GEOGRAPHIC INFORMATION SYSTEMS (GIS) MAP SUPPORT TEAM

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	The GIS Map Support Team: 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	1.Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation and meals, prior to deployment 2.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 3.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
MINIMUM PERSONNEL PER TEAM	10	6	6	Not Specified
MANAGEMENT AND OVERSIGHT PERSONNEL PER TEAM	Same as Type 2	Same as Type 3	1 - NIMS Type 1 GIS Supervisor	Not Specified
SUPPORT PERSONNEL PER TEAM	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
TRANSPORTATION EQUIPMENT PER TEAM	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

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
COMMUNICATIONS EQUIPMENT PER TEAM MEMBER	Same as Type 2	Same as Type 3	1 - Cellular phone 2 - Portable radio	Consider alternate forms of communication, such as satellite phones, based on the mission assignment and team needs
INFORMATION TECHNOLOGY EQUIPMENT PER TEAM MEMBER	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
SUPPORTING INFORMATION TECHNOLOGY EQUIPMENT PER TEAM MEMBER	Same as Type 2	Same as Type 3	Mobile Data Devices	Mobile data devices include tablets and smartphones with Global Positioning System (GPS) capability and cameras, which are dependent on internet connectivity
PRINTING EQUIPMENT PER TEAM	Same as Type 2, PLUS: 1 - 42-inch plotter 1 - high-speed (36 ppm or faster) color printer with 11 x 17 capability	1 - 42-inch 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
STORAGE AND DISTRIBUTION EQUIPMENT PER TEAM	Same as Type 2	Same as Type 3	1 - Server	Not Specified

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. FEMA, NIMS, October 2017