

ARTC Quality Controlled Supplier

Applicability

ARTC Network Wide	✓
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Audience	Main Points	Amendment Record
ARTC staff, Contractors & Suppliers	Processes for Signals Equipment Suppliers to ARTC and its Alliances and Contractors who are not Quality Certified	V 1.0 – First Issue

General

This Instruction details the requirements for the acceptance of suppliers that do not hold Quality certification to ISO 9000 compliance. It also details processes for the review of the performance of the Quality Assurance of the supplier. This instruction is for the sole benefit of ARTC and may not be relied upon by any other organisation.

A supplier/manufacturer of a unit/product submitted to ARTC for Type Approval that does not have ISO 9000 certification may be required to implement processes to ensure and maintain the quality of the product over its production life. The requirement for these processes will be agreed with the supplier as part of the Signals Type Approval process and will form part of the Conditions for Type Approval.

It may include some or all of the following:

- A. Traceability of products needs to be considered. If required, it may involve tracing the batch or the individual item. Supplier may be required to ensure all units/products have a unique serial number and part identification code and version identification;
- B. Testing requirements need to be established. Testing may be simple sampling or batch testing or all items individually tested. The test requirements are against the performance as detailed in standard or specification or design requirements;
- C. Supplier to keep documented record of each test from B. (above) for life of the equipment;
- D. Supplier must keep a record of all the units/products serial numbers supplied to ARTC or to contractors for install on the ARTC network;
- E. Supplier/manufacturer to define the processes to be used to ensure quality control of all components that come from external suppliers and are incorporated into the unit/product;
- F. Supplier must keep records of the design of the unit/product to demonstrate the performance of the unit/product e.g. data sheets;
- G. Supplier/manufacturer to keep records of defects or failures of the unit/product even if this occurs with other users or non-railway usage. Supplier/manufacturer agrees to notify ARTC if there is a failure and the nature of the failure may affect units/products in use by ARTC;
- H. Any change to the design, components, manufacturing, testing, and performance of the unit/product by the supplier shall be notified to ARTC for approval prior to supply of any changed units/products to ARTC or to contractors for installation on ARTC infrastructure;
- I. Supplier must notify ARTC of the intention to cease production of a unit/product, or cease availability of spare parts or cease availability of technical support for operation and maintenance of a product which has been type approved;
- J. Supplier must allow ARTC to undertake quality audits of the Suppliers performance of the above requirements at 5 days' notice.

The Supplier and ARTC will document the specific processes, generally from the above items to be applied for a nominated product.

Rail Safety - Supplier Obligations

Below is an extract from the National Rail Safety legislation covering requirements for items that form part of the railway infrastructure. Arising from the legislative responsibilities, ARTC has developed processes and this engineering instruction covering the type approval of items which will form part of the railway infrastructure.

53—Duties of designers, manufacturers, suppliers etc

(1) A person—

(a) who designs, commissions, manufactures, supplies, installs or erects anything; and

(b) who knows, or ought reasonably to know, that the thing is to be used as or in connection with rail infrastructure or rolling stock, must—

(c) ensure, so far as is reasonably practicable, that the thing is safe if it is used for a purpose for which it was designed, commissioned, manufactured, supplied, installed or erected; and

(d) ensure, so far as is reasonably practicable, that such testing and examination of the thing as may be necessary for compliance with this section is carried out; and

(e) take such action as is necessary to ensure, so far as is reasonably practicable, that there will be available in connection with the use of the thing adequate information about—

(i) the use for which the thing was designed, commissioned, manufactured, supplied, installed or erected; and

(ii) the results of any testing or examination referred to in paragraph (d); and

(iii) any conditions necessary to ensure, so far as is reasonably practicable, that the thing is safe if it is used for a purpose for which it was designed, commissioned, manufactured, supplied, installed or erected.

Issued by	Date
John Furness, Manager Standards	2 December 2014