



## International Products Group Co., Ltd.

55/107, Moo 2, Rangsit-Nakornnayok Rd., T. Lampukgud,  
A. Thunyaburi, Pathumthani, 12110 Thailand

Tel : +66 (0) 2577-3130

Fax: +66 (0) 2577-3137

<http://www.nationproducts.com>

### **Thailand Information Product Safety-EMC Approvals**

#### **1. General**

Thai Industrial Standard Institute (TISI) is the national body established under the Ministry of Industry. The governing body for TISI is the Industrial Product Standards Council so responsible for policy marking, sets the priority of standard to prepared, recommends qualified persons for the Minister to appoint to technical committees, arbitrates and awards licenses under its certification scheme.

#### **2. Purpose**

This information describes for preparation, submittal, evaluation, and certification of products as defined in the scope for the certification program of TISI, based on the testing and test data provided by any TISI accredited lab, so TISI did not accept CB.

#### **3. Scope (Product Covered Mandatory)**

- The scope of the product covers:

Electrical/ electronic products, Agricultural products, Civil/construction material, Consumer's products, Fluid products, Food products, Heat transfer products, Medical/ science products, Paints/ color/ varnishes products, Mechanical/ Vehicles products, and Chemical products.

#### **Example's list of electrical products mandatory**

##### **Electrical/ electronic**

1	<b>TIS 4 Part 1-2529 (1986)</b> Incandescent lamps
	Effective Date : May 1, 1987
2	<b>TIS 10-2529 (1986)</b> Low-voltage distribution link fuses
	Effective Date : November 21, 1987
3	<b>TIS 11-2531 (1988)</b> PVC insulated copper cables
	Effective Date : December 1, 1989
4	<b>TIS 23-2521 (1978)</b> Ballast for fluorescent lamps
	Effective Date : April 1, 1979
5	<b>TIS 183-2547 (2004)</b> Glow starters for fluorescent lamps
	Effective Date : September 18, 2006
6	<b>TIS 293-2541 (1998)</b> PVC-insulated aluminium cables
	Effective Date : December 27, 1999



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7	<b>TIS 344-2530 (1987)</b> Lampholders for tubular fluorescent lamps and starterholders
	Effective Date : October 25, 1988
8	<b>TIS 366-2547 (2004)</b> Electric irons : safety requirement
	Effective Date : December 26, 2005
9	<b>TIS 824-2531 (1988)</b> Electrical switches
	Effective Date : December 28, 2004
10	<b>TIS 870-2532 (1989)</b> Electric stoves; open type heating elements: safety requirements
	Effective Date : September 21, 1993
11	<b>TIS 934-2533 (1990)</b> A.C. electric fans: safety requirements
	Effective Date : December 25, 1991
12	<b>TIS 956-2533 (1990)</b> Fluorescent lamps: safety requirements
	Effective Date : September 25, 1991
13	<b>TIS 909-2548 (2005)</b> Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)
	Effective Date : November 19, 2007
14	<b>TIS 1039-2547 (2004)</b> Electric rice-cookers : safety requirements
	Effective Date : February 21, 2006
15	<b>TIS 1195-2536 (1993)</b> Mains operated electronic and related apparatus for household and similar general use: safety requirements
	Effective Date : August 31, 2002
16	<b>TIS 1291-2545 (2002)</b> Uninterruptible power systems
	Effective Date : April 26, 2004
17	<b>TIS 1389-2539 (1996)</b> Tumbler dryers : safety requirements
	Effective Date : March 23, 2002
18	<b>TIS 1462-2548 (2005)</b> Clothes washing machines household use
	Effective Date : August 21, 2007
19	<b>TIS 1463-2540 (1997)</b> Washing machines : safety requirements
	Effective Date : December 23, 2001 (Effective Date August 21, 2007)
20	<b>TIS 1509-2547 (2004)</b> Electric fryers : safety requirement



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	Effective Date : April 27, 2006
21	<b>TIS 1693-2547 (2004)</b> Instantaneous water heaters : safety requirements
	Effective Date : April 23, 2006
22	<b>TIS 1773-2548 (2005)</b> Microwave ovens safety requirements
	Effective Date : August, 21 2007
23	<b>TIS 1955-2542 (1999)</b> Lighting and similar equipment : Radio disturbance limits
	Effective Date : August 11, 2002
24	<b>TIS 2062-2543 (2000)</b> Electric thermopots : safety requirements
	Effective Date : April 26, 2004
25	<b>TIS 2134-2545 (2002)</b> Room air conditioners environment requirements energy efficiency
	Effective Date : March 11, 2005
26	<b>TIS 2165-2548 (2005)</b> Optical fiber cables - Part 3-10: outdoor cables - family specification for dust and directly buried optical telecommunication cables
	Effective Date : January 26, 2007
27	<b>TIS 2166-2548 (2005)</b> Optical fiber cables - Part 3-20: outdoor cables - family specification for optical self-supporting aerial telecommunication cables
	Effective Date : June 22, 2007
28	<b>TIS 2186-2547 (2004)</b> Household refrigerators : environmental requirements : energy efficiency
	Effective Date : December 23, 2006
29	<b>TIS 2202-2547 (2004)</b> Power cables with xlpe insulated for rated voltage from 60 kv up to 115 kv
	Effective Date : October 15, 2006
30	<b>TIS 2214-2548 (2005)</b> Household refrigerators : safety requirements
	Effective Date : December 23, 2006
31	<b>TIS 2217-2548 (2005)</b> Secondary cells and batteries containing alkaline or other non-acid electrolytes - safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications
	Effective Date : January 26, 2007



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#### **4. Type of Approval**

TIS mark is mandatory for safety and EMC approvals.

#### **5. Technical country information**

Rated voltage in Thailand is AC 220 V/ 50Hz.

