

Product Type Approval Certificate

Full

This certificate is issued to:

Supplier name and address:	Westermo Network Technologies 22/11-13 Brookhollow Ave, Baulkham Hills NSW 2153
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In respect of:

Manufacturer:	Westermo Network Technologies
Place of manufacture:	Sweden
Product description:	Managed switches, Ethernet extenders and industrial Gigabit switches. Refer to Annexure 1 - Schedule of additional items.
Use approved for:	Use as networking devices for TfNSW signalling systems that require communication links. Used in accordance with TfNSW standards as well as the manufacturer's documentation and application constraints. Conclusions about the suitability for use under any other circumstances are not made. Reliance on this approval by any other organisation is done so entirely at that organisation's own risk.

Conditions of approval:	1. For the deployment of any new system, Cyber Security shall be considered in accordance with T MU SY 10012 ST Cybersecurity for IACS – Baseline Technical Cybersecurity system requirements and countermeasures and its associated documents. 2. Data communication links for safety communications with this equipment shall be implemented in accordance with EN50159:2010 and requirements of TfNSW standard T HR SC 01256 ST. The data communication links shall be assessed as to Category in accordance with Annex B of EN50159. For Category 1 and Category 2 data links, threats as identified in Table B2 of Annex B shall be addressed in accordance with controls detailed in Table 1 and processes in section 7. For Category 3 data links a full threat assessment consistent with the requirements of EN50159 shall be undertaken. 3. The supplier and maintenance AEO are to regularly monitor and liaise regarding cyber security issues. Taking action as required to maintain the overall safety and reliability of the installed infrastructure 4. Communication availability requirements shall be reviewed on a project by project basis considering system and operational requirements. 5. Physical and cyber security risks must be identified by projects with suitable controls to be advised and agreed with Sydney Trains prior to implementation. 6. Training to be provided to personnel (by a suitably accredited training provider) who are directly involved in the signalling system design, configuration, installation and maintenance. 7. The supplier or manufacturer must advise Sydney Trains and Asset Management-SER 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. 8. Only items listed in Annexure 1 – ‘Schedule of additional items’ shall be utilised. 9. Product usage to be in accordance with TfNSW standards, manuals and procedures as well as supplier documents and constraints.
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Evaluating rail transport operator

Name:	Peter McGregor
Position:	Lead Signals & Control Systems Engineer, Asset Standards Authority, Transport for NSW
Signature:	
Date:	30th June 2020

Product approval pack reference number: fA1301387

Annexure 1 - Schedule of additional items

Item	Part number	Description
Lynx L210-F2G	3643-0105	Managed Ethernet Switch with Routing Functionality
Lynx L208-F2G-S2	3643-0205	Managed Device Server Switch with Routing Functionality
DDW 242-485	3642-0330	Advanced Industrial Ethernet Extender
Lynx 5512-F4G-T8G-LV	3643-0300	Industrial Gigabit Switch
Lynx 5512-E-F4G-T8G-LV	3643-0305	Industrial Gigabit Switch
RedFox RFI-219-F4G-T7G	3641-4300	Industrial Routing Switch
RedFox 5528-E-T28G-LV	3610-4400	19" Managed Ethernet Switch
RedFox 5528-E-F4G-T24G-LV	3610-4410	19" Managed Ethernet Switch
RedFox 5528-E-F16G-T12G-LV	3610-4520	19" Managed Ethernet Switch