

TYPE APPROVAL FOR TELECOM EQUIPMENTS (RADIO AND NON-RADIO)

1. Type approval Method

Currently NTA Type Approve the equipments based on a test report(s) and certificate of conformity issued by the manufacturers and/or by NTA-approved international standardization bodies or regulatory inspection/certifying bodies. For this, NTA adopt the following model for Type Approval process—importing country, Nepal in this case, further verifies the Suppliers' Declaration of Conformity (SDoC) and/or related standards test reports as shown in Figure below.

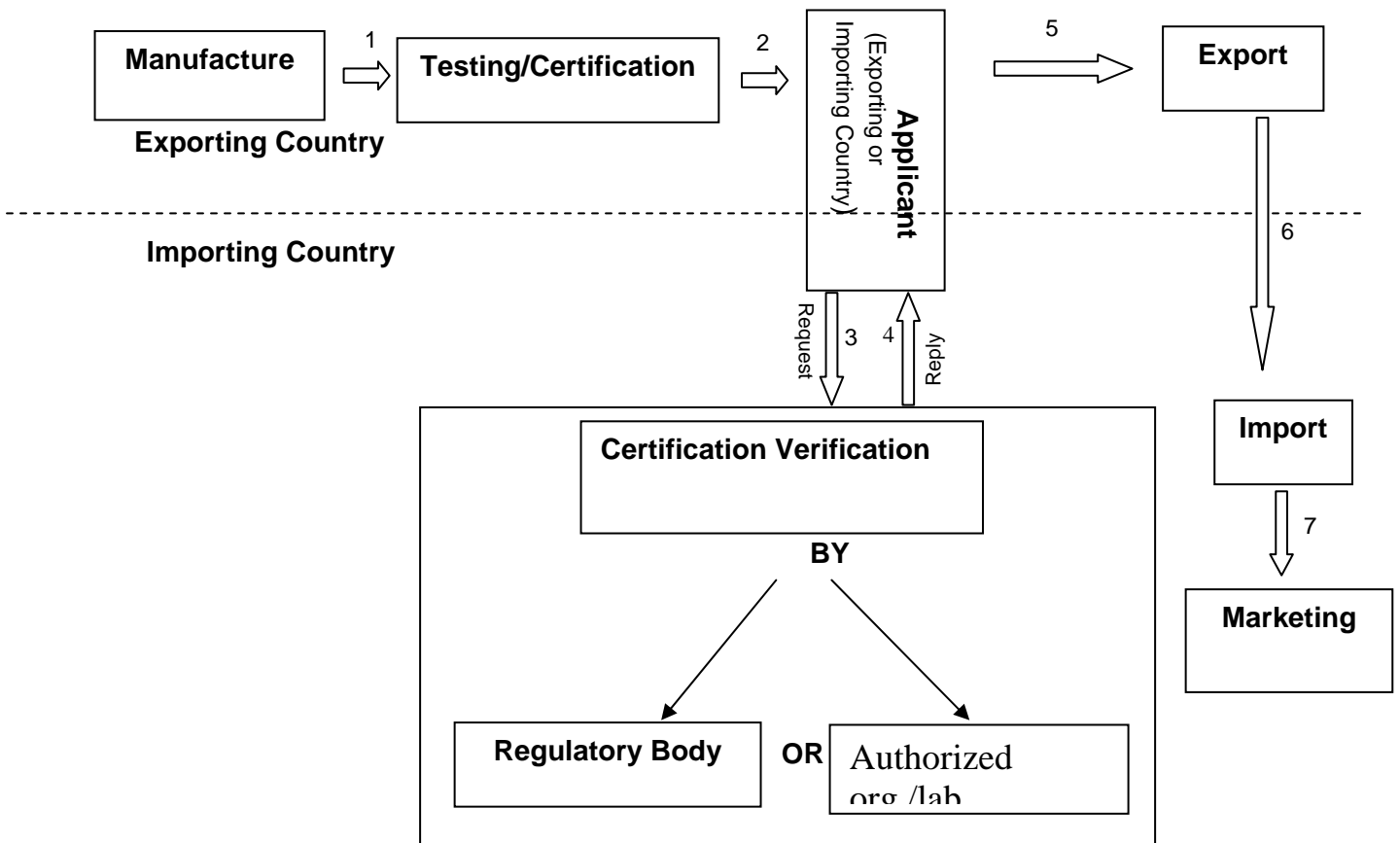


Figure. Type Approval Process

Note: The numbers along with arrow shows the sequence of steps. Step 5 is possible only if the product(s) is certified to use in Nepal for specified use (i.e. Type Approval certificate is granted to the applicant through step 4)

