



Resource Typing Definition for Response Planning

## GEOGRAPHIC INFORMATION SYSTEMS SPECIALIST

<b>RESOURCE CATEGORY</b>	Geographic Info Systems and Info Technology
<b>RESOURCE KIND</b>	Personnel
<b>OVERALL FUNCTION</b>	The Geographic Information Systems (GIS) Specialist coordinates to prepare incident maps and displays by collecting and interpreting information
<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 National Incident Management System (NIMS) typed team (Incident Management Team)</li> <li>2. Requestor specifies any additional qualifications necessary based on incident complexity and needs</li> <li>3. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation, and meals, prior to deployment</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>	<p>The GIS Specialist:</p> <ol style="list-style-type: none"> <li>1. Participates in functional area briefings and after action reports</li> <li>2. Defines, implements, and maintains a daily archival process</li> <li>3. Provides written documentation, digital data, and products developed during the incident to the Documentation Unit and others</li> <li>4. Assists in producing incident products by completing digital analysis</li> <li>5. Develops, updates, and maintains metadata</li> <li>6. Coordinates with Situation Unit Leader to prepare incident maps and displays by collecting and interpreting information</li> <li>7. Produces and updates digital maps within established guidelines and time frames using NIMS symbols</li> </ol>	Not Specified
<b>EDUCATION</b>	Not Specified	GIS-related education comes in a variety of formats, including GIS certificates, GIS degrees, and GIS on-the-job training.
<b>TRAINING</b>	<p>Completion of the following:</p> <ol style="list-style-type: none"> <li>1. IS-100: Introduction to the Incident Command System, ICS-100</li> <li>2. IS-700: National Incident Management System, An Introduction</li> <li>3. E/L 0190: ARC GIS for Emergency Managers</li> <li>4. E/L 0313: Basic Hazus Multi-Hazard, or equivalent</li> </ol>	Identified equivalent trainings should meet or exceed course learning objectives.



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COMPONENT	SINGLE TYPE	NOTES
EXPERIENCE	Successful completion of the National Qualification System (NQS) Position Task Book (PTB) for the NIMS Geographic Information Systems Specialist, or equivalent Authority Having Jurisdiction (AHJ) documentation	Not Specified
PHYSICAL / MEDICAL FITNESS	Light	The NIMS Guideline for the NQS defines Physical/Medical Fitness levels for NQS positions.
CURRENCY	Functions in this position during an operational incident, planned event, exercise, drill, or simulation at least once every three years	Not Specified
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	Not Specified	Not Specified



## NOTES

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Nationally typed resources represent the minimum criteria for the associated component and capability.

## REFERENCES

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1. FEMA, NIMS 508: Incident Management Team
2. FEMA, NIMS 509: Situation Unit Leader
3. FEMA, National Qualification System (NQS) Position Task Book for Geographic Information Systems Specialist, latest edition adopted
4. FEMA, National Incident Management System (NIMS), October 2017
5. FEMA, NIMS Guideline for the NQS, November 2017
6. FEMA, National Response Framework, June 2016