

Rail Signalling Engineer

- Full time role in a national organisation
- Work-life balance with flexible work arrangements available
- Contribute to and influence rail safety for signalling projects and operators all across Australia

Bring your passion to make a difference and your expertise in signal engineering to contribute to safe railways for Australia.

The Role – Your impact and contribution

The Rail Signalling Engineer provides practical risk based, specialist advice with respect to administering *Rail Safety National Law* in the area of signal engineering in the rail environment. The position supports ONRSR's regulatory activities across Australia by working in a multi-disciplinary team of experienced technical professionals that provide knowledge and expertise in areas critical to the regulation of rail safety.

The role includes the opportunity to apply expertise across a wide range of railway operating contexts and gain exposure to major infrastructure projects across Australia that are applying modern signalling technologies.

Your contribution is to apply your expertise in rail signalling to identify rail safety risks and help ONRSR apply the Rail Safety National Law to ensure those risks are managed so far as is reasonably practicable for the purpose of ensuring safe railways for Australia. You will focus on rail signalling risks including level crossings, safety systems, rail operations and safe working.

At ONRSR, we believe our people and their passion for contributing to safe railways for all Australians is how we make a difference. You bring the passion to make this difference. We bring you growth, development, national on-the-job experience and great exposure to a transformational industry. Together, we contribute to safe railways for Australia.

The ONRSR technical team is a supportive group of people who work closely together to get through a diverse volume of work and partner with other areas of the business to contribute to safe railways.

About you

Combining your enthusiasm for rail safety and your demonstrated experience in rail signalling you will provide technical expertise, advice and support to ONRSR's regulatory work plans and safety improvement activities in relation to railway signalling, level crossings, safety systems, rail operations and safe working.

Using your ability to communicate technical matters in easy-to-understand ways, you will lead, support or provide advice in regulatory activities (inspections, audits, site visits and investigations), accreditation activities and major projects involving the review of safety management systems, asset management and maintenance, defects management, incident response and investigations related to railway signalling issues.

Your tertiary qualifications in electronic engineering or electrical engineering and experience in railway signal engineering (including design, operations and maintenance) as well as your experience in the application of safety assurance principles will contribute to you executing the requirements of the role under the Rail Safety National Law.

Key to success in this role is that you have:

- Demonstrated experience in railway signalling and communications design, construction and management areas.
- Knowledge and understanding of rail industry safe working arrangements, signalling principles, as well as railway operations.
- Capacity to identify technical issues, undertake technical investigations and audits, provide concise recommendations and reports, and the development and implementation of strategies to resolve issues.
- Understanding of new and emerging technologies for signalling, level crossing and communications systems.

It would be helpful for you in this role if you also had:

- Demonstrated knowledge and experience in the rail industry or a related field is desirable.
- Membership of the Institution of Railway Signal Engineers is desirable.
- Ability to read and interpret railway signalling plans and diagrams such as Signalling Arrangement Plans, Bonding Plans and circuit diagrams.
- Understanding of railway signalling principles, signalling asset lifecycle and relevant railway signalling standards

About us

ONRSR has the responsibility for regulatory oversight of rail safety throughout Australia. As an independent regulatory authority, ONRSR pursues safe railways for Australia by encouraging safe rail operations, enforcing national compliance with the *Rail Safety National Law*, and promoting and improving rail safety across the country.

ONRSR actively encourages productive working relationships, a healthy work-life balance, workplace diversity and development of expertise. In addition, the organisation offers a commitment to learning and development, and flexible work options. Further details on the benefits of working at ONRSR can be found at <https://www.onrsr.com.au/about-onrsr/working-at-onrsr>

The Application Process

For further information, please read the Position Description which is attached. To help us learn more about you, we ask that your application includes:

- Your resume
- A cover letter of no more than two pages detailing why you are suited to the role

As part of the recruitment and selection process, you will be required to undertake a criminal history check if you are one of the preferred candidates. The results may not necessarily preclude appointment to the position.

Personal information is handled in accordance with the Privacy Act 1988 and the Australian Privacy Principles. For more information, download our privacy notice or policy at www.onrsr.com.au.

Enquiries to: Jordan Lock – Manager, Technical 0427 162 981

Salary: \$146,000 - \$185,000 + 10.5% super

Applications close: Thursday, 20 April 2023

Apply to: recruitment@onrsr.com.au




NOTE:

- You must be an Australian citizen, permanent resident or hold a valid work permit or visa.
- Applications are sought from direct candidates only. No agencies please.
- Application closing dates are at the discretion of ONRSR and may change without notice.