Manufacturer either directly contacts NTA (in future, it can also contact authorized org/lab if any) requesting for Type Approval on its products, or local VAR and/or representative will apply on behalf of the manufacturer. If the manufacturer does not have a local VAR/representative in Nepal, it still can apply for Type Approval and get certification. However, to sell its Type Approved products in Nepali market, a local VAR/representative is required. Also, only Type Approved equipments are allowed to be imported for those, which are specified, mentioned below (Equipments Identified for Type Approval). NTA or Authorized org/lab can verify certifications anytime it wishes to.

2. Type Approval Procedure

Application form/s for type approval shall be submitted to Nepal Telecommunications Authority. The forms (Annex – 3, and 4: ¹TAF-01, TAF-02; for radio and non-radio equipment respectively) are also available in the NTA website www.nta.gov.np. A completed Type Approval application shall be submitted to address below:

Nepal Telecommunications Authority
Baluwatar, Kathmandu
Tel: 977-01-4446001-4 ext. 221
Fax: 977-01-4446006
Email: ntra@nta.gov.np

The completed application form shall be accompanied by the following documents:

- a) Type Approval Certificate issued by at least one of the international bodies (Annex – 1) or at least one of national /territorial authority body (Annex – 2).
- b) Test Report/Certification by the manufacturer or the authorized representative of the manufacturer from the country of manufacture/origin.
- c) Functional description in the form of block. There should be a description of design principles and explanation of the operation of different modules/ units.
- d) Product brochures including technical specifications.
- e) Operation and installation manuals.
- f) Internal and external photographs of the equipment under test.

¹ TAF: Type Approval Form

- g) If the applicant is ²VAR, or representative, copy of import license granted by NTA or MoIC, if applicable, is required.
- h) If applicant is the manufacturer itself, such license (referred in g) is not needed.
- h) Application fee of nonrefundable NRs. 100.00.

The authority will review application and documents to ensure compliance with the relevant requirements.

Exact number of required documents depends on equipment type and NTA may ask for additional documents to the applicant as per necessity.

Sample of equipments will be requested if NTA feels necessary and the cost of transportation and custom clearance shall be borne by the applicant.

Completion time for Type Approval is typically 2-4 weeks after receiving all necessary documents; however, it may change as per need of NTA. The authorized officer designated by NTA will make decision based on international/national/territorial standard(s) and other specifications recommended in this report on the Type Approval within specified time.

When Type Approval is granted, it will be valid for a provisional 6-months period. Only if QoS, safety of consumers and general public, interference-free operations, national security concerns, quality of after sales services and any other applicable criteria (deemed necessary by NTA) are not compromised by the applicants and by the product/s, a permanent periodic Type Approval (valid for a period of 5 years) will be granted. Otherwise, either the provisional certification will be extended to additional six-months or the products will be considered to disqualify for use in the country. NTA reserves the rights both to decide on certification extension and order applicant to stop further operation of equipment(s).

The application for a renewal of the permanent type approval has to be submitted to the Authority before the date of expiry.

In case the product/s have been found to compromise on the QoS, safety and security, interferences, after sales services and any other significant issues (deemed appropriate by NTA), the Type Approval certificate may be withdrawn or cancelled at any time within the 5-year period.

The withdrawal or cancellation of a Type Approval may not affect the right to use the equipment already in use, unless the Authority determines otherwise.

