**DECREE OF THE MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY OF THE REPUBLIC OF INDONESIA**

**NUMBER :37 YEAR 2012**

**ON**

**TECHNICAL REQUIREMENTS OF TOOLS AND EQUIPMENT OF *STUDIO TRANSMITTER LINK* FOR THE NEED OF BROADCAST RADIO**

**BY THE GRACE OF GOD THE ALMIGHTY**

**MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY OF THE REPUBLIC OF INDONESIA,**

Considering: a. that in accordance with the provision of Article 7 of the Government Regulation of the Republic of Indonesia Number 52 Year 2000 on Provision of Telecommunication which states that any telecommunication tools and equipment manufactured, assembled, imported for trade and / or used in the territory of the

Republic of Indonesia shall comply with technical requirements;

b. that based on consideration referred to in point a, it is considered necessary to issue a Decree of the Minister of Communication and Information Technology on Technical Requirements of Tools and Equipment of *Studio Transmitter Link* for the Need of Broadcast Radio.

Bearing in mind: 1. Law of the Republic of Indonesia Number 36 Year 1999

on Telecommunication (State Gazette of the Republic of

Indonesia Number 154 Year 1999, Supplement to the State

Gazette of the Republic of Indonesia Number 3881);

2. Government Regulation of the Republic of Indonesia Number 52 Year 2000 on Provision of Telecommunication (State Gazette of the Republic of Indonesia Number 107 Year 2000, Supplement

to the State Gazette of the Republic of Indonesia Number 3980);

3. Decree of the President of the Republic of Indonesia Number 47 Year 2009 on Formation and Organization of State Ministries of the Republic of Indonesia as amended several times, the latest by the Decree of the President of the Republic of Indonesia Number 91 Year 2011 on Third Amendment to the Decree of the President of the Republic of Indonesia Number 47 Year 2009 on Formation and Organization of State Ministries of the Republic of Indonesia;

4. Decree of the President of the Republic of Indonesia Number 24 Year 2010 on Positions, Duties, Functions of State Ministries of the Republic of Indonesia and Organizational Structure, Duties, and Functions of Echelon I of State Ministries of the Republic of Indonesia , as amended several times, the latest by the Decree of the President of the Republic of Indonesia Number 92 Year 2011 on Second Amendment to the Decree of the President of the Republic of Indonesia Number 24 Year 2010 on Positions, Duties, and Functions of State Ministries of the Republic of Indonesia and Organizational Structure, Duties, and Functions of Echelon I of State Ministries of the Republic of Indonesia;

5. Decision of the Minister of Communication Number KM. 3 Year 2001 on Technical Requirements of Telecommunication Tools and Equipment;

6. Decree of the Minister of Communication and Information Technology Number 03/PM.Kominfo/5/2005 on Adjustment of Nomenclatures of a Number of Decisions/Decrees of the Minister of Communication which Regulate Special Material Contents in the Field of Post and Telecommunication;

7. Decree of the Minister of Communication and Information Technology Number 29/PER/M.KOMINFO/09/2008 on Certification of Telecommunication Tools and Equipment;

8. Decree of the Minister of Communication and Information Technology Number 17/PER/M.KOMINFO/10/2010 on Organization and Work Method of the Ministry of Communication and Information Technology;

9. Decree of the Minister of Communication and Information Technology Number 26/PER/M.KOMINFO/12/2010 on Planning and Usage of Radio Frequency Band (Band Plan) at Frequency of 300 MHz for Conventional Radio Communication System and *Studio Transmitter Link;*

10. Decree of the Minister of Communication and Information Technology Number 15/PER/M.KOMINFO/06/2011 on Adjustment of Nomenclatures of a Number of Decisions/Decrees of the Minister of Communication and Information Technology which Regulate Special Material Contents in the Field of Post and Telecommunication and Decisions/Decrees of the Director General of Post and Telecommunication.

**DECIDES**

**To issue**: **DECREE OF THE MINISTER OF COMMUNICATION AND**

**INFORMATION TECHNOLOGY ON** **TECHNICAL REQUIREMENTS OF TOOLS AND EQUIPMENT OF *STUDIO TRANSMITTER LINK* FOR THE NEED OF BROADCAST RADIO**

Article 1

Tools andequipment of *Studio Transmitter Link* for the need of broadcast radio shall comply with technical requirements referred to in the Attachment which is an inseparable part of this MinisterialDecree.

