Airway Transportation Systems Specialists (ATSS) install, maintain, modify and certify electronic equipment and lighting aids associated with facilities and services required for aviation navigation to assure a reliable, safe, and smooth flow of air traffic. This involves work with radar, communications, automation, and navigational aids equipment as well as airport lighting aids and electrical/mechanical equipment supporting facilities on and off airports within the network of the National Airspace System. It includes periodic maintenance (inspection and analysis of equipment with associated adjustments), modification, corrective maintenance, troubleshooting, repair and replacement of malfunctioning equipment, and certification. ATSSs may be required to maintain entire facilities, including electronic equipment, electrical power distribution, emergency backup power conditioning systems, and heating, ventilation and air conditioning (HVAC) systems; electronic equipment only; or power and HVAC systems only. Many ATSSs work out of offices located at or near airports and on service equipment located on airports, in Air Traffic Control Towers, other remote facilities and in open fields, or even on remote mountain tops. It is often necessary to drive significant distances (100-200 miles) to reach facilities. ATSSs also work in Air Route Traffic Control Centers maintaining equipment within the facility.

Automation:

https://faai.usajobs.gov/GetJob/ViewDetails/392527700

Radar:

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Communications:

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Navigation:

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Environmental:

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