Labeling the type approved equipment:

² VAR: Value Added Reseller

For identification of the equipment, equipment shall bear a clear, permanent and easily visible type plate or other equivalent contiguous type labeling with the following information:

- Name of manufacturer or an authorized company responsible for importing.
- Type or model

When type approved equipment is modified and, as a result, modifications might influence the conformity to the requirements, a new separate approval is required.

Terms and Conditions for granting approval

If the applicant meets the relevant requirements, NTA will issue a certificate that permits VARs, distributors and service providers to use, operate and sell the equipments for a period determined by it. They will be subject to the following terms and conditions:

- a. The applicant shall conform to the rules applied by the MOIC/NTA for Type Approval.
- b. The applicant shall also commit to conform to the following:
 - i. Accept responsibility for any harm, injury or loss attributed to the possession or use of the equipment.
 - ii. Accept responsibility to discontinue importation and sale, and replace all the equipment already on the market, in case of defects in the equipment resulting in unacceptable performance.
 - iii. Inform NTA of any desired modifications to the authorized equipment before importing to obtain Authority approval.
 - iv. Conform to any additional directions issued by NTA until the procedure and standard specifications associated with the new Type Approval Regime are in effect.

3. Equipments Identified for Type Approval

NTA will facilitate Type Approval for following Radio and Non-radio telecommunications equipments.

Radio Telecommunications Equipments

- a. Customer site Terminals that connect to public switched Networks
 - i. GSM/PCS
 - ii. CDMA
 - iii. DECT
- b. Low Power Devices (LPDs) or Short Range Devices (SRDs)
WLAN —WiFi, Bluetooth, other 802.11x standard devices—4W (max.EIRP) & 1 W Max. transmitter o/p Power, Freq: 2.4 GHz and 5.8 GHz

Non-Radio Telecommunications Equipments:

- a. Telephone instruments
- b. Fax

- c. Modem (dial up modem, cable modem)
- d. ISDN terminal equipment
- e. ADSL/HDSL equipment
- f. PABX

4. Certificate of Type Approval

Sample of Type Approval Certificate is shown in Annex – 5.

LIST OF INTERNATIONAL/NATIONAL STANDARDIZATION BODIES

1. International

- a. ITU — International Telecommunication Union
- b. IEC — International Electrotechnical Commission
- c. ISO — International Standard Organization
- d. ATIS — Alliance for Telecommunications Industry Solutions
- e. UTS — Universal Technical Systems
- f. TIA — Telecommunication industry Association
- g. EIA — Electronic Industries Alliance

2. USA

- a. FCC — Federal Communication Commissions
- b. NIST — National Institute for Standards and Technology
- c. ANSI — American National Standard Institutions
- d. IEEE — Institute of Electrical and Electronics Engineers

3. European

- a. ETSI — European Telecommunications Standards Institute
- b. CEN — The European Committee for Standardization
- c. CENELEC — The European Committee for Electrotechnical Standardization

4. British

- a. BABT — British Approvals Board for Telecommunications
- b. BSI — British Standards Institution

**List of regulators whose approval is to be considered by Nepal
Telecommunications Authority:**

SN	Country	Telecom Regulators	Address (URL)
1	Australia	Australian commission and media authority	http://www.aca.gov.au/
2	Belgium (2)	Belgian institute for postal services and telecommunications	http://www.ibpt.be/
3	Canada	Canadian radio-television and telecommunications commission	http://www.crtc.gc.ca/eng/welcome.htm
4	China	Ministry of Information Industry	http://www.mii.gov.cn
4.1	Hong Kong	Office of the Telecommunications Authority	http://www.ofta.gov.hk/
5	Denmark	National IT and Telecom Agency (NITA)	http://www.tst.dk/
6	Finland (1)	Finnish Communications Regulatory Authority	http://www.mintc.fi/
7	France	Autorite de regulation des communications Electroniques et des	http://www.art-telecom.fr/
8	Germany	Regulierungsbehoerde f�r elektronische Kommunikation und Post	http://www.regtp.de/
9	Greece	National Telecommunications and Post Commission, Greece	http://www.eett.gr/
10	Hungary	Ministry of Transport Communication and water management	http://www.kancellaria.gov.hu/
11	India	Telecom Regulatory Authority of India	http://www.trai.gov.in/
12	Ireland	Office of the Director of Telecommunications Regulation	http://www.odtr.ie/
13	Israel	Ministry of Communications	http://www.moc.gov.il/
14	Italy	Autorita per le Garanzie nelle Comunicazioni (AGCOM)	http://www.agcom.it/eng/eng_intro.htm

