



COMMUNICATIONS AND MULTIMEDIA ACT 1998

**COMMISSION DIRECTION ON THE IMPLEMENTATION OF ENHANCED
AUTOMATED LOCATION IDENTIFICATION (ALI) SYSTEM FOR MALAYSIAN
EMERGENCY RESPONSE SERVICES (MERS) 999 SYSTEM UNDER THE
REQUIRED APPLICATIONS SERVICES**

Direction No 1 of 2015

In exercise of the powers conferred by Sections 51, 193(2) and 194 of the Communications and Multimedia Act 1998 [Act 588] (the 'Act'), the Commission issues the following direction:

Citation and Commencement

1. This Direction may be cited as the Commission Direction on the implementation of Enhanced Automated Location Identification (ALI) system for Malaysian Emergency Response Services (MERS) 999 system, Direction No 1 of 2015.
2. All other provisions as contained in the Commission Direction on Provision of Emergency Services under the Required Applications Services, Direction No 1 of 2010 dated 12 October 2010, shall remain unchanged and continue in full force and effect.
3. This Direction will come into operation on the date of registration of this Direction.

Interpretation

4. In this Direction, unless the context otherwise requires-

Designated Network Service Provider refers to relevant network service provider individual licence holders which provide network services to the relevant applications service providers as determined by the Minister under section 193(1) of the Act.

Enhanced Automated Location Identification (ALI) system is the enhancement of the existing ALI system and improves the accuracy of the location of the emergency caller.

Enhanced Cell ID provides the next-level of accuracy over Cell ID through the use of Radio Frequency parameters such as Timing Advance (TA) to estimate a position within the cell-sector.

Malaysian Emergency Response Services (MERS) 999 means the end to end system which involves receiving emergency calls from the public by the Response Centre and dispatching the said emergency calls together with relevant data in relation to the emergency to the Dispatch Centres for immediate response and action.

Wireless Location Signature is a solution enabling enhanced mobile phone location determination capabilities in the network incorporating signal measurements from 2G, 3G and 4G air interfaces.

Designated Network Service Provider subject to this Direction:

5. This Direction shall apply to the Designated Network Service Provider.

Implementation of the Enhanced Automated Location Identification System

6. To improve the accuracy of the location of the emergency callers, the Automated Location Identification (ALI) of the Malaysian Emergency Response Services (MERS) 999 shall be enhanced with the Wireless Location Signature and the Enhanced Cell ID technologies.

7. In implementing the Enhanced ALI system, the Designated Network Service Provider shall ensure compliance to the External Interface Specification (EIS) document or any other document made under it from time to time.

Designated Network Service Provider Obligation:

8. Each Designated Network Service Provider shall:
 - (i) ensure network connectivity with MERS 999 in relation to the implementation of the Enhanced Automated Location Identification (ALI) system.
 - (ii) adhere to the interfaces and the applicable procedures to ensure proper operation of the Enhanced Automated Location Identification (ALI) system. The interface and procedures used shall be based on industry standards that govern the interworking between entities adopted by international organizations and other relevant international bodies such as International Telecommunication Union Telecommunication Standardization Sector (ITU-T) , 3rd Generation Partnership Project (3GPP), Internet Engineering Task Force (IETF) and World Wide Web Consortium (W3C).
 - (iii) execute preparatory changes to ensure their network adapts to the Enhanced Automated Location Identification (ALI) system.

Cost of the Enhanced ALI System:

9. The cost to provide the relevant interfaces in order to facilitate the implementation of the Enhanced Automated Location Identification (ALI) system shall be borne by the Designated Network Service Provider.

Inspection and Audit:

10. The Designated Network Service Provider shall at all times provide access to the relevant records and systems for the Commission to inspect and/or audit in order to ensure compliance with this Direction.

Variation

11. The Commission may at any time modify, vary or revoke this Direction.

Made: 6 March 2015



DATO' SRI DR. HALIM BIN SHAFIE
Chairman
Malaysian Communications and Multimedia Commission