

LEGISLATIVE SITUATION IN MALAYSIA

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BACKGROUND

- ❖ There were public concerns over the health effects of base station with increasing mobile phone use since the 1990s.
- ❖ A NIR unit was set up in MOH to study the health effects in 1996



Standards

- The first Malaysian Standard, Part 1 for Controlling Exposure to Time Varying Electric, Magnetic and Electromagnetic Fields (Part 1: up to 3 kHz) is awaiting approval.

3 kHz to 300 GHz

- The draft document for Part 2 comprising 3 kHz to 300 GHz was completed by the technical committee and is awaiting public comments.

EXISTING ACTS

- In Malaysia, MCMC is the regulatory agency that governs the telecommunications industry via the Communications and Multimedia Act 1998 (Act 588).
- The energy industry is governed by the Energy Commission (EC) using the Electricity Supply Act 1990 and the Electrical Supply Regulations 1993

The Ministry of Housing and Local Government

- has endorsed two guidelines on the physical siting of mobile phone base stations or high power transmission lines.
- These are the Electricity Distribution Base Planning Standard and the Planning Guidelines on Telecommunication Transmission Structures and Base Stations.

At Present

- The Malaysian Government is adopting the precautionary approach to EMF exposure as recommended by the World Health Organisation (WHO) to manage any perceived health risks.
- Malaysia continues to adopt the International Commission on Non-Ionizing Radiation Protection (ICNIRP) standards for exposure limits.

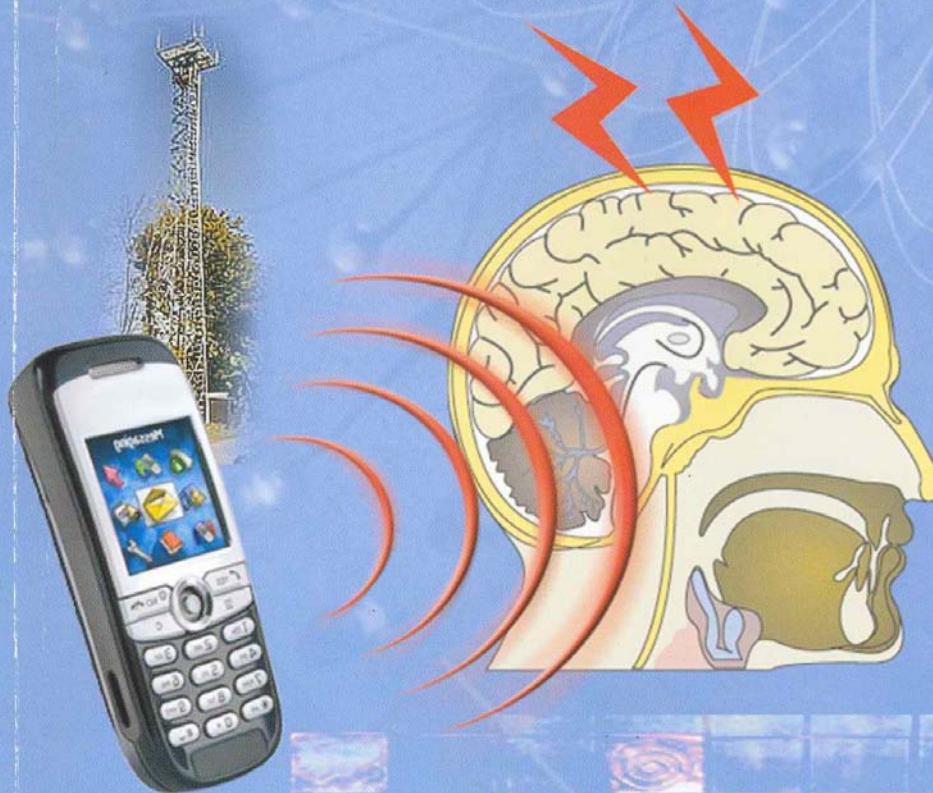
Precautionary Measures

- Restricting the construction and installation of mobile phone base station(s) in hospital and school compounds;
- Prohibiting the use of mobile phone(s) in the critical areas of hospitals;

Guidance Booklet

Guidance to Safety and Health Aspects of Base Stations and Mobile Phones

GUIDANCE TO SAFETY AND HEALTH ASPECTS OF BASE STATIONS AND MOBILE PHONES



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Cawangan Keselamatan Sinaran

COMMITTEE

- **Engineering Services Division, MOH - *Chairman***
- **Malaysian Communication and Multimedia Commission (MCMC)**
- **Malaysian Nuclear Agency (Nuclear Malaysia)**
- **Ministry of Housing and Local Government (MHLG)**
- **Malaysian Technical Standards Forum Berhad (MTSFB)**
- **National Institute of Occupational Safety & Health (NIOSH)**
- **Standards Users, Standards Malaysia**
- **SIRIM Berhad**
- **Universiti Malaya (UM)**
- **Universiti Teknologi Malaysia (UTM)**
- **Universiti Tenaga Nasional (UNITEN)**

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REFERENCES:

World Health Organization (WHO)

<http://www.who.int/peh-emf/>

Health Protection Agency - UK

http://www.hpa.org.uk/radiation/understand/radiation_topics/emf/index.htm

**ICNIRP - International Commission on Non-Ionizing
Radiation**

<http://www.icnirp.de/>

**Australian Radiation Protection and Nuclear Safety
Agency**

<http://www.arpansa.gov.au/mobilephones/index.cfm>

Other Concerns

- There is concern on the possibility of electromagnetic interference (EMI) to medical equipment in critical areas from the rapid development of telecommunication and wireless networking technology.
- The MOH in collaboration with the Malaysian Nuclear Agency is conducting site measurements in order to ensure the radiation level is below the recommended value

Conclusion

The prepared standards have to be reviewed again to keep pace with the latest ICNIRP revisions.