

## SCIENCE AND TECHNOLOGY ADVISOR (NQS)

<b>RESOURCE CATEGORY</b>	Emergency Management
<b>RESOURCE KIND</b>	Personnel
<b>OVERALL FUNCTION</b>	The Science and Technology Advisor provides advice and informs decision-making for all science and technology-related incident activities.
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"> <li>1. This position can be ordered as a single resource.</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 Science and Technology Advisor:</p> <ol style="list-style-type: none"> <li>1. Monitors incident operations and provides scientific and technical advice on matters relating to the integration of science and technology into incident response efforts</li> <li>2. Enhances safety, assists in incident action planning, and informs decision-making for all science and technology-related incident activities</li> <li>3. Consults with subject matter experts in the scientific and technological communities to gather information, serve as a liaison, and make recommendations to the incident command, Unified Command, or center director</li> <li>4. Maintains an extensive network throughout the scientific community and draws from this resource as necessary to help inform incident operations</li> <li>5. Ensures proper information management of scientific data acquired during incident operations and field testing</li> <li>6. Disseminates technical information and training to all response personnel who may need special knowledge relating to incident planning and response activities</li> </ol>	Not Specified
<b>EDUCATION</b>	Bachelor of science degree, with knowledge across one or more fields of study, including chemistry, biology, physics, health and safety, engineering, and natural or environmental science	Not Specified
<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: Basic Incident Command System for Initial Response, ICS-200</li> <li>3. IS-700: National Incident Management System, An Introduction</li> <li>4. E/G/L 0191: Emergency Operations Center/Incident Command System Interface</li> </ol>	Not Specified
<b>EXPERIENCE</b>	<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) Science and Technology Advisor, or equivalent Authority Having Jurisdiction (AHJ) documentation</li> <li>2. Experience in a science advisory role</li> </ol>	Not Specified

Position Qualification for Operational Coordination  
Emergency Management

COMPONENT	SINGLE TYPE	NOTES
<b>PHYSICAL/MEDICAL FITNESS</b>	Light	The NIMS Guideline for the NQS defines Physical/Medical Fitness levels for NQS positions.
<b>CURRENCY</b>	Functions in this position during an operational incident, planned event, exercise, drill, or simulation at least once every five years	Not Specified
<b>PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS</b>	Not Specified	Not Specified



## Position Qualification for Operational Coordination Emergency Management

### 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 Science and Technology Advisor, latest edition adopted
2. FEMA, National Incident Management System (NIMS), October 2017
3. FEMA, NIMS Guideline for the NQS, November 2017
4. FEMA, National Response Framework, June 2016
5. National Oceanic and Atmospheric Administration (NOAA), Scientific Support Coordinator Training Guidebook, September 2013