

**Certificate No. NESA-S029**

**Version No: 1.1**

**Approval date** 25 November 2024

**Approved by** A/Manager Engineering Services

*This certificate is issued to*

**Supplier** Westermo Data Communications Pty Ltd

*In respect of*

**Manufacturer** Westermo Data Communications Pty Ltd

**Product description** Lynx, RFI & RedFox Ethernet Switch range

**Item identification** Refer Approved Items List

**Application** Signalling and Control Systems

**Relevant Standards** EN50121-4 / IEC62236-4 Railway Applications - Electromagnetic Compatibility  
EN61000-6-(1-4) 'Electromagnetic compatibility Generic standards  
IEC62236-4 Emission and Immunity of the Railway Signalling and Telecommunications Apparatus  
IEC60068-2 Environmental Testing of Electronic Equipment  
SPS01 Standard Requirements for Signalling Electronic Systems  
SPS02 Environmental Conditions

**Conditions of Approval**

1. Only items listed are approved for use on the ARTC network
2. Safety assurance will be required for projects requiring the switches to transport vital safety data over wireless comms.
3. Switch mode power supplies to be used for powering of the systems, where possible.
4. The devices are to be configured by competent personnel.
5. A no-break power supply should be considered to ensure system availability.
6. For use in accordance with ARTC signals construction standards and standard data communications only.
7. Any updates to the firmware/boot ware, that improves the network performance or improves the reliability of the network shall be notified to ARTC, along with release notes and updated manuals.
8. The firmware version, data version and configuration of IP addresses and all other configuration items are to be documented at design and verified at commissioning and are a controlled drawing.
9. Drawings of network configuration to be provided as part of design.
10. SFP modules listed in the table below are preferred for ARTC. Use of other SFP modules may be permitted by the ARTC

## NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

11. Operational Technology team for the particular application. Approved site-specific configuration files, shall be provided as part of the signalling design documents and as-built documentation.

*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

**Issue date** 25/11/2024

**Expiry date** N/A

**Issued by**

**A/Manager Engineering Services**

### Approved Items List:

Part Number	Description
Lynx L210-F2G-12VDC	Managed Ethernet Switch -12v
Lynx L210-F2G	Managed Ethernet Switch – 24v
Lynx L208-F2G-S2	Managed Device Server Switch
RFI-219-F4G-T7G	Industrial Routing Switch
RedFox-5528-E-F16G-T12G-LV	19" Managed Ethernet Switch
RedFox-5528-E-F4G-T24G-LV	19" Managed Ethernet Switch
RedFox-5528-E-T28G-LV	19" Managed Ethernet Switch
RedFox-5528-F16G-T12G-HV	19" Managed Ethernet Switch
RedFox-5528-F4G-T24G-HV	19" Managed Ethernet Switch
1100-0531	Transceiver MLC2-DDM – 100Mbits – Multi mode
1100-0532	Transceiver SLC20-DDM, 100Mbits - Single mode up to 20km
1100-0534	Transceiver SLC80-DDM, 100Mbits - Single mode >20km, maximum 80km