



AUSTRALIAN RAIL TRACK CORPORATION

INFRASTRUCTURE, STRATEGY AND PERFORMANCE

Engineering Standards and Documents

The following recommendation, together with the attached supporting documentation, has been considered at the ARTC Safety Committee Meeting held on 14th November 2005.

Documents:

Ref No:	08-08-10-017 - Systems & Equipment Approval
Subject:	'U.S.& S.' Lightning Arresters (E-Zvue)
Dated:	9 th November 2005.

Prepared By: Arthur Haberlin, Signalling Engineer

Endorsed by: Trevor Moore, Signalling Standards Engineer

Items Considered for Approval:

Manufacturer:	Union Switch & Signal Inc.
Product:	Lightning Arresters (E-Zvue)
Item Identification:	Low Voltage: N451552-0101 High Voltage: N451552-0201 AC Line: N451552-0401

The items in the form presented at the review date were approved for System & Equipment Approval to be used on all ARTC jurisdictions in accordance with the manufacturers published performance criteria and subject to the following.

Relevant ARTC Specifications:

Ref. No.	Title	Status	Date
SPS 02	Environmental Conditions	Issue 1 Revision 2	May '05
SCP 04	Lightning and Surge Protection Requirements	Issue 1 Revision 2	March '05

Specific Conditions of Approval:

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| <ul style="list-style-type: none">i. For use in accordance with circuit principles used at existing Microlok / Microtrax installations.ii. Not to be used in new works other than where extending an existing installation where these units are currently employed |
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Certificate Issued to:

Union Switch & Signal Pty. Ltd. 39 Harvey St. N. Eagle Farm Brisbane Queensland 4009
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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 19011:2003.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval.

Approved for use in the ARTC.

APPROVAL No: 08-08-10-017

John Cowie
Manager Standards & Systems