



Suruhanjaya Komunikasi dan Multimedia Malaysia  
Malaysian Communications and Multimedia Commission

# Guidelines for Trial, Experimental & Demonstration Systems

(SKMM/G/05/09)

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**Notice:**

*The information contained in this document is intended as a guide only. For this reason it should not be relied on as legal advice or regarded as a substitute for legal advice in individual cases. Parties should still refer to the legislative provisions contained in the law. This document will supersede the Guideline of Trial System with updated content.*

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## 1.0 BACKGROUND

- 1.1 The Suruhanjaya Komunikasi dan Multimedia (SKKM) has received many requests and applications from licensees and potential licensees, as well as potential users from among them government, corporate, business and educational users to conduct field trials, technical trials and commercial trials on new systems, equipment and applications.
- 1.2 The trials for licensees to introduce new systems, equipment or applications have been undertaken even before the establishment of SKMM, i.e. during the earlier regulatory regime.
- 1.3 For instance, the trials for IMT-2000 and DTTB systems and their applications were undertaken in 1991 and both the licensees and non-licensee were granted permission to import their equipment and devices for demonstration during exhibitions or conferences or during their own showcasing events. In all these cases, they were given "Special Approval" from SIRIM or a registered certifying agency as stated under **Regulation 21 of the Communications and Multimedia (Technical Standards) Regulations 2000**.
- 1.4 For all the above purposes, temporary Apparatus Assignment (AA) were issued by SKMM following the **Communications and Multimedia (Spectrum) Regulations 2000**. The Apparatus Assignment (AA) durations will be between 3 months to one year, with the possibility of extension upon agreement by the various parties involved.

## 2.0 DEFINITION

### 2.1 Definition of Experimental System

Experimental system means experimentation of a particular system or product over a specific period of time and confined to [a] specific laboratory environment (indoor).

### 2.2 Definition of Demonstration System

Demonstration system means demonstration of a particular system or product for exhibition purpose over a specific period of time and confined to [a] specific and limited geographic location[s]

### 2.3 Definition of a Trial System

"Trial System" means an evaluation of a particular system or product over a specific period of time and confined to [a] specific and limited geographic location[s].

The term "trial" may also be applied to cases of the installation of equipment or systems for experimentation for the purpose of research and development outside of the laboratory environment and, for continuous review or assessment of technical performance or behaviour parameters of systems (e.g. transmission system) by manufacturers or vendors. These will however be confined to its limited activities, geographic location[s], the number or users involved and shall not be for commercial purposes. Where frequencies are involved, these shall be subject to the Spectrum Plan and Regulations and the conditions applied from time to time for the interim or temporary issuance of frequency under the AA procedure.

### 3.0 DESCRIPTION

#### 3.1 Criteria for a Trial, Experimental and Demonstration Systems

A trial, experimental and demonstration systems could be considered under each of these categories:

- (a) For the benefit of “national interest” as stated in **Communications and Multimedia Act 1998 (Act 588)**.
- (b) For the benefit of users or the people.
- (c) For strategic business decision and implementation.
- (d) For consumer education, orientation and feedback.
- (e) For technology orientation, research and development.

A similar task or activity shall not be implemented within the same geographic area that has an existing system of the same nature, unless there are critical and strategic reasons to support the subsequent application[s]. Each application of a trial will need to specify the criteria as listed above and its justifications.

#### 3.2 Purposes of a Trial, Experimental and Demonstration Systems.

A trial, experimental and demonstration systems may be conducted for the purposes of:

(a) Field or Technical (Trial)

A field or technical trial will concentrate largely on the areas of technical operation and performance of a system or product as well as the technical assessment of the technology. This will cover aspects such as compatibility, interoperability, safety, compliance to standards and engineering and network operational practices, as well as other related aspects.

(b) Pilot Study (Trial)

A pilot study (trial) may encompass evaluating all-round aspects of a system or product and is normally conducted with an offering for trial to a select group of users. The select audience will evaluate services offered by the trial within the time period determined

(c) Commercial (Trial)

A commercial trial will involve commercial issues and may incur all or any of these commercial levies or charges, as mutually agreed for the trial: usage or recurring charges and billing, installation and commissioning costs, or rental of equipment, over the period of time where the trial is being conducted.

(d) Research and Development

Trials and experimental systems could also be conducted for the purpose of research and development (R&D). These trials might be conducted either by individuals or organizations, like government, universities, research establishments, companies, trade associations or learned societies. Sufficient justification will need to be provided for trials for R&D purposes.

(e) Showcase, Testing of Applications and Contents

Trials, experimental and demonstration systems could also be conducted for showcase to test new applications and contents on an existing system or product.

3.3 **Duration of the trial, experimental and demonstration systems**

Duration of Trial System

The duration period can be from **3 months** up to **1 year**.

(a) *Short term*

The maximum trial period shall be three (3) months.

For a short term trial, the trial period may be extended based on the evaluation and discretion of SKMM and each extension period shall not exceed three (3) months.

(b) *Long term*

The maximum trial period shall be twelve (12) months

For a long term trial, the trial period may be extended based on evaluation and discretion of SKMM and each extension period shall not exceed six (6) months.