15	Korea (Rep)	Korea Communications Commission	http://www.mic.go.kr/
16	Japan	Ministry of Public Management, Home Affairs, Posts and Telecommunications	http://www.soumu.go.jp/
17	Malaysia	Malaysian Communications and Multimedia Commission	http://www.cmc.gov.my/
18	Netherlands	OPTA	http://www.opta.nl/
19	Norway	Norwegian post and Telecom Authority	http://www.npt.no/
20	Pakistan	Pakistan Telecommunications Authority	http://www.pta.gov.pk/
21	Philippines	National Telecommunications Commission	http://www.ntc.gov.ph/
22	Singapore	Infocomm Development Authority of Singapore	http://www.ida.gov.sg/
23	Srilanka	Telecommunications Regulatory commission	http://www.trc.gov.lk/
24	Spain	Commission del Mercado de las Telecomunicaciones (CMT)	http://www.cmt.es/
25	Sweden	Post och telestyrelsen	http://www.pts.se/
26	Taiwan	The Directorate General of Telecommunications	http://www.dgt.gov.tw/
27	Thailand	National Telecommunications Commission (NTC)	http://www.ntc.or.th/
28	United States	Federal Communications Commission	http://www.fcc.gov/
29	United Kingdom	Office of Communications (Ofcom)	http://www.ofcom.org.uk/

TAF-01

Nepal Telecommunications Authority

Telephone No: +977-1-4446001/2/3/4

NTA+977-1-2083201/2 **NEPAL**

768/12 Thirbam Sadak - 5, G.P.O. Box: 9754

Fax No: +977-1-4446006

Baluwatar, Kathmandu

Nepal

Application for Type Approval of Radio Telecommunications Equipment

- Instructions: 1. Please submit application form to the above address together with the applicable fee.
2. Documents accompanying the application should be original or certified true copies.
 3. Request for type approval without the submission of complete documents and information will not be accepted.

PART A: PARTICULARS of APPLICANT

1. Company Name: -----
2. Company Address: -----
3. Radio Dealer's License No: -----
4. Name of Contact Person: -----
5. Tel. No: ----- Fax No.-----
6. E-mail Address: -----

PART B: EQUIPMENT PARTICULARS:**1. Equipment category**

- a. Public (Cellular) Radio Service communication (Mobile/Fixed)
[GSM/DCS 1800/ Dual Band GSM & DCS 1800/CDMA/Satellite- Phone]
- b. Short Range Device [e.g. Blue tooth and/or WLAN, remote controls, RFID, alarm, paging systems and Cordless phone.]
- c. Telemetry/Tele-control /Radio Data Service
- d. Others (Please Specify): -----

1.1 Mobility (Please Select one of the following items)

- a. Fixed Station b. Mobile Station c. Handheld Portable

1.2. Equipment Type (Please Select one of the following types)

- a. Transmitter b. Receiver c. Transceiver
- b. Others (Please Specify): -----

PART C: Details Of the Equipment

1. Name of the Manufacturer: -----
2. Address of the Manufacturer: -----

3. Brand Name: ----- Model No: -----
 4. Trade Name (If any): ----- 5. RF channel Spacing: -----
 6. Type of Modulation: ----- 7. RF Output Impedance: -----
 ohms
 8. [Software/Firmware] Version: -----9. Year of Manufacturer: -----
 10. RF Output Power: -----[transmitter Power/e.r.p/e.i.r.p]
 11. Operating Frequency range (switching range without retuning)
 a. Transmit: -----MHz to -----MHz Receive: -----MHz to -----
 -MHz
 b. Transmit: -----MHz to -----MHz Receive: -----MHz to -----
 -MHz

