



CONFORMITY AND INTEROPERABILITY REGIMES OF TELECOMMUNICATION / ICT EQUIPMENT IN BRUNEI DARUSSALAM

Homologation Of Telecommunication Equipment Experience

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Type Approval Unit
Market Regulation Group

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BRIEF INTRODUCTION OF AITI

Authority for Info-communications Technology
Industry of Brunei Darussalam



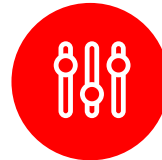
CONFORMITY ASSESSMENT PROCESSES

For Brunei Darussalam



LEGAL FRAMEWORK OF THE C&I REGIME

For Telecoms/ICT equipment in Brunei Darussalam



ICT REFERENCE STANDARDS

Practiced in Brunei Darussalam



COMMON PROBLEMS DUE TO LACK OF C&I

For Brunei Darussalam



INSTITUTIONS

Responsible for C&I Activities



VISION OF THE FUTURE

For Brunei Darussalam

BRUNEI



ABOUT AITI



AITI Order, 2001

Established on 1st January 2003 as a **Statutory Body** under the direction of the Minister of Communications



MEMBERS OF AUTHORITY

Provides strategic guidance to AITI



CHIEF EXECUTIVE

Accountable for proper administration & management of AITI

Telecommunications Order, 2001

Gives AITI the authority to regulate the telecommunications industry

3

POPULATION:
422,678 (2016)

HIGHEST AGE GROUP:
25-54 years or 45.8% (2016)

MOBILE PENETRATION:
125% (Q1 2017)

FIXED BROADBAND PENETRATION:
52.7% Households (Q1 2017)



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AITI.Brunei



AITI_Brunei

LEGAL FRAMEWORK OF THE C&I REGIME

for telecommunications and ICT equipment in Brunei Darussalam



Telecommunications Order, 2001

Gives AITI the responsibility to implement regulatory frameworks under policy directives - to provide a conducive environment and fair competition in the telecommunication market, as well as, to ensure efficient use of scarce resources in Brunei Darussalam

Section 34

Radio-communication and telecommunications equipment dealers must have a **valid licence from AITI to sell** (import/export, manufacture, resell) telecommunications equipment.

Telecommunication equipment includes radio-communication and satellite equipment as well.

Section 9

AITI to **approve equipment before sale or use**. By facilitating and regulating the sale & import of telecommunications equipment, generally, it is:

- To make sure the equipment is safe for consumers
- To protect users and general public from harmful radiofrequency emissions.
- To ensure that telecom equipment complies with the relevant national and international regulatory standards and requirements.
- To ensure security of the state.



COMMON PROBLEMS DUE TO LACK OF C&I

for Brunei Darussalam



1

Reliance on International Standards

- International harmonized standard (ETSI)

2

Difficulties on Issuance of certification

- Understanding module certification

3

No local test lab

- Refer to certification test lab (17025) accreditation

4

Lack of expertise

5

CONFORMITY ASSESSMENT PROCESSES

for Brunei Darussalam



- Telecommunication equipment categorized into three (3) equipment levels
- These levels relates to the risk associated with non-compliance with an applicable technical standard(s)
- Each level has different process of approval (for efficiency purposes)

LEVEL

1

Devices whose non-compliance would have a **low risk** of causing interference to other devices using the radio frequency spectrum and the telecommunications network

LEVEL

2

Devices whose non-compliance would have a **moderate risk** of causing interference to other devices using the radio frequency spectrum and the telecommunications network

LEVEL

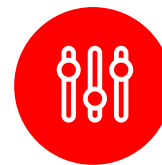
3

Devices whose non-compliance would have a **high risk** of causing interference to other devices using the radiofrequency spectrum and telecommunications network or **adverse consequences** to personal safety