Note: For all extensions applied, consideration for an extension of an assignment under this category can only be made upon receiving and evaluating the submission of the status report of the trial for the preceding period and the justifications given for the requirement of extension.

Duration of Experimental and Demonstration Systems

For experimental purpose the duration shall be based on applicant's requirement. While for demonstration purposes, the assignments period shall be based on the exhibition or conference period.

For application with the duration of less than 3 months, SKMM shall issue the validity period based on the usage period proposed by the applicant of SKMM. However the fee charged shall be for a minimum period of 3 months as prescribe in **Table B of the First Schedule of Communication and Multimedia (Spectrum) Regulations 2000**.

## 4.0 PROCESS

### 4.1 Application Procedures

(a) All applications shall be made to the:

**Pengerusi  
Suruhanjaya Komunikasi dan Multimedia Malaysia  
Off Pesiaran Multimedia  
63000 Cyberjaya, Selangor  
MALAYSIA**

(b) All applications shall be accompanied by a cover letter and relevant supporting documents including:

- Trial objective
- Location
- Equipment technical specification
- Network configuration
- Coverage map (not applicable for demo and experimental)
- Trial schedule and time line
- Sampling size and category (for commercial trial)
- Data collection method (for commercial trial)

(c) All Apparatus Assignment applications shall be accompanied with the specified applications fees (for processing and administration). Payment can be made through:

- i. Cheque, Money Order or Postal Order;  
Made payable to the 'Suruhanjaya Komunikasi dan Multimedia Malaysia'.
- ii. SKMM e-Payment;  
Make online payment via credit cards and auto-debit through e-payment website: <http://epayment.skmm.gov.my>. Only applicable for payment of assignment fee notice.

### 4.2 Approval procedures

All applications shall be subjected to the approval of the SKMM. If the system involves the use of frequencies, approval shall be accompanied with an Apparatus Assignment approval. The issuance of the Apparatus Assignment shall be based on the type of apparatus and the nature of service in accordance with the **Spectrum Regulations (2000)**.

For all applications, equipment or product shall obtain the 'SPECIAL APPROVAL' from SKMM or a registered certifying agency wherever applicable as stated under **Regulation 19 of the Communications and Multimedia (Technical Standards) Regulations 2000**. Apparatus Assignment certificate for trial will only be issued once the equipment is ready and properly installed.

For trial system, SKMM shall witness the commissioning of the equipment prior to the issuance of the Apparatus Assignment certificate.

#### 4.3 Categories of applicants

Applicants will need to specify their licensee status such as Network Facility Provider (NFP), Network Service Provider (NSP), Application Service Providers (ASP) or Content Application Service Provider (CASP) or their personal or organization status or categories, such as individuals, vendors, manufacturers, R&D bodies, as mentioned under **Communications and Multimedia (Licensing) Regulations 2000**.

#### 4.4 Reporting of Status/Progress of a Trial

- (a) For the purposes of effective evaluation of a trial in conduct, the trial shall be subjected to regular reporting on the status or progress to the SKMM throughout the trial period. This may be in the form of monthly reports or a periodic report, according to the time interval and format agreed to by SKMM.
- (b) A final report, that will cover the whole trial activity and period is required to be submitted at the end of the trial period. This report will detail, inter alia, the findings, the issues and problems and their resolutions, the benefits obtained and the proposals for the next steps.
- (c) The report shall consist of additional trial result and trial outcome or findings.

#### 4.5 Participation of SKMM Personnel in Trials

All trials shall allow for the participation of SKMM personnel, if required, according to mutually agreed principles and terms and according to the necessity for participation in line with the purposes of the trial and the functions of SKMM with respect to the **Communications and Multimedia Act 1998 (Act 588)** and the related Regulations.

#### 4.6 General

##### (a) Frequencies

Frequencies required for the utilization of the trial shall only be used upon requested by the applicant and approval by the SKMM.

##### (b) Technologies/Standards

Applicants for trials are required to advise the SKMM on the technology [ies] and standard[s] involved in the proposed trial.

##### (c) Interference/Monitoring

Any issues pertaining to potential and harmful interference and that require monitoring shall be advised to the SKMM in advance. The SKMM will be monitoring form time to time during the trial period for any possible interference generated by the trial.

(d) Issues upon completion of a trial

Any relevant issues upon completion of a trial shall be highlighted to the SKMM for the purpose of further evaluation. The completion of a trial and the reception, deliberation and acceptance of the trial results by the SKMM shall not be interpreted or construed as an approval by the SKMM for the trial applicant to proceed with the provision of commercial service, where licensing is involved, or the continued usage of the frequency(ies) granted for the trial.

All applicants will be subjected, where applicable, to provisions of the **Communications and Multimedia Act 1998 (Act 588)** for the commercial operation of network and provision of service.

(e) Cessation of Transmission and Termination of Trial Activities.

All trial activities and transmission on frequencies, where applicable, shall be ceased upon expiry of the trial period, if extensions are not granted.

## Trial, Experimental and Demonstration System Flow Chart

