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

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Thailand NTC Information RF-Telecommunication Product Approvals

1. **General**
   National Telecommunication Commission of Thailand (NTC) is the national body established under the Ministry of Industry. The governing body for NTC is the Industrial Product Standards Council so responsible for policy approvals RF/Telecommunication in Thailand, 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 RF/Telecom products as defined in the scope for the certification program of NTC, based on the local accredited testing, test data provided by other NTC accredited lab.

3. **Applicant**
   - Manufacturers, Importers, Traders, Retailers or Advertisers (local/oversea)
   - The applicants must be having **"Local Representative"** in Thailand only.
   - Applicant wish to submit applications must be "Local Rep." have a
   "Suppliers Code" and submitting in Thai language.

4. **Type of Approval**
   There are 3 types of NTC certification program
   1. Class A approval
   2. Class B approval and
   3. Supplier's Declaration of Conformity (SDoC).

   Class A Approval
   The RF/Telecom equipment shall test with NTC accredited testing laboratory and submit documentation to register with NTC for controlling. So the applicant will get Registration Number and Certification

   Class B Approval
   The requirement and application procedure is the same for Class A. The only difference is **Class B can submit documents CB, CE, FCC etc. certification and test report under lab accredited ISO / IEC 17025 without testing.** So the applicant will get Approval Number and Certification.

   SDoC
   The products voluntary, is under this type so the applicant shall have local representative make self declaration and submit TCF (The Technical File) documents to NTC.

5. **Scope of Products**
   - RF/Telecom, Mobile, Phone, Equipment terminal or concerning with Telecommunication. The group of product covers:

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Products Group	Standard	Type Approvals
RF/Telecom equipment use for apprentice	NTC.TS. 1018-2550	Class B
RF/Telecom equipment moving on mainland (General)	NTC.TS. 001-2548 (VHF/UHF)	Class B
	NTC.TS. 002-2548 (CB78/245)	Class B
	NTC.TS. 1009-2549 (Trunked)	Class B
	NTC.TS. 006-2548 (Microphone)	Class A
	NTC.TS. 007-2548 (Radio Control)	Class A
	Other	-
RF/Telecom equipment moving on mainland (Cellular)	NTC.TS. 004-2548 NTC.TS. 1008-2549 NTC.TS. 1014-2549 NTC.TS. 1015-2549 NTC.TS. 1016-2549 NTC.TS. 1017-2549	Class B
RF/Telecom equipment moving on mandarin	NTC.TS. 1020-2550 (CB27)	Class B
	NTC.TS. 1021-2550 (VHF)	Class B
	Other	-
RF/Telecom equipment moving on air-way	NTC.TS. 003-2548 (VHF VOR)	Class B
	Other	-
RF/Telecom equipment microwave fixed link	TCF accredited by NTC	SDoC
RF/Telecom equipment satellites	NTC.TS. 005-2548 (GMPCS)	Class A
RF/Telecom equipment NTC allowance	NTC.TS. 1010-2550 (RFID)	Class A SDoC
	NTC.TS. 1011-2549 (Vehicle Radar)	Class A
	NTC.TS. 1012-2549 (RLAN)	SDoC
	NTC.TS. 1013-2549 (MAN)	Class B
	Other	-
RF/Telecom equipment concerning optical system	NTC.TS. 2001-2550 (Optical Communications System)	SDoC
Telecommunication Terminal Equipments	NTC.TS. 3001-2550 (EMC)	SDoC
	NTC.TS. 4001-2550 (Electrical Safety)	SDoC
RF/Telecom equipment low power device or short range device	Regular under NTC following announce on 18 July 2550	SDoC
RF/Telecom equipment (Next Generation Network)	NTC.TS. 6201-2550 (NGN)	-

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6. Lead Time

The approximate lead-time to complete certification is around 3-4 wks.

7. Basic Documentation Required

1. Application form in Thai language.
2. Technical documents of products
   - Catalog / Brochure / Photos
   - Technical specification
   - Operation manual / Service manual
   - Circuit Diagram
   - Other certificate and test report (if have)
   - Etc.

8. Samples

Sample is required for Class A or sometime require conformity check of Class B

9. Factory Inspection

Not required

10. Marking

Mark for mandatory certification is NTC mark

Class A

CLASS A
NTC ID. YYYYYY-ZZ-XXXX

Meaning:

YYYYYY	:	Registration number
ZZ	:	Year
XXXX	:	Supplier's code

Class B

CLASS B
NTC ID. AAAAAA-BB-XXXX

Meaning:

AAAAAA	:	Approval number
BB	:	Year
XXXX	:	Supplier's code