



## PUBLIC WORKS SYSTEMS TECHNICIAN

<b>RESOURCE CATEGORY</b>	Public Works
<b>RESOURCE KIND</b>	Personnel
<b>OVERALL FUNCTION</b>	The Public Works Systems Technician operates, maintains and troubleshoots various types of control systems.
<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. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation and meals, prior to deployment.</li> <li>3. Requestor specifies necessary systems, specialties and certifications, such as Certified Automation Professional (CAP) or Certified Control Systems Technician (CCST), based on incident 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
<b>DESCRIPTION</b>	The Public Works Systems Technician provides technical support for systems such as: <ol style="list-style-type: none"> <li>1. Energy management control systems</li> <li>2. Utility control systems</li> <li>3. Supervisory Control and Data Acquisition (SCADA) systems</li> <li>4. Heating, ventilation and air conditioning (HVAC) building automation controls</li> <li>5. Traffic management systems</li> </ol>	Not Specified
<b>EDUCATION</b>	Not Specified	Not Specified
<b>TRAINING</b>	Completion of the following: <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. IS-800: National Response Framework, An Introduction</li> </ol>	Not Specified
<b>EXPERIENCE</b>	Two years of recent experience in operating, maintaining and troubleshooting various types of control systems	Not Specified
<b>PHYSICAL/MEDICAL FITNESS</b>	<ol style="list-style-type: none"> <li>1. Moderate</li> <li>2. Is able to work while wearing appropriate Personal Protective Equipment (PPE)</li> </ol>	<ol style="list-style-type: none"> <li>1. National Incident Management System (NIMS) Guideline for the National Qualification System (NQS) defines physical/medical fitness levels for NIMS positions.</li> <li>2. PPE is mission specific and may vary by work environment; it includes hard hats, safety-toe boots, reflective vests, eye and ear protection, respirators, gloves and masks.</li> </ol>
<b>CURRENCY</b>	Currently works in this position in a municipal, county, state, tribal or territorial public works department	Not Specified



Position Qualification for Infrastructure Systems  
Public Works

COMPONENT	SINGLE TYPE	NOTES
<b>PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS</b>	License or certification in accordance with applicable regulations, based on incident needs	Not Specified



## NOTES

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Nationally typed resources represent the minimum criteria for the associated category.

## REFERENCES

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1. FEMA, National Incident Management System (NIMS), October 2017
2. FEMA, NIMS Guideline for the National Qualification System (NQS), November 2017
3. FEMA, National Response Framework, October 2019