

Commentary for Standard:

ESI-05-14 Signal Design and Maintenance of Configuration Information Instruction

ESI-05-14

1 Acknowledgment

Signal Designers, Signal Maintenance Engineers, Signal Construction Engineers and Signal Project Engineers and Design and Construction Contractor employees are required to sign a briefing form to acknowledge they have read this commentary and received a briefing from their Signal Design Managers or Project Team Leaders and they understand the implications the standard has on their duties.

2 Operable Dates

2.1 Operable Date

The Operable Date is 4 July 2017.

2.2 Design Operable Date and Retrospective Requirements

The following situations shall be reviewed against ESI-05-14 for applicability:

- Any existing design which is currently being updated
- Current new signal designs that are being constructed but not yet commissioned

3 Briefing Process

The following are to be briefed by their signal design managers or project team leaders:

- signal designers, signal design engineers, signal construction engineers
- signal project engineers and signal project managers
- External signal design and construction contractors who undertake work for ARTC

ARTC signal project managers and signal project engineers shall ensure that all signalling contractors are made aware of this new engineering instruction and this commentary.

The briefing is to be carried out via a tool box meeting or team briefing. This commentary shall be printed and distributed to all staff attending the briefing. Attendees must sign to acknowledge that they have read this commentary, received a briefing and that they understand the new work instruction.

Feedback shall be provided to manager/project manager or signal design manager demonstrating the completion and implementation of the briefing. signal design managers or project team

Leaders shall keep the records of all staff signing acknowledgement of the commentary and briefing. This information shall be available for quality auditing.

4 Outline of Engineering Instruction

ESI-05-14 has been created for any renewal of or alteration to signalling equipment requiring new or amended signal design. It stipulates that the design must:

- obtain the appropriate master records from the DMS
- undergo correlation of signalling records, equipment and wiring on site to check the accuracy of source records as the basis for any design alteration
- undergo a full design check and verification of all signalling design alterations in preparation and prior to commissioning
- follow a strict process of updating the master signal design records
- identify all clearance points and ensure their physical dimensions on site are accurately correlated and recorded on the signal plans.
- for any Signalling System Substitution, control tables must be used to ensure the substitute system design includes all the existing, installed interlocking conditions

5 Forms

5.1 Superseded Forms

There are no superseded forms.

5.2 New Forms

There are 2 new forms:

- *ESI0514F-01 Source Design Records Assurance and Correlation*
- *ESI0514F-02 Commissioning Readiness Review*

6 Special Tool Requirements

There are no new special tool requirements.

7 Changed Management Systems

7.1 Ellipse

There are no changes to the Ellipse system.

7.2 Reports

There are no new reports

7.3 WHS


There are no WHS issues from the implementation of this instruction.

8 Exemptions and Exclusions

Nil.

9 Implementation Review

Standards shall conduct a review within twelve months of implementation date as to completion of the implementation processes detailed in this Commentary.

Approved By:		John Furness Manager Standards	Date: 06/07/2017
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Toolbox Briefing - Record of Briefing

The following hereby confirm attendance at a Toolbox Briefing for Signalling. This also confirms that they understand the requirements that have been briefed.

Work group: **Organisation:**

Location: **Date:**

Issues addressed:
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.....
.....
.....

Briefing performed by:

Name (print): **Position:** **Signature:**

Name (print)	Position (print)	Signature

The person performing the Toolbox Briefing is required to keep this record for proof in future audits. The completion of the Toolbox Briefing is to be reported to the next higher manager. The corridor manager is required to report via email to Standards that the Briefing has been completed.

The person responsible for the Briefing is to ensure that all persons in the team including those unable to attend this Briefing have completed a Briefing.