

Telecommunications Installation and Repair Workers

Description

Telecommunications installation and repair workers install, test, maintain and repair telephones, telephone switching equipment and telecommunications equipment related to transmission and processing of voice, video signals and other data over a variety of media including fibre optics, microwave, radio and satellite. They are employed by telephone and other telecommunications transmission services establishments

Duties:

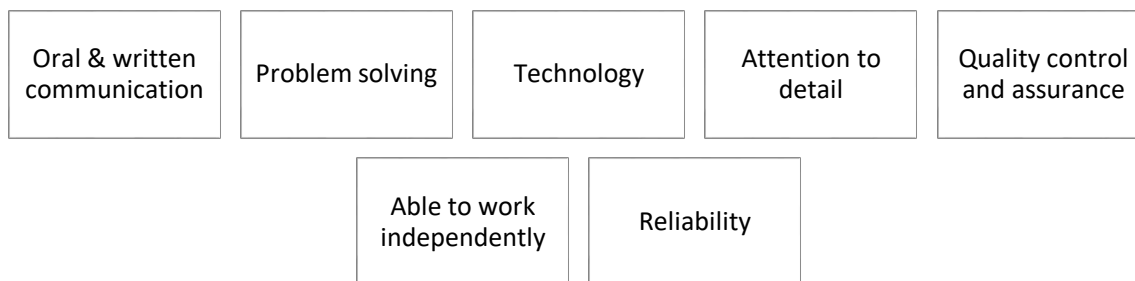
- Telephone installers and repairers:
 - Install, remove and maintain telephone equipment, wiring and associated hardware
 - Test installed telephone systems to locate transmission faults
 - Repair or replace defective and damaged telephones, wire and associated equipment.
- Switch network installers and repairers:
 - Install electromechanical, analog and digital trunking systems, circuits and equipment in telecommunications central offices and switching centres
 - Inspect and test trunking systems, circuits and equipment
 - Analyze test results and adjust or repair switching system, equipment and software.
- Telecommunications service testers:
 - Operate computerized systems to conduct service tests on customer lines and equipment
 - Determine the nature, cause and location of service trouble
 - Dispatch appropriate repair personnel
 - Complete test reports and maintain test and service records
 - May assist repair personnel to test lines, circuits and systems and verify records.
- Telecommunications equipment technicians:
 - Install, remove and maintain various telecommunications equipment and systems such as telex and facsimile machines, cellular telephones and other equipment
 - Configure operating systems and install software for access to the Internet
 - Inspect and test operation of telecommunications equipment
 - Locate equipment faults, and adjust, replace or repair telecommunications equipment.

Other titles:

- mobile radio installer
- private branch exchange (PBX) installer
- telecommunications equipment technician
- telephone installer
- telephone line and station installer
- cellular telephone technician
- switch network installer and repairer
- exchange tester – telecommunications
- telephone communication technician
- apprentice communication electrician – switching

(Government of Canada National Occupation Classification)

Skills



Education/Training Requirements

Ontario Secondary School Diploma (OSSD)

- Completion of secondary school is required
- Most college/university programs in Ontario require an OSSD or Mature Student Status

Post-secondary diploma/degree

- For telephone and switch network installers and repairers: completion of a three- to four-year apprenticeship program OR a combination of over three years work experience in trade and some high school, college or industry related courses is usually required
- For telecommunications equipment technicians: completion of a college electrical and electronics program and several months of on-the-job training OR completion of a three- or four-year apprenticeship training program is usually required

Certification

- Experience as an installer and repairer is usually required for service testers

Potential Earnings in Durham Region

The average and median wages and salaries for individuals employed as telecommunications installation and repair workers are as follows. Place of Residence (POR) is defined as individuals who reside within the Durham Region. Place of Work (POW) is defined as individuals who are employed within the Durham Region.

Median Wages and Salaries (POR)	Average Wages and Salaries (POR)	Median Wages and Salaries (POW)	Average Wages and Salaries (POW)
\$53,283	\$56,838	\$62,179	\$58,462

Employment Prospects

Industry (NAICS)	Jobs in Durham Region (POW)	Durham Region Residents Employed (POR)
5171 – Wired Telecommunications Carriers	75	205

(Ministry of Advanced Education and Skills Development 2016 data in Durham Workforce Authority's 2017 Sector Report)