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**Discipline**  
**Engineering Standard – NSW**

**Category**  
**Signalling**

**Title**  
**Use of Radio Transmitters Near Electronic Signalling Systems**

**Reference Number**  
**SMP 40 – (RIC Standard: SC 00 52 00 40 SI)**

**Document Control**

| <b>Status</b>         | <b>Date</b> | <b>Prepared</b>           | <b>Reviewed</b>    | <b>Endorsed</b>                          | <b>Approved</b>                      |
|-----------------------|-------------|---------------------------|--------------------|--|--------------------------------------|
| Issue 1<br>Revision 1 | Mar 05      | Standards and Systems     | Standards Engineer | GM Infrastructure Strategy & Performance | Safety Committee                     |
|                       |             | Refer to Reference Number | H Olsen            | M Owens                                  | Refer to minutes of meeting 12/08/04 |

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## About This Standard

This Standard defines the procedures to be followed when using radio transmitters and similar devices near electronic signalling systems.

# Document History

**Primary Source** – RIC Standard SC 00 52 00 40 SI Version 2.0

**List of Amendments –**

| <b>ISSUE</b> | <b>DATE</b> | <b>CLAUSE</b> | <b>DESCRIPTION</b>     |
|--------------|-------------|---------------|------------------------|
| 1.1          | 14/03/2005  | Disclaimer    | Minor editorial change |
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# Contents

**1 GENERAL .....6**

## **1 GENERAL**

This instruction applies to the use of CB and GRN radios, mobile phones as well as any other type of radio transmitter being used near all types of vital or non-vital electronic signalling systems including electronic power supplies and change over units.

Radio transmitters of any type must not be used within 5 metres of electronic equipment whose circuit boards are either fully or partially exposed; and not within 1 metre of electronic equipment whose circuit boards are fully enclosed in a metallic housing.

It should also be noted that the reading displayed on a digital multimeter will be affected (and in error) when it is in close proximity to a transmitting radio or similar device.