

# ARTC-ST144 Signals Safeworking

(Replaces ARTC-ST43 Signals Safeworking accreditation)

## HRD Integrated Services technical training

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### Brief info

**T**he ARTC-ST144 Signal Safeworking course provides you with current knowledge of ARTC Signal Safeworking standards and procedures for NSW, SA, VIC and WA.

#### Course code: HRD-ST144

#### Training program

- Training for the full course is delivered over 5 days; recertification 2-3 days
- Group size: min 6, max 12 persons

#### Assessment format

- Theory test on the morning of each training day covering the previous day's learning
- Practical case studies

#### Venue

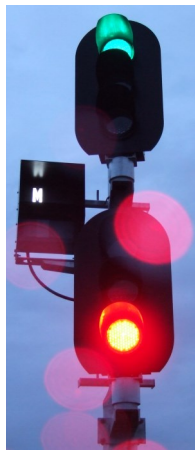
- In a workplace. ARTC site or other location with working infrastructure
- Rail Academy - Newport
- Online

#### What to bring

- Notebook, highlighters and pens
- Safety vest and boots

#### Scheduled dates and costs

Runs as required. Group bookings and individual/day-rates are available.



#### Meet the ARTC standard

**Mandatory requirement.** ST144 signal safeworking accreditation is mandatory for signalling roles in the ARTC and other networks, including John Holland railway networks.

**Certification and recertification.** If your job role involves electrical/mechanical signal equipment maintenance, like-for-like equipment change-over, or testing and commissioning you must complete ST144 signal safeworking certification and ongoing regular recertification training.

**ST43-ST144 transition.** ST144 replaces the earlier ST43. If you hold the ST43 certification make the transition to ST144 easily with HRD's time-efficient training.

### Expert training

#### Training that works for you

**Time-efficient training.** Essential learning materials are available online for pre-reading. You get a head start and reduce contact time by coming to class prepared with preliminary knowledge fundamentals.

**Case Studies.** HRD ST144 learning and assessment use meaningful and relevant case studies that encourage critical thinking and evaluation.

### Pre-requisites

- Participants must complete the ARTC Electrical Awareness induction.
- Contractors must have an RIW card with relevant qualifications and SoC compliance.
- The course assumes a knowledge of signalling systems and principles.

### Expert trainers

#### Trainer technical know-how

**Technically skilled and experienced trainers.** HRD ST144 training is delivered by experienced technical trainers who have wide-ranging industry knowledge.

**Qualified signal technicians.** HRD technical trainers are qualified signal maintainers with in-depth understanding of signal systems across local and interstate networks.

HRD-ARTC-ST144 training

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## HRD—ARTC—ST144 training program



### Training outcomes

At the end of training you'll be able to:

- explain safeworking rules, standards and procedures that apply to working on ARTC signalling equipment
- list the required steps for a number of important safeworking procedures
- demonstrate correct safeworking practices whilst working on signalling infrastructure.

## Session outline\*

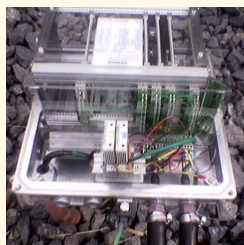
### Session 1: Working on the ARTC signalling system

- Signalling standards
- Code of Practice, Network Rules, Rule Book
- Safe notices, train notices, TOC waivers
- Rail corridor protocols

### Session 2: Maintenance of signals infrastructure

- Maintenance responsibilities, service schedules
- Apparatus seldom used
- Relays; release of locking; reset axle counters, clearance points
- Testing and certifying

\*Indicative outline



### Session 3: Signals equipment issues

- Point lock and detector testing; track circuit testing; level crossing testing
- Wrong side/right side failure; failure management
- Like-for-like change over, alteration, renewal

### Session 4: Changes and work on network infrastructure

- Re-railing
- Bridging authorities
- Equipment disconnection
- Booking equipment out of/into service

### Session 5: Accidents and incidents

- Incident management and investigation
- Responding to and reporting irregularities

## Before you start

### Pre-requisites

- ARTC contractors enrolling in this course must hold a Rail Industry Worker card with the qualifications to perform safeworking functions AND be competent on the equipment (SoC compliance is required).
- Participants must complete the ARTC *Electrical Awareness Induction* and meet any other pre-conditions (eg SARC, White Card, ARTC Working in Live Locations) before results can be issued.
- Knowledge of signalling systems and principles.

### Assessment

- Theory test referencing ARTC procedures, codes of practice, etc
- Practical case studies that include:
  - equipment disconnection/reconnection
  - commissioning readiness
  - relay faults
  - wrong side failure.

A Completion Certificate is issued to participants who successfully meet course requirements.

**Compliance, consistency, competence. HRD rail signal training professionals deliver proven, reliable results.**