



Suruhanjaya Komunikasi dan Multimedia Malaysia
Malaysian Communications and Multimedia Commission

COMMUNICATIONS AND MULTIMEDIA ACT 1998 (ACT 588)
COMMISSION DIRECTION ON ADOPTION OF INTERNET PROTOCOL VERSION 6 (IPv6) IN
MALAYSIA

Direction No. 2 of 2015

In exercise of the powers conferred by Section 51 of the Communications and Multimedia Act 1998 ("Act") and Amendment Notice No. 2 of 2015 of Part B-Section III Sub-Section 10 of the Numbering and Electronic Addressing Plan ("NEAP"), the Commission issues the following direction:

Citation and Commencement

1. This Direction may be cited as the Commission Direction to ensure adoption of Internet Protocol version 6 (IPv6) in Malaysia, Direction No. 2 of 2015.
2. This Direction will come into force on the date of registration of this Direction.

Interpretation

3. The terms referred in this Direction shall have the same meaning as defined in the Act, its subsidiary regulations and NEAP, unless the context requires otherwise.

Internet Protocol Address (IP Address) means a 32-bit (version 4) or 128-bit (version 6) number used to identify interfaces in the Internet;

Internet Protocol version 4 or (IPv4) which uses 32 bit addresses and is the current version of the Internet Protocol;

Internet Protocol version 6 or (IPv6) which uses 128 bit addresses and is designed to replace and enhance Internet Protocol version 4;

Network Service Provider means a person who provides network services; and

Access Applications Service means a network service which enables a customer to access an applications service provided over a network.

Unless the context requires otherwise, words denoting the singular shall include the plural and vice-versa.

Network Service Providers subject to this Direction

4. This Direction shall apply to all Network Service Providers.

Network Service Providers' Obligations

5. Each Network Service Provider shall:

- (i) ensure that an access application service is IPv6 capable;
- (ii) assign each customer with a unique public IPv4 Address and/or unique public IPv6 Address;
- (iii) ensure that the email, web and Domain Name System (DNS) servers that provide services to customers are IPv6 capable; and
- (iv) ensure clauses 5 (i), (ii) and (iii) shall be complied by **30 June 2015**.

Cost of IPv6

6. The Network Service Providers shall bear its own cost to become IPv6 capable.

Inspection and Audit

7. For the purpose of ensuring compliance with this Direction, the Network Service Providers shall make available such records as may be requested by MCMC for inspection.

Variation

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

Made: 27 FEB 2015



DATO' SRI DR. HALIM SHAFIE
Chairman

Malaysian Communications and Multimedia Commission