Not Specified |</p>
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<tr>
<td>PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS</td>
<td>Not Specified</td>
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NOTEs
Nationally typed resources represent the minimum criteria for the associated category.

REFERENCES
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