

Notice Type: SAFE Notice

Location: Culcairn to Gerogery

Subject Title: Signalling and Track Circuit Upgrades

Corridor/Line: Main South – Sydney to Albury

Control Board: Main South B

Kilometrage: 596.900 To: 616.863

Effective From: 03/05/2025 Time: 0600 hrs

Effective To: 05/05/2025 Time: 0300 hrs

Reference Documents:

Train Alteration Advice: 0247-2025

Network Information Book: OGW-30-29

General Details / Operating Condition:

From 0600 hours Saturday 3rd May 2025 until 0300 hours **Monday 5th May 2025**, or until the works are completed, signal commissioning upgrades at Culcairn and Gerogery, NSW will be undertaken.

The works will include:

- Relocation of the existing 04 DIST Signal at Culcairn,
- Signal aspect modification to 04 DIST Signal at Culcairn,
- Removal of in-section automatic and distant signals in the Culcairn to Gerogery section,
- Upgrade of Rail Vehicle Detection System, and
- Uploading of new Main South B Phoenix TCS data to reflect the changes

The following existing infrastructure will be altered, commissioned and booked back into use:

- **Signals**

Equipment Identifier	Track	Facing Direction	Existing Location	New Location	Details / Change / Description
10.4 DIST Signal	Main Line	Up	600.538	601.759	Relocation of existing distance signal by 1,221 metres in the down direction. Indications after the relocation: • Clear – Green (Existing) • Medium – Pulsating Yellow (New) • Caution – Yellow (Existing)

- **Rail Vehicle Detection**

Equipment Identifier	Track	Existing Location	New Location	Details / Change / Description
UAT Track Circuit	Main Line	605.538	598.823	Removal of the existing Culcairn Up approach track circuit, and replacement with a new 2,937 metre Coded Track Circuit between the existing Culcairn 10.4 Signal and the relocated Culcairn 10.4 DIST Signal.

The following new infrastructure will be commissioned and booked into use:

- Rail Vehicle Detection**

Equipment Identifier	Track	Location	Details / Change / Description
601AT Track Circuit	Main Line	601.750	Provision of 11,143 metre Coded Track Circuit between the relocated Culcairn 10.4 DIST Signal and the existing Gerogery GY05 DIST Signal.

The following existing infrastructure will be permanently booked out and removed:

- Signals**

Equipment Identifier	Track	Facing Direction	Location	Details / Change / Description
607.49 DIST Signal	Main Line	Down	605.898	Removal of the Down direction In-Section Distant Signal for Automatic Signal 607.49 from the Culcairn to Gerogery section.
607.49 Signal	Main Line	Down	607.497	Removal of the Down direction In-Section Automatic Signal from the Culcairn to Gerogery section.
607.50 Signal	Main Line	Up	607.501	Removal of the Up direction In-Section Automatic Signal from the Culcairn to Gerogery section.
607.50 DIST Signal	Main Line	Up	609.486	Removal of the Up direction In-Section Distant Signal for Automatic Signal 607.50 from the Culcairn to Gerogery section.

- Signage**

Equipment Identifier	Track	Location	Details / Change / Description
Landmark Sign	Main Line	601.323	Removal of the Up Direction Landmark Sign for Culcairn.

- Rail Vehicle Detection**

Equipment Identifier	Location	Details / Change / Description
UBT Track Circuit	600.538	Removal of the existing Culcairn Up approach track circuit.
601AT Track Circuit	603.490	Removal of the existing Culcairn - Gerogery section track circuit.
601BT Track Circuit	603.490	Removal of the existing Culcairn - Gerogery section track circuit.
601CT Track Circuit	607.499	Removal of the existing Culcairn - Gerogery section track circuit.
601DT Track Circuit	607.499	Removal of the existing Culcairn - Gerogery section track circuit.
601FT Track Circuit	612.003	Removal of the existing Culcairn - Gerogery section track circuit.
601GT Track Circuit	612.900	Removal of the existing Culcairn - Gerogery section track circuit.

The commissioning of these new arrangements will involve route-setting activities, signal testing and track circuit testing.

Safeworking Arrangements:

All work must be carried out as per the appropriate ARTC Network Rules and Procedures.

As required an infrastructure Booking Advice (ANRF 003) must be compiled as per ARTC NSW Rules & Procedures ANWT 312 Infrastructure Booking Advice ANPR 704 Using Infrastructure Booking Advice, to book out of use, back into of use, commission, and permanently remove infrastructure.

The Phoenix System will be updated to reflect the infrastructure changes listed above.

Additional Details:

This SAFE Notice will serve as an amendment to the Network Information Book for the infrastructure changes as detailed above, as well as the additional information below.

Amendment to Network Information Book:**OGW-30-29 Harden (inc) to Albury (exc) & Cootamundra West (inc) to Stockinbingal (inc)**

Section 2.21 Culcairn (CUL) & Culcairn north (CUN)

- Line Diagram NIB-T0357 update.
- Line Diagram NIB-T0358 update.

A copy of the Drivers Diagrams for Culcairn and Gergory showing changes and amendments are attached for further reference.

Recipients must ensure this Notice is circulated to and understood by all personnel affected by, or needing to know, its content.

This Notice must be issued to all affected Competent Workers.

Competent Workers who receive this Notice must follow the requirements.

Contact Details:

Contact: Nathaniel Gomes – Project Manager

Contact No. 0428 286 780

Contact: Craig Doorey – Commissioning Engineer

Contact No. 0412 244 996

Approval:

Approved by: Manager Network Operations South

Date: 22/04/2025