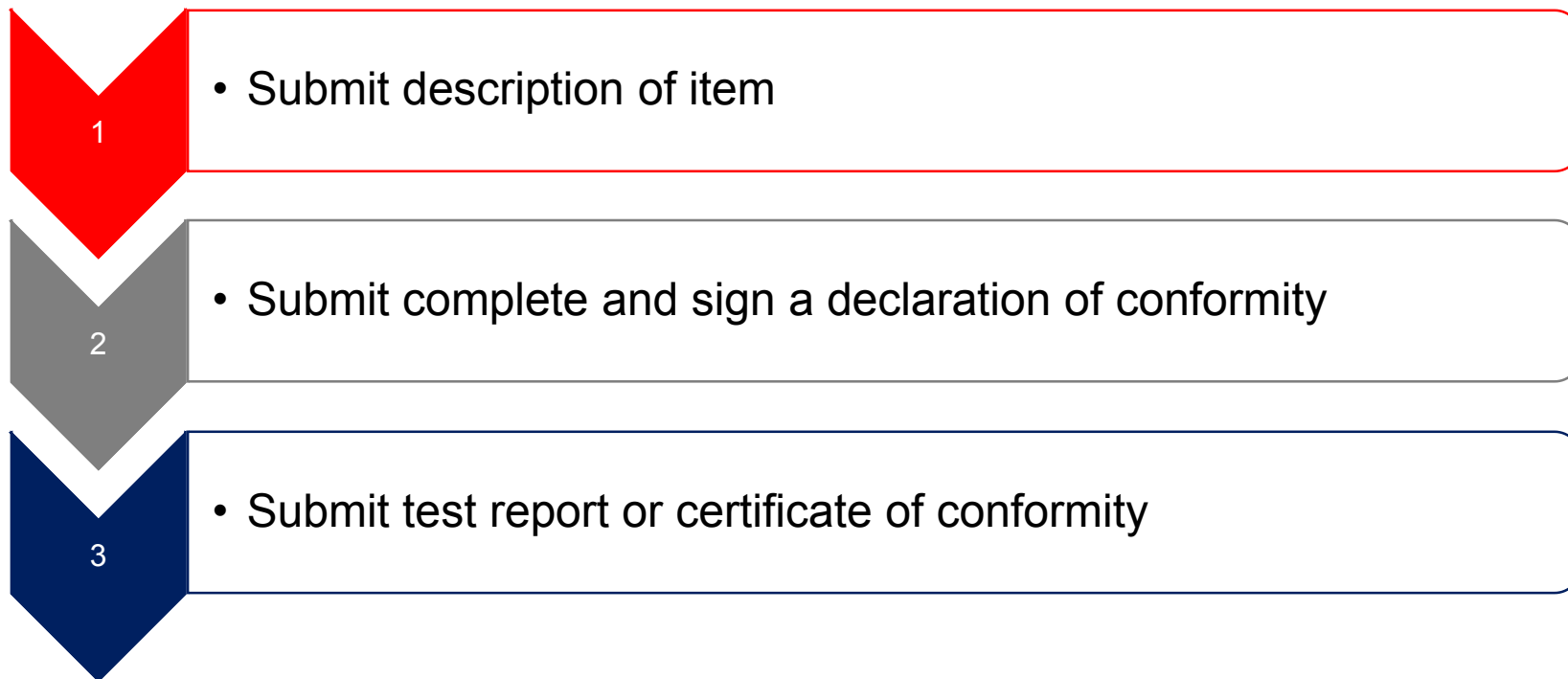


ICT REFERENCE STANDARDS

Practiced in Brunei Darussalam



In registering the telecommunication / ICT equipment, applicants must comply with the equipment registration process for further evaluation:



Test report evaluation based on ETSI or (17025) accreditation.

INSTITUTIONS



Responsible for C&I activities for Telecommunication / ICT equipment

Type Approval Unit

- To facilitate and regulate the sale and import of telecommunications equipment and to make sure the equipment is safe to be used

Monitoring Unit

- To ensure frequency assigned to licence user are not interfered
- To solve interference case using monitoring equipment

Enforcement Unit

- Ensuring compliance with:
 - Telecommunication Order, 2001
 - Processes and procedure set by AITI
 - Market surveillance
 - Joint operation with other enforcement agencies

VISION OF THE FUTURE

For Brunei Darussalam



Conductive ICT environment

Providing a conducive ICT environment to promote innovative and vibrant ICT industry that will enrich quality of life and propel the nation forward



Local C&I system

Develop Brunei's own standardization process & certification system

Ensure the standards used are aligned with industry standards for infrastructure and network deployment



Local C&I capabilities

Build local capabilities and capacity for ensuring proper conformity assessments can be made



Adopt new technologies

Introduce Supervision and Conformity Assessment Principles for New Technology



AITI

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Technology
Industry of Brunei Darussalam

THANK YOU

FOR YOUR KIND ATTENTION

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