

A15

SECTION 15: LINE OF SIGHT

15.1 DESIGN AND RATING

15.1.1 General

This Section applies to the requirements for line of sight to track operating signs, fixed signals and point indicators.

For details of line of sight at passive level crossings and road and pedestrian traffic crossing the track, refer to AS 1742.7 Manual of Uniform Traffic Control Devices – Railway Crossings, which is currently being revised to include these matters.

15.1.2 Line of sight

The minimum sight distance provided should allow operating signs and fixed signals to be clearly visible at a distance equivalent to a travelling time of not less than 6 seconds, at the maximum train speed for the line section.

The line of sight to operating signs and signals should be such a clear uninterrupted view is offered for a minimum time of 4 seconds when viewed from the driver's normal operating position.

15.2

**** This Clause Reserved ****

15.3

**** This Clause Reserved ****

15.4 INSPECTION AND ASSESSMENT

15.4.1 Scheduled inspections

(a) Patrol inspection

The interval between patrols for line of sight inspection should not exceed 7 days. Particular attention should be given to temporary signs. Track patrols should keep a lookout for defects and conditions (i.e. indicators of a defect) that may cause the line of sight not to be performing the function intended including:

- *Any location where sight distance is deficient, or the view by the train crew of the sign or signal may be obscured.*
- *Temporary or permanent encroachment which may infringe the line of sight for example vegetation growth.*

The speed at which the inspection is carried out should be consistent with the local conditions and the full scope of the inspection being carried out (eg. the type and number of other infrastructure elements being inspected).

(b) General inspection

General inspections should be undertaken by visual means to ensure that lines of sight are to standard, and performing the function intended. Inspection of line of sight should be carried out by on-rail inspection as near as practicable to the train driver's normal operating position.

General inspections should be carried out at intervals not exceeding twelve (12) months. General inspections should also be carried out when suspected defects are identified from conditions determined during patrols inspections.

15.4.2 Assessment and Action

15.4.2.1 Line of Sight for Rail Vehicles

The minimum requirement for line of sight distances offering a good visual path is defined in the following Table 15.1, which allows for 6 seconds sighting time.

TABLE 15.1

<i>Max Operating Speed</i>	<i>Distance metres</i>
60 km/hr	100 m
80 km/hr	140m
100 km/h	170m
115 km/hr	200m
160 km/hr	260m

Locations where the line of sight is partially obscured such that the requirements of Clause 15.1.2 are not fulfilled should be rectified within 14 days.

Locations where the line of sight is obscured to the point that the meaning of the sign or signal cannot be recognised, the response shall be to immediately:

- To provide advanced warning to drivers or;
- Impose speed or operational restrictions.