



Introduction. The 2024 WA Jobs, Education and Training (WAJET) Industry Survey required a 600 word profile on each occupation. Below is 312911 Maintenance Planner. The text below is open source and free for use when LDSC is correctly acknowledged. The text is open to correction. The Logistics and Defence Council (LDSC) welcomes input on 08 9388 8781 or <https://www.ldsc.asn.au/contact.html>

Industry Advisory Group. LDSC invites stakeholders to join our Rail Industry Advisory Group 08 9388 8781 or <https://www.ldsc.asn.au/contact.html>

Based on your Rail industry consultations and the feedback provided please provide a 600 word summary for Occupation ANZSCO 312911 Maintenance Planner

ANZSCO definition. 312911 Maintenance Planner ‘Develops maintenance planning strategies and schedules, coordinates and monitors the maintenance of all plant equipment. ANZSCO Skill Level 2. Specialisations include:

- Maintenance Scheduler
- Shutdown Coordinator
- Shutdown Planner

WA demand. In WA demand for 312911 Maintenance Planner is driven by rail construction, Defence Industry shipbuilding and resource sector oil & gas and minerals. Maintenance Planner is an ongoing role where ‘shutdown’ is only a stage in a continuous maintenance and construction schedule where service or production goals must be maintained.

Rail stakeholder feedback. Public Transport Authority calls this occupation ‘Infrastructure Controller’ with emphasis on emergency response and impacts on the Rail system. The Maintenance Planner liaises with the operations and maintenance teams to schedule maintenance to commercial contract dates. The aim is for continuous safe operation of the rail network to commercial performance indicators. The responsibility for critical infrastructure means that the Maintenance Planner has a coordination role in network failures and leads in restoring network operations during emergencies. The Rail Maintenance Planner plans closely with the Train or Network Controllers, Train Planners and Schedulers for alternate service operation and the maintenance work program. Note that ‘Above Ground’ Rail assets on the ‘Below Ground’ network like locomotives and wagons also have a separate lifecycle maintenance plan.

Defence Industries stakeholder feedback. For WA Defence Industries demand for 312911 Maintenance Planner is in the sustainment component of the National Shipbuilding Plan 2017. The docking of a ship or submarine for scheduled maintenance is part of an Integrated Logistics Plan synchronised to Defence and commercial necessities. For docking the Maintenance Planner has a timeframe from vessel handover to achieve the maintenance goals. Materials, trades and testing teams must be aligned for successful sea trials and handback.

Resource sector. The WA oil & gas and mineral sectors have a high demand for 312911 Maintenance Planner as the engineer who is the plant Shutdown Planner. The skill is to maintain commercial production goals during an ongoing maintenance cycle. The environmental constraints around the resource sector has seen a demand for Engineer specialists in plant decommissioning. For example closing down mines or gas fields to environmental standards. The emerging offshore wind industry will develop the same demand for plant maintenance scheduler and decommissioning.

Engineering background. The Maintenance Planner has developed into an Engineer with a degree. For example a civil engineer could develop a Rail network maintenance plan for a Rail network. For example a mechanical engineer could develop a maintenance plan for vessel maintenance in the Defence Industry sector. The training time for Maintenance Planner is two to four years as any Engineer or technicians.

Acute workforce shortage. The workforce shortage for 312911 Maintenance Planner in WA is acute and persistent. WA has acute workforce shortage across all Engineer and Technician categories for Rail, shipbuilding in the Defence Industries, Maritime, Civil construction and the resources sector. Employment is available in Rail in WA for any engineer or technician in related streams that can demonstrate utility to the sector – for example Electronic, Mechatronic, Industrial, Production or Plant or Transport Engineers.

Demand factors are:

- Global demand for WA iron ore
- Global demand for WA wheat
- METRONET construction
- National Rail Action Plan 2020
- Naval Shipbuilding Plan 2017 including SSN-AUKUS
- WA world leading networks demanding technicians in Autonomous Trains, Electronic Signalling and integrated logistics
- Demand shift from METRONET construction to operations to maintenance

Supply factors are:

- Competition for Engineers and supporting technical workforce
- National Rail Skills Shortage
- Perception / Image of the Rail Industry
- Rail ANZSCO codes need review to current industry occupations
- Regional Housing and Remote Lifestyle

John Fisher john@ldsc.asn.au 0448 743 970