Our Ref: OM-LA/024

Alpha
Consulting Engineers Pte Ltd

2 ALEXANDRA ROAD, #03-03 DELTA HOUSE, SINGAPORE 159919
TEL: (65) 6276 2228 FAX: (65) 6276 9929 E-MAIL: ace@alpha.com.sg
WEBSITE: www.alpha.com.sg COMPANY REGN NO. 199407965N

8 September 2008

MEMORANDUM

To: Engineering Staff

From: Goh Soon Huat

RELEASE OF REVISED CODE OF PRACTICE FOR INFO-COMMUNICATIONS FACILITIES IN BUILDINGS 2008 ("COPIF: 2008")

IDA Singapore issued a Circular on 21 August 2008 concerning release of revised Code of Practice for Info-communications Facilities in Buildings (COPIF:2008). A copy of the Circular are attached herewith for your information.

Code of Practice for Info-communication Facilities in Buildings and Guidelines for Info-Communications Facilities in Building can also be viewed at http://intranet.alpha.com.sg/library/Code_of_Practice/COPIF2008.pdf and http://intranet.alpha.com.sg/library/Code_of_Practice/COPIFGuidelines2008.pdf respectively.

Projects that has not been granted provisional or written permission by URA before 15 September 2008 are required to comply with the new COPIF:2008;

Key changes in COPIF 2008 are:

(a) Separation of mandatory and non-mandatory requirements

The COPIF:2008 document only includes mandatory requirements (e.g. MDF rooms, risers etc) for compliance. The optional or non- mandatory requirements (e.g. PABX rooms, public telephone booths, etc) have been moved to the "Guidelines For Info-communications Facilities in Buildings".

(b) Reference based on types of building developments

The COPIF:2008 is structured in accordance with the types of building developments. The space and facilities required to be provided for a certain type of building development, e.g. a multi-storey residential building, are specified within a chapter so that the building developers or owners will not inadvertently omit any of the required provisions.

(c) Provision for Next Generation National Broadband Network (NGNBN) Requirements

With the new NGNBN requirements, there is no major changes to the existing dimensions of MDF rooms, telecommunication equipment rooms, or telecommunication risers in buildings. However, additional wiring and cable distribution system are requirements to facilitate NGNBN rollout are as follows:

2/...

BCA
ISO 9000
CERT. NO.: 324
SS ISO 9001 : 2000

For landed-dwelling houses:

i) provide one empty 50 mm diameter underground uPVC pipe (or conduit) from the utility room (or closet) to a point beyond the road-side drain. The pipe in the utility room (or closet) shall be terminated with an empty box on a wall with a blank face plate;

ii) a minimum installation of one Unshielded Twisted Pair ("UTP") Category 6 cable from a wall mounted RJ45 outlet in a utility room (or closet) to a wall-mounted RJ45 outlet at the living room or a bed room to facilitate deployment of Ethernet-to-the-home for high-speed broadband services; and

iii) one electrical 13A switched socket outlet (i.e. power point) at the location where the empty 50mm underground uPVC pipe (or conduit) is terminated. The outlet shall be for the purpose of providing electrical power supply to the customer's premises equipment.

For multi-storey residential buildings:

i) one empty 20 mm diameter conduit in straight run from the telecommunication riser to each residential unit (preferably located in the utility closet). The empty conduit will be terminated with an empty box on a wall with a blank face plate;

ii) a minimum installation of one UTP Category 6 cable with a wall-mounted RJ45 outlet from the location where the empty 20mm conduit is terminated to a wall-mounted RJ45 outlet at the living room or a bed room to facilitate deployment of Ethernet-to-the-home for high-speed broadband services; and

iii) one electrical 13A switched socket outlet (i.e. power point) at the location where the empty 20mm conduit is terminated. The outlet shall be used for providing electrical power supply to the customer's premises equipment.

GOH SOON HUAT

cc TLS/RT/LCT/CCG/LFY
cc Memo File

enc

GSH/kt

INFOCOMM DEVELOPMENT AUTHORITY OF SINGAPORE
8 Temasek Boulevard #14-00 Suntec Tower Three Singapore 038988
Tel (65) 6211 0888 Fax (65) 6211 2116 Website: www.ida.gov.sg

iDA SINGAPORE

IDA Reference: IDA.INTC.93.0001/HS

21 August 2008

To: Distribution List

Dear Sir / Madam

RELEASE OF REVISED CODE OF PRACTICE FOR INFO-COMMUNICATIONS FACILITIES IN BUILDINGS 2008 ("COPIF:2008")

1. IDA had conducted a public consultation in November 2007 to solicit feedback from the industry, building developers and telecommunication system licensees on the proposed revisions to the Code of Practice for Info-communications Facilities in Buildings 2000 and its addendums ("**COPIF:2000**"). Following the public consultation, IDA has completed its review of the COPIF:2000. Amongst other changes, IDA has incorporated additional requirements to facilitate the rollout and deployment of the Next Generation National Broadband Network infrastructure into buildings.

2. IDA intends to release the COPIF:2008 together with its corresponding Guidelines For Info-communications Facilities in Buildings ("**Guidelines**") on 21 August 2008. These documents may be downloaded from IDA's website at:

   http://www.ida.gov.sg >> Policy & Regulation >> Codes of Practice & Guidelines >> Code of Practice For Info-communications Facilities in Buildings (COPIF)

3. For your information, the COPIF:2008 and Guidelines will come into effect on 15 September 2008. In particular, the COPIF:2008 sets out:-

   (a) the space and facilities that shall be provided by a developer or owner of a building that has been granted provisional or written permission for its construction by the Urban Redevelopment Authority on or after 15 September 2008;

   (b) the duties that shall be observed by a developer or owner in relation to the space and facilities provided in the building pursuant to the COPIF:2008 or previous codes; and

   (c) the duties that shall be observed by a licensee who deploys and operates its installation or plant within the relevant space and facilities provided.

4. IDA intends to conduct a briefing on the COPIF:2008 and the Guidelines to the developers' association and societies/institutions of professional architects/engineers in the building industry. The objective of the briefing is to highlight the key changes made to the COPIF:2000.

5. In this regard, your institution/association is cordially invited to attend the briefing which is scheduled on:

Date:	5 September 2008 (Friday)
Time:	9:45 am to 11:30 am
Venue:	IDA Multi-Purpose Hall 1 & 2 8 Temasek Boulevard #14-00 Suntec Tower 3

The programme for the briefing is enclosed for your information. In view of the capacity of the briefing venue, we would appreciate it if you could limit the number of representatives to not more than 10 persons per institution/association for this briefing.

6. To assist us in our preparation, we would appreciate it if you could forward to Mr Tan Huay San (Email: tan_huay_san@ida.gov.sg) the list of representatives by 2 September 2008. Please contact Mr Chiam Choong Juke or Mr Tan Huay San at 62111830 or 62111870 respectively, if you require more information.

Yours sincerely,

Andrew J. Haire
Deputy Director-General (Telecoms & Post)