

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. NESA-S004

(Version Number 1.1)

Approval date 23 May 2019
Approved by GM Technical Standards
Report no. NESA-S004
Report date 21 May 2019

This certificate is issued to

Supplier Metwest Engineering Pty Ltd
 18 Lee Holm Rd
 NORTH ST MARYS
 NSW 1790

In respect of

Manufacturer Metwest Engineering Pty Ltd
Product description Metwest Tilting Signal
Item identification Refer to Approved Item List.
Application ARTC Network Wide
Relevant Standards ESC-04-02 Post Mounted Signals - Ladders
 SPS 11 Light Signals
 ESC-07-01 Installation of Trackside Equipment
 ESC-04-01 Signal Sighting and Position,
 SPS 02 Environmental Conditions

Conditions of Approval

General	1. For use in accordance with ARTC signals standards only.
Supplier	2. The supplier or manufacturer must advise ARTC of any changes made to the product or system which may alter its identification, performance characteristics, form, fit, function or processes required for correct usage so that this approval can be revised or reviewed. 3. A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12-monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS19011 4. Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid updated certificate.

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Design / Installation / Maintenance	<ol style="list-style-type: none">5. The product may be repaired on site provided Metwest genuine component is used for replacement / repair.6. The top of the signal base/foundation shall be installed 200mm above ground level instead of installing at rail level.7. The masts installed with signal heads shall tilt down to 200mm above the ground level to provide easy maintenance access to signal heads. The mast without the signal head will tilt at 70° down to 1100mm above the ground.8. The masts drive bar and the drive access locking plate shall be locked in its final position with an ARTC approved padlock.9. Signal focusing and signal sighting tasks shall be carried out as per ARTC standards ESC-04-01 whenever the Signal mast is tilted for carrying out regular maintenance, or fault rectification.10. Manufacturer Operational and Maintenance guidelines shall be followed while installing, inspecting, or carrying out repairs on the Metwest tilt signal mast.
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Note/Comments

NIL

Issue date 24/05/2019

Expiry date N/A

Issued by



John Furness

ARTC Manager Standards

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Approved item list

Tilting Signal Mast:

Part Number	Description	Recommended Precast Base
2234	Tilting Signal Mast - <3.5m height	Spider base with 3 increments Part number 2253
2235	Tilting Signal Mast - <4.5m height	Spider base with 4 increments Part number 2254
2236	Tilting Signal Mast - <5.5m height	Spider arrangement with 1 spider set, remainder with high intermediate units Part number 2286

Base for Signal Mast:

Part Number	Description	Comments
2253	Base suitable up to 3.5m height Tilting Signal Mast.	1 x top unit 1 x high intermediate unit 6 x spider pair (for cable entry – should be located 600mm below ground level) 1 x base slab unit 4 x M30 hold down bolts
2254	Base suitable up to 4.5m height Tilting Signal Mast.	1 x top unit 1 x high intermediate unit 8 x spider pair (for cable entry – should be located 600mm below ground level) 1 x base slab unit 4 x M30 hold down bolts
2286	Base suitable for 5.5m height Tilting Signal Mast.	1 x top unit 2 x high intermediate unit 1 x spider pair (for cable entry – should be located 600mm below ground level) 2 x high intermediate unit 1 x base slab unit 4 x M30 hold down bolts