

Intertek C&E Management System		Page 1 of 3
Work Instruction (Inspection)		Document No.: WI-R-EMEA-CERT-INSP-PCS014
EMEA CERTIFICATION SCHEMES - PRODUCT CONTROL SPECIFICATIONS		
Issue Date: 2017-11-09	Revision Date: 2017-11-09	Approved by: Fredrik Wennersten
	Effective Date: 2017-11-09	

1.0 Purpose

Product Control Specifications (PCS) specify the requirements for routine inspections, tests, Product Verification Tests and sample selection for products certified under an Intertek EU Type 5 certification scheme (including GS, S, BEAB, ASTA, ENEC, BAUART and TICK MARK). They are for use by manufacturers and by factory inspectors.

2.0 Scope

Products: Audio/video, information and communication technology equipment
Standards: EN 62368-1, EN 60950-1, EN 60065
Marks: GS, S, BEAB, ASTA, ENEC, BAUART, TICK MARK

3.0 Routine inspections and tests

3.1 General

The following requirements apply to most products.

Variations may be permitted by prior, written agreement from the certification body.

The factory should have a quality plan defining all inspections and tests on materials, components and completed products as appropriate.

Completed products shall be marked to confirm satisfactory completion of all required testing.

Any products which fail inspection or testing shall be segregated and not allowed to continue through the process until rectified and re-inspected or retested.

Products shall not be released until the testing equipment has been checked again following a production batch.

Records of inspections and test should be maintained and held for at least two years.

Records shall include:

- Type of product
- Date of test
- Place of manufacture
- Quantity tested
- Number of failures and actions taken
- Model of the equipment,
- Serial number or another identifier permitting the identification without ambiguity
- Location of the point tested
- Value of earthing circuit resistance with the corresponding current value (*)
- Value of voltage applied during the electric strength test (*)
- Quick-reference information that the whole set of tests has/has not been successful.

As an alternative to the values marked with an asterisk (*) above, a record of the result of each test (pass or fail) is to be maintained.

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3.2 Required inspections and tests

Each individual equipment shall pass the tests of Clause 5 in **IEC 62911:2016** where applicable:

- a) Class I equipment shall comply with **5.1 Resistance of protective bonding system**.
- b) Mains connected equipment shall comply with **5.2 Electric strength test**.

If applicable:

Inspection/test	Test parameters	Sampling plan
Integral plugs	- Fixing of pins, pull-test with 40N - rear edges of metal-pins well rounded	At the beginning of a batch, at appropriate steps and at the end of a batch

3.3 Required inspections and tests (for ENEC Marked products)

In addition to the inspections and tests detailed in section 3.2, the requirements of Annex O, Z or AU to ENEC 303 shall be fulfilled.

4.0 Product Verification Tests/Periodic testing (refer to CIG 021 clause 5.8)

Product verification tests are in addition to the production line inspection and routine tests and are performed on samples taken randomly from the production line.

The manufacturer is responsible for conducting or arranging for the following periodic testing to be completed. Records shall be available for review during factory inspection visits.

Certification Mark	Frequency	PVT/periodic testing required
GS, S, BEAB, ASTA, BAUART, TICK MARK	(Annual)	PVT is not mandatory but it is recommended to demonstrate ongoing compliance with EU Directives. The following PVT is recommended: According ENEC 303: - Annex O for EN 60950 products, - Annex Z for EN 60065 products - Annex AU for EN 62368 products
ENEC		According ENEC 303: - Annex O for EN 60950 products, - Annex Z for EN 60065 products - Annex AU for EN 62368 products

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5.0 Surveillance testing by the Certification Body

If required, samples are selected during the factory inspection and the manufacturer should send these to the address provided. If samples are required but not available at the time of

the inspection, the manufacturer should send these as soon as they become available. If there is no stock or production, the manufacturer should advise the certification body that samples will not be provided due to no production.

The certification body will arrange for the required testing to be completed. This will be charged to the manufacturer or Licence holder. A report of the testing will be provided.

Certification Mark	Surveillance testing requirements
GS, S, BEAB, ASTA, BAUART, TICK MARK	Regular selection of samples is not required. Samples may be required if any deviations to the type tested or non-compliance with the product standard are suspected. Required number of samples: 1
ENEC	Product surveillance according to document ENEC 324. Samples for product surveillance are selected by the inspector at the time of factory inspection, to be sent to Intertek Semko AB. Required number of samples: 1

Document History				
Revision No.	Date	Changes	Name & Title	
			Author	Approving Official
1	2017-11-09	Original issue	Paul Klemets	Fredrik Wennersten

End of Document

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