

GEOGRAPHIC INFORMATION SYSTEMS MAP SUPPORT TEAM

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| DESCRIPTION | The Geographic Information Systems (GIS) Map Support Team is responsible for the production of GIS-based computer maps used for decision making, navigation, incident assessment, and threat and hazard identification. |
| RESOURCE CATEGORY | Geographic Info Systems and Info Technology |
| RESOURCE KIND | Team |
| OVERALL FUNCTION | <p>The GIS Map Support Team:</p> <ol style="list-style-type: none"> 1. Supports the development of map settings and map applications for the field 2. Supports GIS hardware and software used in the field, at the command post, and in Emergency Operations Centers (EOC) 3. Edits connected and disconnected data 4. Ensures decision makers have access to and can use location-based information for enhanced situational awareness and decision making |
| COMPOSITION AND ORDERING SPECIFICATIONS | <ol style="list-style-type: none"> 1. Discuss logistics for deploying this position, such as security, lodging, transportation, and meals prior to deployment 2. This team typically works 12 hours per shift, is self-sustainable for 72 hours, and is deployable for up to 14 days 3. The National Incident Management System (NIMS) Type 2 and Type 1 GIS Map Support Teams deploy complete with printing resources, including a seven-day paper supply and assorted replacement parts for plotters and printers, when existing printing infrastructure is not available 4. The NIMS Type 3 GIS Map Support Team is for maximum mobilization in support of an existing infrastructure with printing capabilities |

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 | TYPE 1 | TYPE 2 | TYPE 3 | NOTES |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EQUIPMENT PER TEAM MEMBER COMMUNICATIONS | Same as Type 2 | Same as Type 3 | <ol style="list-style-type: none"> 1. Cellular phone 2. Portable radio | Consider alternate forms of communication, such as satellite phones, based on the mission assignment and team needs. |
| EQUIPMENT PER TEAM MEMBER INFORMATION TECHNOLOGY | Same as Type 2 | Same as Type 3 | Laptop | These are workstation-grade laptop computers that should have internet access through either a local area or wireless network. Laptops should include GIS viewing software, production software, editing software, and analysis software. |
| EQUIPMENT PER TEAM MEMBER SUPPORTING INFORMATION TECHNOLOGY | Same as Type 2 | Same as Type 3 | Mobile Data Devices | Mobile data device include tablets and smartphones with Global Positioning System (GPS) capability and cameras, which are dependent on internet connectivity. |
| EQUIPMENT PER TEAM PRINTING | Same as Type 2, PLUS: 1 - 42 in. plotter 1 - high-speed (36 ppm or faster) color printer with 11 x 17 capability | 1 - 42 inch (in.) plotter 2 - high-speed (36 pages per minute (ppm) or faster) color printers with 11 x 17 capability | Not Specified | The Type 3 GIS Map Support Team is for maximum mobility in support of an existing infrastructure. |

Resource Typing Definition for Planning
Geographic Info Systems and Info Technology

| COMPONENT | TYPE 1 | TYPE 2 | TYPE 3 | NOTES |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EQUIPMENT PER TEAM STORAGE AND DISTRIBUTION | Same as Type 2 | Same as Type 3 | 1 - Server | Not Specified |
| EQUIPMENT PER TEAM TRANSPORTATION | Same as Type 2, PLUS: 1 - vehicle | Same as Type 3, PLUS: 1 - vehicle | 2 - vehicles | Vehicles should have 4-wheel drive capable of operating in an incident area and have an inverter to power computer hardware. Team can use vehicles as workspaces if no fixed facilities or other locations exist to house team and equipment. |
| PERSONNEL PER TEAM MANAGEMENT AND OVERSIGHT | Same as Type 2 | Same as Type 3 | 1 - NIMS Type 1 GIS Supervisor | Not Specified |
| PERSONNEL PER TEAM MINIMUM | 10 | 6 | 6 | Not Specified |
| PERSONNEL PER TEAM OPERATIONS AND SUPPORT | Same as Type 2, PLUS: 1 - GIS Developer 1 - Information Technology (IT) Technician 1 - GIS Database Administrator | Same as Type 3 | 2 - NIMS Type 1 GIS Analyst 2 - NIMS Type 2 GIS Analyst 1 - GIS Developer | The GIS Developer, IT Technician, and GIS Database Administrator are not NIMS-typed support positions. |

Superseded

NOTES

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

REFERENCES

1. FEMA, NIMS 509: GIS Supervisor
2. FEMA, NIMS 509: GIS Analyst
3. U.S. Department of Homeland Security, Homeland Security Geospatial Concept of Operations (GeoCONOPS), v. 5.0, June 2013

Superseded