Rail Signalling Engineer

Position Description

Technical
Melbourne

	<p>About ONRSR</p> <p>The Office of the National Rail Safety Regulator (ONRSR) plays an integral role in keeping Australians safe across the nation's vast and varied rail networks. Headquartered in Adelaide, and with offices around the country, ONRSR is an independent regulatory authority that encourages safe rail operations, enforces national compliance with the <i>Rail Safety National Law</i>, and promotes and improves rail safety throughout Australia.</p> <p>Our People</p> <p>At ONRSR we aim to enhance and promote rail safety nationally through effective risk-based regulation. To achieve that, we need people with the vision to contribute to the safety of Australia's railways – people who are professional, whose values align with ONRSR's values of independence, respect, integrity, diligence and excellence. People motivated by the opportunity to improve rail safety and by the benefits this delivers to the Australian community.</p> <p>Our purpose</p> <p>Safe railways for Australia</p>
	<p>The Role – Your impact and contribution</p> <p>The Rail Signalling Engineer provides practical risk based, specialist advice with respect to administering <i>Rail Safety National Law</i> in the area of railway signal engineering in the rail environment. The position supports ONRSR's regulatory activities across Australia by working in a multi-disciplinary team of experienced technical professionals that provide knowledge and expertise in areas critical to the regulation of rail safety. The team refer work to each other in the preparation of joint advices as well as for peer review.</p> <p>The role includes the opportunity to apply expertise across a wide range of railway operating contexts and gain exposure to major infrastructure projects across Australia that are applying modern signaling technologies.</p> <p>Your contribution is to apply your expertise in rail signalling to identify rail safety risks and help ONRSR apply the Rail Safety National Law to ensure those risks are managed so far as is reasonably practicable for the purpose of ensuring safe railways for Australia.</p> <p>You will focus on rail signalling risks including level crossings, safety systems, rail operations and safe working.</p>
	<p>Key Relationships</p> <p>Reports to: Manager, Technical Services</p> <p>Internal: Executive Director Technical, General Managers Operations, National Manager Compliance Investigations, Senior Manager Major Projects and the Projects and Technical Program Director.</p> <p>External: None</p>



Your Responsibilities

Activities

Combining your enthusiasm for rail safety and your demonstrated experience in rail signalling, you will:

- Provide technical expertise, advice and support to ONRSR's regulatory work plans and safety improvement activities in relation to railway signalling, level crossings, safety systems, rail operations and safe working.
- In a lead, support or advisory capacity participate in regulatory activities (inspections, audits, site visits and investigations), accreditation activities and major projects involving the review of safety management systems, asset management and maintenance, defects management, incident response and investigations related to railway signalling issues.
- In a lead, support, coaching, or advisory capacity, review, analyse and advise on rail signal engineering safety matters (including safety management systems, risk assessments and application for variation to accreditation) as required under the *Rail Safety National Law*.
- Assist in the review and analysis of complex rail signalling incidents and trends at local and national levels to ensure current and emerging risks are addressed, and provide recommendations for appropriate interventions.
- Monitor national and international developments in railway signalling technologies and projects. Consider and advise on the impact of these developments on network safety and operator accreditation.
- Represent ONRSR at relevant external committees and working groups / forums, taking a position on safety matters based on knowledge and expertise and ensuring that ONRSR's interests are appropriately represented.
- Establish and maintain detailed records of assessment and evaluation processes to ensure availability of accurate information, decisions and regulatory strategies that supports decision making.




What you Bring – Key Competencies

Key to success in this role is that you:

- Tertiary qualification in Electrical or Electronic Engineering
- Demonstrated experience in railway signalling and communications design, construction and management areas.
- Knowledge and understanding of rail industry safe working arrangements, signalling principles, as well as railway operations.
- Capacity to identify technical issues, undertake technical investigations and audits, provide concise recommendations and reports and the development and implementation of strategies to resolve issues.
- Understanding of new and emerging technologies for signalling, level crossing and communications systems.

Helpful qualifications and experience

- Demonstrated knowledge and experience in the rail industry or a related field is desirable.
- Membership of the Institution of Railway Signal Engineers is desirable.
- Ability to read and interpret railway signalling plans and diagrams such as Signalling Arrangement Plans, Bonding Plans and circuit diagrams.

	<ul style="list-style-type: none"> • Understanding of railway signalling principles, signalling asset lifecycle and relevant railway signalling standards. <p>Your compliance</p> <p>As a regulator, it is important that we are all on the same page when it comes to safety and risk management and everyone at ONRSR is responsible to actively supporting this aspect of our role to promote a positive and safe culture. ONRSR has a zero tolerance to the use of alcohol and non-prescription drugs for all workers while undertaking ONRSR work. This includes workers recalled to duty unexpectedly who should decline to work if doing so puts them in breach of the Drug and Alcohol Policy.</p> <p>Other items of note</p> <p>On occasions, this role will require you to work outside of normal business hours, on weekends and public holidays. There is a requirement to travel which may include short stays in ONRSR interstate offices. If you would like more information about how ONRSR regulates please read the ONRSR Way 2020.</p> <p>Privacy Notification</p> <p>ONRSR requires personal information and documents relevant to your employment. The collection and handling of this information will be consistent with the requirements of relevant privacy laws.</p>
	<p>Our Commitment to you and your Commitment to ONRSR</p> <p>ONRSR is genuinely committed to investing in the capability of its staff and is proud of its structured Regulatory Officer training program that will support Regulatory Officers in learning the <i>ONRSR Way</i> to rail safety compliance in a supportive environment. Opportunities to learn key skills in both a classroom and infield setting are made available through the delivery of our training program and advancing your skills and knowledge in these areas is also available within this program. The success of this program also relies on your engagement and willingness to coach and mentor staff.</p> <p>ONRSR expects its people to contribute to the efficient and effective functioning of the organisation to meet ONRSR and team strategic goals. This includes actively participating in the Performance Development and Review process; demonstrating appropriate and professional behaviours in accordance with the Code of Conduct and values; providing assistance to team members if required; and undertaking other key responsibilities or activities as directed.</p> <p>I have read and understood the requirements of the position and agree to carry out the key responsibilities to the best of my ability.</p> <p>I understand that I may be required to perform other duties from time to time to fulfill the position requirements.</p>