NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. NESA-S126	**Version No. 1.0**
Certificate type	**Full**
Approval date	**19/10/2026**
Approved by	**Manager Engineering Services**
ARTC Inventory Product No.	***Refer to Approved Item List***
This certificate is issued to	
Supplier	Phoenix Contact
In respect of	
Manufacturer	Phoenix Contact Unit 7, 2-8 South Street Rydalmere 2116
Product description	Quint -UPS / 1AC / 1AC / 500VA with lithium-ion batteries
Supplier product no.	Refer to Approved Item List
Application	ARTC Network Wide
Relevant standards	ESS-00-03 Environmental Conditions SPS 05 Electrical & Electronic Components (Ratings & Construction Requirements) ESA-09-05 DC Power Supply Units and Battery Charger Power Supplies for Signalling Equipment ESS-09-02 Signalling Power Systems

Conditions of Approval

Legacy:

1. May continue to be used in current installations
2. Can be replaced with the same item of equipment during maintenance or renewal activities
3. Shall not be used in new installations

General:

4. The units are suitable to be installed in equipment housings where temperatures do not exceed 60°C. Derating shall be considered between >60º to a maximum temperature of 70º at 2.5%/K
5. A crimped 'boot lace' ferrule must be used when terminating indication wires to the front of the UPS unit.
6. Only the copper alloy (quick Connect FASTON or Equivalent) terminal arrangement is approved for use with battery terminals
7. There are no field serviceable components within the units; any failed units shall be replaced.
8. The UPS and battery module covered by this Type Approval Certificate shall be used only

in non-vital applications.

Supplier:

9. The supplier/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.
10. A general condition of approval is that the supplier/manufacturer remains accredited to ISO 9001 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 AS19011.
11. 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 to obtain a valid updated certificate.
12. All documentation and manuals from the supplier / manufacturer shall be in English. The Supplier shall advise of any updates to the documents.

Design/Installation/Maintenance

13. Only the type approved Lithium Ion batteries shall be used with the Quint UPS. Refer to the below Approved Item List.
14. The battery temp sensor must be securely mounted between battery cells where possible.
15. No smoking in the proximity of the batteries is allowed.
16. Personnel Protective Equipment (PPE) must be worn whenever handling the batteries (gloves, glasses etc).
17. Batteries must be installed away from direct sunlight, in clean locations with ventilation
18. Wire brushes must not be used to clean terminals, only soft non-metal brushes are allowed.
19. Life expired batteries are only to be disposed of through a battery recycling organisation or returned back to local supplier.
20. Follow the manufacturer instruction while (transportation, storage, designing, installation, maintenance and disposal) of lithium-ion batteries.

Issue date 19/10/2026 **Expiry date** N/A

Issued by **ARTC Manager Engineering Services**

Attachments / Approved item list (if applicable):