#### **6. Lead Time**

The approximate lead-time to complete certification is around 2-3 months

#### **7. Cost Involved**

- Register fee:
- Certificate fee:
- Testing fee:
- Customs fee:
- Handling fee:
- Factory inspection fee: (if need)

#### **8. Documentation Required**

1. Application form in Thai language.
2. Importer / Local Representative information.
  - Company name, Company address, Personal contact, E-mail, Tel /Fax
  - Document of company license under government in Thailand.
  - Authorize letter
3. Q.C Documents. (All documents signed by manufacturer)
  - Q.C procedure according to ISO 9001: 2000
  - Q.C Process chart or Quality plan.
  - Product identification/tractability procedure
  - Process control procedure
  - In-coming inspection procedure
  - In-process inspection procedure
  - Final inspection procedure
4. Control of inspection, measuring and test equipment procedure
  - Machine list
  - Master plan of calibration list
  - Calibration record
5. Control of non-conforming product procedure
6. Control of quality records procedure
7. Inspection and testing record
  - In-coming inspection record
  - Material list record (BOM)
  - In-process inspection record
  - Final inspection record
8. Application QC procedure in English



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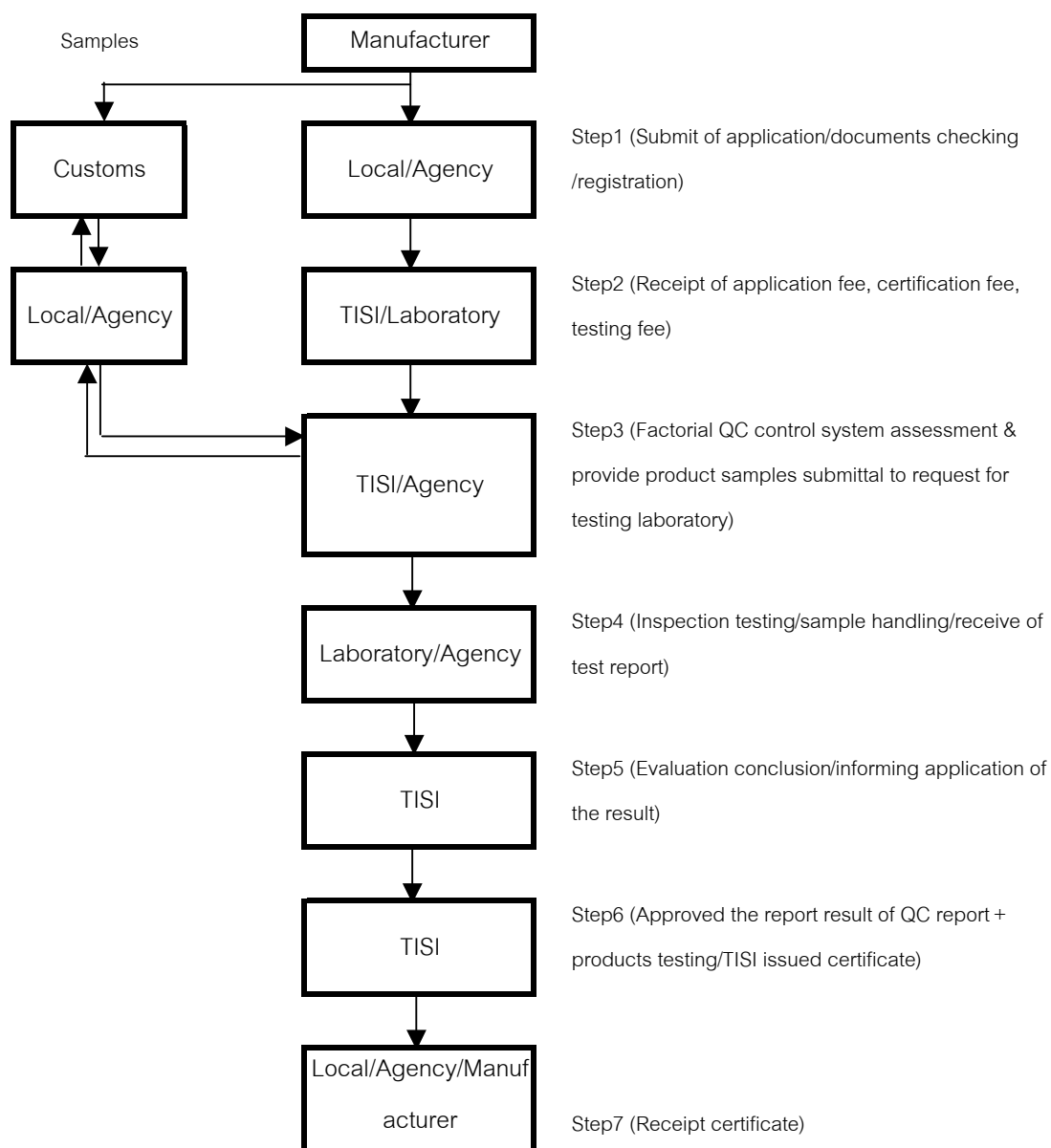
### 9. Samples

Sample is required

### 10. Factory Inspection

Factory inspection is required (if documents required did not completed)

### 11. Typical Process for Application (Flow Chart)





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### 12. Marking

Mark for mandatory/voluntary certification. There are 2 types of TIS mark



1. **Standard Mark (Mandatory):** This mark is displayed on products, local or imported, that are required by Royal Decree to be in conformity with a mandatory standard. Hence, the manufacture and import of such products must be licensed.



2. **Standard Mark (Voluntary):** The presence of this mark on any product indicates that the product is in conformity with a TISI standard, that its quality and reliability are assured, and that the manufacturer has voluntarily applied for the certification of the product.