

RAIL INDUSTRY AWARDS

AUSTRALIA + NEW ZEALAND

Tuesday 1 September 2026
International Convention Centre
(ICC), Sydney



[Nominate now](#)

Signalling and Systems Engineering Excellence Award

Judged by the Institution of Railway Signal Engineers (IRSE)



This category is open to individuals who contribute to the overall success of the operation of our railways. The individual must have demonstrated their ability by delivering improvements for our railway industry across one or more of the following disciplines noting the list is for guidance only and is not exhaustive:

- Signalling on-board
- Signalling wayside
- Centralised train control and automation
- Individual train operation and automation
- Business management, passenger and freight information
- Fixed wayside or above rail asset protection and monitoring
- Station and tunnel protection
- Wagon loading and unloading
- Data and voice communications
- Private and public fixed and wireless networks
- Cyber security

In progressing the development, integration and application of new and innovative technologies to rail infrastructure and operations, the individual must have demonstrated some or all of the following:

- Leadership and innovation capability in applying the technologies to railways

- Applied systems engineering principles in the development and application of the technologies to railways through the definition of system concepts, functionality, requirements, human factors and traceability etc.
- Conducted or overseen the necessary verification and independent validation of the system in terms of its functional operation, safety, and reliability
- Acted in a senior position responsible for the implementation of a particular project that captures the essence of the criteria

Note: The judges may require an interview with the nominee before making a decision on the winner.

Criteria

The nominee is required to meet each of the following criteria:

- Worked within the Australasian rail industry for at least 15 years;
- Challenged the accepted norm in an attempt to promote debate and innovation on a specific issue(s);
- Been a demonstrated catalyst for change; and
- May have seen through the implementation of a particular project(s) involving a change process.

Questions to address

1. How long has the nominee worked in the rail signal and telecommunications/train control systems industry and what positions have they held?
2. During the nominee's time in the rail S&T industry, what notable projects and/or activities has the nominee been involved in or led that shows the nominee's outstanding leadership and personal integrity?
3. Provide examples of projects and/or activities that the nominee has been involved in or led that highlights the nominee's creativity and innovation capabilities.
4. Provide examples of projects and/or activities that the nominee has been involved in or led that highlights the nominee's ability to thoroughly test and prove the safety of the technology for rail applications.
5. Provide examples of projects and/or activities that the nominee has been involved in or led that highlights the nominee's ability apply systems engineering principles in the development or application of new technology.
6. Provide examples of projects and/or activities that the nominee has been involved in or led that highlights the nominee's ability to adequately address human factor issues in adopting new

technology in railways.

7. What did these projects/activities achieve for the operation of railways? Please provide figures if possible and appropriate
8. Why should the nominee receive the Signalling & Systems Engineering Award? *200-word limit.*
9. Do you give permission for key points from your nomination, to be shared with the wider rail industry? See point Supporting documents item c below.

Supporting documents

- a. **Supporting Material:** Must provide evidence of their direct involvement in their chosen activity/project examples, any such evidence will be kept confidential to the judges. Note that supporting material in the form of a CV is unlikely to satisfy the criteria. *10-page limit*
- b. **Endorsement:** If you are self-nominating, a second/third party endorsement and referee contact details must be provided
- c. **Overview of Nomination:** Please upload an overview of your nomination with contact details for inclusion in the Rail Knowledge Bank and Awards website. *One-page limit*