

Certificate No. **NESA-S017** **Version No: 1.3**

Approval date 06 June 2023

Approved by Head of Engineering Standards

This certificate is issued to

Supplier Voestalpine
Oberahrer Str 9
56244 Otzinggen-Sainerholz,
Deutschland

In respect of

Manufacturer Voestalpine

Product description Unistar HR points machine

Item identification Refer to the Approved Item List.

Application Inland Rail N2NS (excluding Moree) and 111 and 128 Kooragang – See approved listing

Relevant Standards EGP-21-01 New Equipment and Systems Approvals
ESD-05-01 Common Signal Design Principles S1 – Signalling Locking and Train Dynamics
ESM-06-01 Facing Point Lock and Detection Testing
SDS14 Points
SPS 02 Environmental Conditions
SPS16 Points Mechanisms

Conditions of Approval

<p>Conditions of Legacy Approval</p>	<ol style="list-style-type: none"> 1. May continue to be used in current installations. 2. Can be replaced with the same item of equipment during maintenance activities. 3. Current installations must not be removed. 4. Shall not be used in new installations
<p>Conditions of continued use</p>	<ol style="list-style-type: none"> 5. For use in accordance with ARTC signals standards only. 6. 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. 7. The supplier or manufacturer must ensure that wiring diagram and Contact block numbering must match to each other.

	<p>8. The supplier or manufacturer must ensure that internal wiring is beaded near the contacts and matches the drawings.</p> <p>9. This certificate includes only high level items of the point machine. Lower level items to be supplied and managed by Voestalpine as per its quality management process. Any changes or issues with lower level items which can affect safety or reliability shall be notified to ARTC.</p>
Design / Installation / Maintenance	<p>10. Only items listed as approved shall be used.</p> <p>11. To be maintained in accordance with TMP, Service schedule and manufacturer recommendations as detailed in the Voestalpine Unistar HR manual.</p> <p>12. Protective covers to be provided for any exposed hydraulic connections.</p> <p>13. Each end of the point machine will require separate hydraulic unit. Where swing nose crossing is installed, it should have its separate hydraulic unit.</p> <p>14. Hydraulic point motors should be installed at higher ground level where possible.</p>
Approved Locations of Installation	<p>Kooragang – 111 and 128</p> <p>Sandgate – 181 and 183</p> <p>Bobbiwaa – A, BA, BB and C</p> <p>Bellata – AA, AB, BA, CA and CB</p> <p>Pennys Road – AA and AB</p> <p>Waterloo Creek – A and C</p> <p>Tycannah Creek – A, BA, BB and C</p> <p>Coolleearlee – A, BA, BB and C</p> <p>Milguy – AA, AB, BA and BB</p> <p>Croppa Creek – AA, AB, BA and BB</p> <p>Murgo – A, BA, BB and C</p> <p>North Star – AA, AB, B, CA and CB</p>

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.

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.

Note/Comments NIL.

Issue date 06/06/23

Expiry date N/A

Issued by

ARTC Manager Signalling Standards

Approved Item List:

Item No.	Part Number	Description	Comments
1	C-607287	Locking unit compl.	Kooragang 128
2	C-607286	Locking unit compl.	
3	C-607349	Locking unit cpl.*HR*NT*Frog*SH*ARTC	
4	C-607340	Hydraulic unit*HR*ARTC	Kooragang Trial
5	C-610153	Hydraulic unit*HR*120V DC*ARTC	Inland Rail – Fortress Lock
6	C-607338	Wiring diagram 3. SE*ARTC	Kooragang 111
7	C-607337	Wiring diagram 2. SL*ARTC	Kooragang 128
8	C-609903	Wiring diagram 4. SE*ARTC 18.5	Inland Rail
9	C-609904	Wiring diagram 2. SE*ARTC 10.5	Inland Rail
8	C-99646	Hydraulic fluid*Plantolube*Polar 15 S	