Article 2

The implementation of testing of *Studio Transmitter Link* equipment for the need of radio broadcast shall follow the guidance of technical requirements referred to in the Attachment which is an inseparable part of this Ministerial Decree.

Article 3

This Ministerial Decree shall come into force on the date of its promulgation..

In order to make known to every body, instruct the promulgation of this Ministerial Decree by placing it in the State Announcement of the Republic of Indonesia.

Done at: JAKARTA

On : November 26, 2012

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**MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY OF THE REPUBLIC OF INDONESIA**

Signed

**TIFATUL SEMBIRING**

Promulgated at Jakarta

On December 3, 2012

MINISTER OF LAW AND HUMAN RIGHTS

OF THE REPUBLIC OF INDONESIA

Signed

AMIR SYAMSUDIN

STATE ANNOUNCEMENT OF THE REPUBLIC OF INDONESIA YEAR 2012 NUMBER 1204

For copy conform to the original

Ministry of Communication and Information Technology,

Head of Bureau of Legal Affairs,

Signed

D. Susilo Hartono

ATTACHMENT

DECREE OF THE MINISTER OF COMMUNICATION AND

INFORMATION TECHNOLOGY OF THE REPUBLIC OF INDONESIA

NUMBER 37 YEAR 2012

ON

TECHNICAL REQUIREMENTS OF TOOLS AND EQUIPMENT OF *STUDIO TRANSMITTER LINK* FOR THE NEED OF RADIO BROADCAST.

Scope of technical requirements of *Studio Transmitter Link* (STL) equipment comprises :

CHAPTER I : General Provisions (definition, configuration, and abbreviations);.

CHAPTER II : Technical Requirements (operation requirement, electrical safety

and health and EMC requirements);

CHAPTER III : Testing (testing implementation, method of sampling, and test

method).

**CHAPTER I**

**GENERAL PROVISIONS**

1. **Definition**

*Studio Transmission Link* hereinafter referred to as STL is a communication from point to point which connects broadcasting station (studio) of a broadcasting institution by means of transmitter and / or transmission means (*transmitter*) to channel broadcast

2. **Configuration**

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**Radio**

**Station**

**Figure 1: Configuration of Studio Transmitter Link**

3. **Abbreviations**

KHz : *Kilo Hertz*

MHz *: Mega Hertz*

STL : *Studio Transmitter Link*

**CHAPTER II**

**TECHNICAL REQUIREMENTS**

**1. Operation Requirement**

a. General Characteristics

* Frequency of operation : 324-328.6 MHz and 348 – 350 MHz
* Transmission System : TDD
* Bandwidth : 150 KHz
* Modulation : F3
* Deviation : ± 50 KHz
* Spurious Emissions : 60 dB below carrier
* RF Output Power : maximum 30 W
* Frequency Stability : maximum 0.01 ppm

b. Power Supply

Equipment must work well with alternating current voltage condition :

110 / 220Vac ± 10%, 50 / 60 Hz.

c. Environmental Condition

* Temperature : - 10o C + 50o C
* Humidity : maximum 95%

d. Protection System

Equipment must have a protection system, among other things:

1) excess current safeguard;

2) excess voltage safeguard;

e. Alarm Indicator

Has alarm facility that can detect the occurrence of :

1) disturbance to power supply unit;

2) indicator for the activities and disturbance of every interface.

**2. Electrical Safety and Health, and *Electromagnetic Compatibility* (EMC) Requirement**

Equipment must comply with :

a) Electrical safety and health requirement in accordance with IEC 60950-1International Standard or equivalent standard;

b) E*lectromagnetic Compatibility* requirement in accordance with CISPR 22.

**CHAPTER III**

**TESTING**

**1. Testing Implementation**

Testing of tools and equipment of *Studio Transmitter Link* is implemented by Test Offices that have obtained accreditation from authorized institution and designated by Directorate General of Resources and Equipment of Post and Information Technology.

2. **Sampling Method of Tested Material**

Sampling method of tested material is done at random according to test procedure based on legal regulation.

**3. Test Method**

Test method used is in accordance with the *Standard of Operating Procedure* of the respective Test Offices.

**MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY OF THE REPUBLIC OF INDONESIA,**

Signed

**TIFATUL SEMBIRIN/**