

PUBLIC WORKS SYSTEMS TECHNICIAN

RESOURCE CATEGORY	Public Works
RESOURCE KIND	Personnel
OVERALL FUNCTION	The Public Works Systems Technician operates, maintains and troubleshoots various types of control systems.
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. This position can be ordered as a single resource. 2. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation and meals, prior to deployment. 3. Requestor specifies necessary systems, specialties and certifications, such as Certified Automation Professional (CAP) or Certified Control Systems Technician (CCST), based on incident needs.

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
DESCRIPTION	The Public Works Systems Technician provides technical support for systems such as: <ol style="list-style-type: none"> 1. Energy management control systems 2. Utility control systems 3. Supervisory Control and Data Acquisition (SCADA) systems 4. Heating, ventilation and air conditioning (HVAC) building automation controls 5. Traffic management systems 	Not Specified
EDUCATION	Not Specified	Not Specified
TRAINING	Completion of the following: <ol style="list-style-type: none"> 1. IS-100: Introduction to the Incident Command System, ICS-100 2. IS-200: Basic Incident Command System for Initial Response, ICS-200 3. IS-700: National Incident Management System, An Introduction 4. IS-800: National Response Framework, An Introduction 	Not Specified
EXPERIENCE	Two years of recent experience in operating, maintaining and troubleshooting various types of control systems	Not Specified
PHYSICAL/MEDICAL FITNESS	<ol style="list-style-type: none"> 1. Moderate 2. Is able to work while wearing appropriate Personal Protective Equipment (PPE) 	<ol style="list-style-type: none"> 1. National Incident Management System (NIMS) Guideline for the National Qualification System (NQS) defines physical/medical fitness levels for NIMS positions. 2. PPE is mission specific and may vary by work environment; it includes hard hat, safety-toe boots, reflective vests, eye and ear protection, respirators, gloves and masks.
CURRENCY	Currently works in this position in a municipal, county, state, tribal or territorial public works department	Not Specified



FEMA

Position Qualification for Infrastructure Systems
Public Works

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



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Public Works

NOTES

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

REFERENCES

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