

ARTC MATRIX UPDATE

Signalling (Technician & Engineer) Communications & Wayside Devices



ARTC Employees, Assessors & Contractors

27 June 2024

ARTC matrices are in the process of being reviewed and updated to align with company requirements and industry standards.

The purpose of this notice is to provide an update on the upcoming changes to the ARTC **Signalling** (Technician and Engineer) and **Communications and Wayside Devices** matrices.

Whilst the matrices launch today, all RIW Cardholders will need to comply with the updated requirements, which will be effective from **10th December 2024** within the RIW system.

After extensive consultation and the facilitation of a thorough change management process, changes to these matrices will be reflected in the RIW system on 10th December 2024 and are part of our ongoing efforts to improve efficiency and compliance.

Summary of changes:

Signalling (Technician and Engineer)

- Signalling Technician and Signalling Engineer matrix will now be combined into one matrix
- Mandatory training will be added to the required job roles in RIW (*Refer to page 3 & 4 for details*)
- New role added - ARTC Signalling Tester
- Roles that are no longer current will be retired (*Refer to page 5 for details*)
- Formatting changes for improved layout
- RIW system to be updated to align with the updated matrices, including renewal requirements

Communications and Wayside Devices

- This matrix will now be called as Operational Technologist Matrix
- ARTC - Communication Technician role will be called as Technical Specialist Communication with updated competency requirements
- Updated requirements for Wayside Device Technician role
- Below two roles will migrate from Signalling to the Operational Technologist Matrix,
 - Control System Technician/Technical Officer
 - Control Systems Engineer
- Roles that are no longer current will be retired
- Formatting changes for improved layout

Updated Matrices Link

[ARTC Signalling Matrix](#)

[ARTC Operational Technologist Matrix](#)

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Who will be affected?

All workers who hold or are working towards any of the roles from:

- ARTC Signalling (Technician and Engineer) Matrix
- ARTC Communication and Wayside Devices Matrix

What action must be undertaken?

All RIW profiles must be updated with the required information by **10th December 2024**.

A breakdown of each role from the Signalling matrix is available in [Table 1](#) and Operational Technologist matrix (previously Communications and Wayside Devices) is available in [Table 2](#).

If you have a role that will be retired, you will need to apply for the transition role. Please note the proposed retired role will continue to be valid until 10th December 2024 to assist with transition to new roles if required. The old roles will be inactive after 10th December 2024. If you have a valid SOC with all requirements met, this remains valid for the timeframe specified on your SOC.

A thorough change management process is in place with ARTC leaders and our contracting partners to ensure a smooth and supportive transition.

Where can I find details on roles that are going to be retired?

Please refer to [Table 3](#) for details on roles that are going to be retired in RIW and the role you will need to transition to.

What documentation needs to be uploaded?

Your Employer Administrator must upload the completed certificates for the below competencies in the Rail Industry Worker system by **10th December 2024**.

Work with your Employer Administrator to ensure your RIW profile is up to date. All contractors and employees working on the ARTC network must hold a valid RIW card and comply with the updated Signalling and Operational Technologist matrix (previously Communications and Wayside Devices) by 10th December 2024.

Where can I find the Statement of Competency (SOC) and related documentation?

You can access the Signalling documentation by visiting the [ARTC Extranet](#).

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Table 1 – Below are the additional competencies that will be added to RIW job roles effective 10th December 2024. Please note, the below is not all requirements for each role. For detailed role requirements please reference the updated [Signalling Matrix](#).

ARTC Signalling Role Name in RIW	Required Additional Competencies (Names and codes)
ARTC Signal Electrician/ Maintainer ARTC Signal Installer/Tester	ST144 ARTC Signal Safeworking (29404) Electrical Safety Induction (58984) Signalling Standard Induction (29402) Electrical Licence (24143)
ARTC Signal Mech - Maint/Constr	ST144 ARTC Signal Safeworking (29404) Signalling Standard Induction (29402)
ARTC Signals Trades/Assistants - Rack Wireman (This role will be renamed as Signals Trades/Assistants)	Work in Live Locations (30545) Electrical Safety Induction (58984) Signalling Standard Induction (29402)
ARTC - Senior Signal Engineer Alternate 1 (This role will be renamed as Senior Signal Engineer (Design, Field, Construction))	ST144 ARTC Signal Safeworking (29404) Electrical Safety Induction (58984) Signalling Standard Induction (29402)
ARTC - Signal Designer	Signalling Standard Induction (29402) One from below: Graduate Diploma of Railway Signalling or equivalent Bachelor/Advanced/Diploma of Electrical Engineering Bachelor/Advanced/Diploma of Electrical Systems Engineering Advanced/Diploma of ESI Power Systems IRSE Designer Licence/ IRSE Design Verifier Licence Certificate IV in Railway Signalling or equivalent
ARTC - Signal Design Engineer ARTC - Assistant Signal Designer ARTC - Signal Project Engineer	Signalling Standard Induction (29402)
ARTC - Signal Project Manager	Signalling Standard Induction (29402) Prerequisite is a relevant Project Management role from the ARTC Project Management matrix
ARTC - Signal Engineer - Maintenance/Construction ARTC - Signal Engineer Maint/Constr Alt 1 ARTC - Assistant Signal Eng Maint/Constr	ST144 ARTC Signal Safeworking (29404) Electrical Safety Induction (58984) Signalling Standard Induction (29402)

