

## GEOGRAPHIC INFORMATION SYSTEMS SUPERVISOR (NQS)

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| <b>RESOURCE CATEGORY</b>                       | Geographic Info Systems and Info Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RESOURCE KIND</b>                           | Personnel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>OVERALL FUNCTION</b>                        | The Geographic Information Systems (GIS) Supervisor provides oversight for GIS activities of multiple GIS teams during expanding and complex incidents                                                                                                                                                                                                                                                                                                                                                                                                            |
| <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 Map Support Team).</li> <li>2. Discuss logistics for deploying this position, such as security, lodging, transportation, and meals, prior to deployment</li> <li>3. This position typically works 12 hours per shift, is self-sustainable for 72 hours, and is deployable for up to 14 days</li> <li>4. Requestor may specify any additional qualifications necessary based on incident complexity and needs</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                                                                                                                      |
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| <b>DESCRIPTION</b> | <p>The GIS Supervisor:</p> <ol style="list-style-type: none"> <li>1. Establishes or transitions into a unit or team under the Planning Section</li> <li>2. Configures team to support operations as necessary</li> <li>3. Manages the Type 1 GIS Analyst and coordinates staffing and resources to support mission-specific needs and activities</li> </ol>                                                                                                                                                                                                                                                                                                                                                       | Not Specified                                                                                                              |
| <b>EDUCATION</b>   | Completion of a formal GIS-related educational or certificate program or possession of Recognition of Prior Learning (RPL) focused on demonstrated knowledge and skills as the Authority Having Jurisdiction (AHJ) determines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 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-200: ICS for Single Resources and Initial Action Incidents</li> <li>3. ICS-300: Intermediate Incident Command System for Expanding Incidents</li> <li>4. IS-700: National Incident Management System, An Introduction</li> <li>5. IS-800: National Response Framework (NRF), An Introduction</li> <li>6. IS-922: Applications of GIS for Emergency Management</li> <li>7. E/L 0964: National Incident Management System Incident Command System All-Hazards Situation Unit Leader Course, or equivalent</li> <li>8. G0191: ICS/EOC Interface</li> </ol> | Identified equivalent trainings should meet or exceed course learning objectives.                                          |

*Superseded*

| COMPONENT                                                     | SINGLE TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NOTES         |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>EXPERIENCE</b>                                             | <p>Knowledge, Skills, and Abilities:</p> <ol style="list-style-type: none"> <li>1. Understands and uses common location reference systems, including United States National Grid (USNG), latitude/longitude, and other appropriate location languages in support of disaster operations</li> <li>2. Helps acquire data for GIS software, including coordinating Memorandums of Understanding (MOU) for event imagery and other local data</li> <li>3. Acquires and evaluates different map types and data sources to understand limitations and present the most useful information</li> <li>4. Provides oversight, guidance, and direction for the use of predictive models such as Hazus Multi-Hazards, chemical, biological, radiological, and nuclear (CBRN), and Wildland Fire Behavior Modeling in producing maps, analysis, and reports for situational awareness and decision-making</li> </ol> <p>Experience:</p> <ol style="list-style-type: none"> <li>1. Successful completion of the National Qualification System (NQS) Position Task Book (PTB) for the National Incident Management System (NIMS) Geographic Information Systems Supervisor, or equivalent AHJ documentation</li> <li>2. Practical GIS experience</li> <li>3. Experience in a management position in public safety, emergency management, or a GIS team, including familiarity with GIS industry-standard methods and processes to manage GIS resources and produce GIS products and services</li> <li>4. Successful experience as a Type 1 GIS Analyst on a deployment, incident, or training exercise, including tabletops with previous experience</li> </ol> | Not Specified |
| <b>PHYSICAL/MEDICAL FITNESS</b>                               | Performs duties under light circumstances characterized by working consecutive 12-hour days under physical and emotional stress for sustained periods of time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Not Specified |
| <b>CURRENCY</b>                                               | Functions in this position during an operational incident, exercise, drill, or simulation at least once every three years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Not Specified |
| <b>PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS</b> | <ol style="list-style-type: none"> <li>1. Completion of GIS industry-standard certification program as the AHJ determines</li> <li>2. Maintains currency in the use and application of the latest GIS technology and certifications used in the industry</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 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.

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### REFERENCES

1. FEMA, National Qualification System (NQS) Position Task Book for Geographic Information Systems Supervisor, latest edition adopted
2. FEMA, NIMS 508: Geographic Information Systems Map Support Team
3. FEMA, NIMS 509: Geographic Information Systems Analyst
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
7. U.S. Department of Homeland Security, Homeland Security Geospatial Concept of Operations (GeoCONOPS) v. 5.0, June 2013, or latest edition adopted

Superseded