

## Nitec in Rapid Transit Technology

NFRTZ

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6 month IA Duration

RT3011FPE

1. Maintain train-borne battery system
2. Maintain 750V DC current collection system
3. Maintain traction control system
4. Maintain auxiliary power supply and inverter
5. Maintain pneumatic brakes/system
6. Maintain bogie
7. Maintain wheels, axles and transmission systems
8. Maintain train air conditioning and ventilation systems
9. Perform general train cabin maintenance
10. Maintain inter-car gangway and foot plate
11. Maintain train door control system
12. Maintain train door (detrainment)
13. Maintain coupler
14. Patrol and inspect rail tracks
15. Inspect alignment of rail tracks
16. Inspect turnouts (crossings, switches)

17. Inspect for rail wear
18. Maintain fish plates
19. Maintain Insulated rail joints (IRJs);
20. Maintain Point machines (hand lever point only)
21. Track alignment check
22. Ballast track tamping by hand
23. Perform UIC 60 rail wear measurement
24. Maintain buffer stops
25. Maintain timber/ concrete sleepers
26. Service third rail expansion joint
27. Replace high speed ramp and/or low speed ramp
28. Perform changing of rails and turnouts
29. Weld rails
30. Fabricate insulated rail joints (IRJs)
31. Maintain third rail, insulators and re-gauging
32. Perform checks on pneumatic system
33. Inspect relays
34. Change axle and planetary oil
35. Perform diagnostic tests
36. Replace guide wheel assembly
37. Replace current collector
38. Perform air compressor top overhaul
39. Perform checks on stinger plug / receptacle insulation
40. Perform battery discharge test
41. Service traction motor
42. Perform checks on electrical system

43. Perform servicing and insulation checks on coupler

44. Inspect underframe / bogie

45. Perform smoke detector test

46. Perform brake preventive maintenance

47. Perform door opening/closing test

48. Perform door maintenance

49. Clean door motor

50. Perform door limit switch check