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Table 2 - Below are the additional competencies that will be added to job roles effective 10th December 2024. Please note, the below is not all requirements for each role. For detailed role requirements please reference the updated Operational Technologist Matrix.

ARTC Operational Technologist Role Name in RIW	Competencies Names and codes
ARTC - Communication Specialist	This role will be renamed as Technical Specialist Communication
ARTC - Wayside Device Technician	Below additional equivalents will be added: <i>One of the Qualifications below</i> <ul style="list-style-type: none"> • Certificate III in Electrotechnology Electrician or equivalent • Certificate III in Telecommunications or equivalent • Certificate III in Electrical Engineering or equivalent • Certificate IV in Telecommunications Engineering Technology or equivalent • Certificate III in Information Technology or equivalent • Bachelor's in information technology
ARTC - Ctrl Systems Technician/Technical Officer	TLIF0020 Safely access the rail corridor or equivalent CPCWHS1001 Work safely in the construction industry or equivalent ST144 ARTC Signal Safeworking – Control Systems (144220) Signalling Standard Induction (29402)
ARTC - Control Systems Engineer	TLIF0020 Safely access the rail corridor or equivalent CPCWHS1001 Work safely in the construction industry or equivalent ST144 ARTC Signal Safeworking – Control Systems (144220) Signalling Standard Induction (29402)

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Table 3 – Below RIW roles that will be retired within the RIW system on 10th December 2024. The second column specifies the transition role name. It's important to note if you have a valid SOC it will transition with you for the timeframe specified on your SOC.

RIW Role Name to be Retired	Transition Role Name
ARTC - Signal Electrician/Maintainer - Alternate 1	ARTC - Signal Electrician/Maintainer
ARTC - Signal Mech & Elec - Maint/Constr	ARTC - Signal Electrician/Maintainer
ARTC - Signal Installer/Tester - Alternate 1	ARTC - Signal Installer/Tester
ARTC - Ctrl Systems Technician/Technical Off Alt1 /Alt 2	ARTC - Ctrl Systems Technician/Technical Officer
ARTC - Signals Trades/Assistants - Cable Jointer	ARTC - Signals Trades/Assistants
ARTC - Signals Trades/Assistants - Linesman	ARTC - Signals Trades/Assistants
ARTC - Signals Trades - Electrician	ARTC - Signal Electrician/Maintainer
ARTC - Snr Signal Eng - Design/Field/Constr	ARTC - Senior Signal Engineer Alternate 1
ARTC - Senior Signal Engineer Alternate 2	ARTC - Senior Signal Engineer Alternate 1
ARTC - Signal Design Engineer - Alternate 1	ARTC - Signal Design Engineer
ARTC - Signal Designer - Alternate 1 and Alternate 2	ARTC - Signal Designer
ARTC - Signal Project Engineer - Alternate 1 and Alternate 2	ARTC - Signal Project Engineer
ARTC - Signal Engineer Maint/Constr Alt 2	ARTC - Signal Engineer Maint/Constr Alt 1
ARTC - Assistant Signal Eng Maint/Constr 1	ARTC - Assistant Signal EngMaint/Constr
ARTC - Signal Project Manager - Construction	ARTC – Signal Project Manager
ARTC - Signal Project Mgr - Constr Alt 1	ARTC – Signal Project Manager
ARTC - Control Systems Engineer - Alternate 1 and Alternate 2	ARTC - Control Systems Engineer

ARTC is committed to supporting industry through this transition. If you require assistance or have any queries, please email to RIWHelp@ARTC.com.au