

<b>Intertek C&amp;E Management System</b>		Page 1 of 3
<b>Work Instruction (Inspection)</b>		<b>Document No.:</b> <b>WI-R-EMEA-CERT-INSP-PCS007</b>
<b>EMEA CERTIFICATION SCHEMES - PRODUCT CONTROL SPECIFICATIONS</b>		
Issue Date: 2015-02-11	Revision Date: 2018-12-10	Approved by: Fredrik Wennersten
	Effective Date: 2019-01-10	

### 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: Boxes and enclosures for electrical accessories  
Standards: IEC / EN 60670 series  
Marks: S, ASTA, BAUART, TICK

### 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 (ten years for records of crimping tests).

Records shall include:

- Type of product
- Date of test
- Place of manufacture
- Quantity tested
- Number of failures and actions taken

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### 3.2 Required inspections and tests

Inspection/test	Test parameters	Sampling plan
Dimensions	To standard sheet or other specified dimensions	At least first and last of each batch or shift, minimum once per day
Visual	No visible defects	
Earthing of exposed conductive parts	Test at 25A, (supply max. 12 V a.c.)  resistance not to exceed 0.05 ohm	

### 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
S	(Annual)	<p>PVT is not mandatory, but it is recommended to demonstrate ongoing compliance with EU Directives. The following PVT is recommended: For each basic type certified, the following tests according to the product standard:</p> <ul style="list-style-type: none"> <li>• Marking</li> <li>• Dimensions</li> <li>• Protection against electric shock</li> <li>• Provision for earthing</li> <li>• Terminations</li> <li>• Construction</li> <li>• Insulation resistance and electric strength</li> <li>• Mechanical strength</li> <li>• Creepage and clearance distances</li> </ul>

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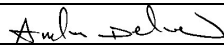
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### 5.0 Surveillance testing by the Certification Body

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.

<b>Certification Mark</b>	<b>Surveillance testing requirements</b>
ASTA	Samples to be selected each year as detailed on the sample selection record (form AFT-17) provided to the inspector before each visit.
SEMKO	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: 3

<b>Document History</b>				
<b>Revision No.</b>	<b>Date</b>	<b>Changes</b>	<b>Name &amp; Title</b>	
			<b>Author</b>	<b>Approving Official</b>
1	11/02/2015	Original issue	R W Hayward	
2	2018-12-10	Modified requirements in 3.2, 4.0 and 5.0	Thomas Jonasson/ Paul Klemets	Fredrik Wennersten

End of Document

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