12. The purpose(s) for using radio communication equipment:

13. Any certificate(s)[e.g. Test Report/DOC/Safety] received: Yes No

If yes: Certificate No	Issuing Authority	Relevant Standard
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PART D: DOCUMENTATION

- i. The appropriate fee of NRs 100.00 payable to "Nepal Telecommunications Authority"
- ii. Functional Description with circuit Diagram at least in Block Diagram Form
- iii. Operation and installation manual
- iv. Internal and External Photographs of the equipment .
- v. Product Brochures including technical specifications.
- vi. Test report/Certification by the manufacturer or the authorized representative of the manufacture from the country of manufacture/origin .
- vii. Type approval certificate(s) issued by at least one of the international bodies or national/territories regulatory Authority body as specified in annex-1 or annex-2 respectively.
- viii. If the applicant is VAR, or representative, copy of import license granted by NTA or MOIC, if applicable
- ix. Any other document(s) please specify: -----

PART E: DECLARATION OF APPLICANT

[I/we] hereby declare that the information and documents given by[me/us] in this application form are to the best of [my/our] knowledge true and correct.

Signature of the Applicant: -----
 Name: -----
 Position Held: -----
 Company Name: -----
 Date: -----

Nepal Telecommunication Authority

Telephone No: +977-1-4446001/2/3/4

NTA
NEPAL

768/12 Thirbam Sadak - 5, G.P.O. Box: 9754
Baluwatar, Kathmandu
Nepal

Fax No:

+977-1-2083201/2
+977-1-4446006

Application for Type Approval of Non-Radio Telecommunications Equipment

- Instructions: 1. Please submit application form to the above address together with the applicable Fee.
 2. Documents accompanying the application should be original or certified true copies.
 3. Request for type approval without the submission of complete documents and information will not be accepted.

PART A: PARTICULARS OF APPLICANT

1. Company name: -----
2. Company address: -----

3. Name of the contact Person: -----
4. Tel No: ----- Fax No: -----
5. Email Address: -----

PART B: DETAILS OF CUSTOMER PREMISES EQUIPMENT

1. Specification: -----
2. Type of Equipment: -----
3. Equipment Description: -----

4. Name of Manufacturer: -----
5. Address of Manufacturer: -----

6. Brand Name: -----
7. Model No: ----- Variants (if any): -----
8. Country of Origin/Import: -----
9. Year of Manufacture: -----
10. The purpose (s) for using the equipment: -----
11. Any certificate(s)[e.g. Test Report/DOC/Safety] received: Yes No

If yes: Certificate No	Issuing Authority	Relevant Standard
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PART C: DOCUMENTATION

- i. The appropriate fee of NRs 100.00 payable to "Nepal Telecommunications Authority"
- ii. Functional Description with circuit Diagram at least in Block Diagram Form
- iii. Operation and installation manual
- iv. Internal and External Photographs of the equipment
- v. Product Brochures including technical specifications
- vi. Test report/Certification by the manufacturer or the authorized representative of the manufacture from the country of manufacture/origin
- vii. Type approval certificate(s) issued by at least one of the international bodies or national/territories regulatory Authority body as specified in annex-1 or annex-2 respectively.
- viii. If the applicant is VAR, or representative, copy of import license granted by NTA or MOIC, if applicable
- ix. Any other document(s) please specify: -----

PART D: DECLARATION OF APPLICANT

[I/We] hereby declare that the information and documents given by [me/us] in this application form are to the best of [my/our] knowledge true and correct.

Signature of Applicant: _____

Name: _____

Position Held: _____

Date: _____

Ref. No. Eng. – 06--/06--

Date:

Type Approval Certificate

Certificate No.

This certificate is valid from..... to

Name of Applicant:

Address of Applicant:

Name of the Manufacturer:

Address of Manufacturer:

Product(s) name:

Product Application:

Type (provisional/periodic):

Test Criteria:

(Documents verification/ other applicable (e.g. power/frequency/e.t.c))

Remarks:

This product(s) meet the required minimal specifications criteria and is therefore certified for the specified use in Nepal.

This Certificate is valid only valid with the terms and conditions applied by NTA regarding the type approval.

.....
Authorized officer
(Type approval)

.....
Chairman