

Certificate No.	NESA-T140	Version No.1.0
Approval date	05 March 2021	
Approved by	GM Technical Standards	
Report no.	NESA-T140 (v1.0)	
Report date	02 March 2021	
<i>This certificate is issued to</i>		
Supplier	J&S Engineering Pty Ltd 126 Racecourse Road RUTHERFORD NSW 2320	
<i>In respect of</i>		
Manufacturer	J&S Engineering Pty Ltd	
Product description	J & S weld repair process for austenitic manganese steel components	
Item identification	J & S weld repair process for austenitic manganese steel components	
Application	Hunter Valley	
Relevant Standards	EN 16725 Railway Applications – Track – Restoration and Repair of Manganese Crossings AS1085.20 Welding of Steel Rails RTS 3733 Rail Repair using Wire Feed Welding RTS 3734 Wire Feed Welding Manual AS2205.1 Methods for destructive testing of welds in metal – General requirements for tests	
Conditions of Approval	Supplier: <ol style="list-style-type: none"> 1. 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 AS 19011. 2. J & S will perform all repairs in their workshop and ARTC will organise delivery so the management of WHS&E is to be their standards. 3. 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 certificate. 4. Supplier to provide Certificate of Conformity to confirm supply is in accordance to relevant standards and this type approval. 5. The weld product has been tested against EN16725 as 	

**NEW EQUIPMENT AND SYSTEM
APPROVAL CERTIFICATE**

AS1085.20 does not cover weld repair of Austenitic Manganese steel. A table has been provided to compare EN16725 to AS1085.20, detailing how the substituted standard follows the principles of the Australian Standard.

ARTC:

6. Repaired components will initially be trialed in low-tonnage & low criticality areas to assess suitability before granting approval for highly loaded/critical areas. Ultrasonic testing will be utilised to look at the condition before, during and after service (culminating in destructive testing when removed from service).
7. Area Manager to report ongoing performance issues to the Manager Standards.

Note/Comments**Issue date****05/03/2021****Issued by****Melanie Mackie****ARTC Manager Standards**