Our Ref: OM-LA/014

11 October 1999

MEMORANDUM

To: PDs/PMs/APMs/PAs/A&A Staff

From: Tan L S

NOTES OF MEETING BETWEEN ACES/IES/PUB/POWERGRID/POWER SUPPLY

I am transmitting for your information, the Notes of Meeting between ACES/IES/PUB/ PowerGrid/Power Supply held on 20 August 1999. The next dialogue session is scheduled on 19 November 1999 and please let me know by 18 November 1999 if there is any issue you would like me to raise/clarify with PUB, Power Supply or PowerGrid.

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Tan L S

cc Notice Board

enc

/na

Notes of IES/ACES' Dialogue with PUB/PowerGrid/Power Supply

Date : 20 August 1999
Present : Tan L S

1. Clearance Distance between Switch Socket Outlet (SSO) and Water Taps at Covered Service Yard/Room

Pang Boon Kiat of Power Supply advised the following:

(a) Exposed SSO shall be at least 800mm from water tap.
(b) Protected SSO may be as close as 400m to 500mm from water tap.
(c) In all cases, the SSO must be located above the water tap.
(d) Protected SSO refers to SSO having proprietary make cover complete with gasket. No IP rating is needed as this juncture.

2. Routing Tenant's Service Cables thru Other Tenanted Areas

This is not permitted by Power Supply as under the present PUB Act, the Service Provider is responsible for this portion of cables and not the Landlord of the building concerned. Power Supply would not want to be entanled in any dispute should a mishap such as a fire occurring in other tenanted area, in which event the Landlord's letter of undertaking would not help them at all.

This problem could be resolved by locating the PowerGrid's Kwh meter to the tenancy unit concerned, in which event PowerGrid's normal requirements on locating the meter on the exterior of the unit etc. would apply.

3. Submission of Form B1 together with Form C

The portion of Form B1 related to Form C must be completed and submitted to Power Supply together with duly completed Form C when applying for power turn-on to the Consumer's main LV switchboard. There has been no change to this requirement. (See Form B1 attached.)

4. Fuses for OG Boxes

PowerGrid confirmed that the fuses will be provided by them and not the electrical contractor of the project.

5. Project Title for Submission to Power Supply and PowerGrid

(a) For a project without an official address, name of the road/street, mukim & lot nos. are to be shown.
(b) For a project already has an address, only the actual address needs to be shown.

6. One Stop Plan Submission thru CoreNet

Power Supply is now a participant but PowerGrid has yet to join.

7. Singapore Standard CP5 : 1998

Pang Boon Kiat reminded all concerned of the requirements on termination of lighting points by way of ceiling roses etc. when the new Code is implemented from 1 Jan 2000.

8. Next Dialogue Session

19 November 1999 at 2.30 pm.

cc RT/LCT
cc Notice Board

TLS/na (30/8/99)

FORM B1

INSPECTION CHECKLIST FOR CONDOMINIUMS AND MULTI-TENANTED BUILDINGS

GENERAL

LEW is required to carry out inspections on the electrical installation before arranging for turn-on of supply. The inspection checklist is to be submitted together with Form C or Form D.

The inspection is to ensure that the electrical installation is in accordance with the approved single-line drawing and PUB requirements.

PARTICULARS OF INSTALLATION

Name of Installation : _____

Address of Installation : _____

_____

Installation Licence No : _____

CHECKLIST FOR INSTALLATION INSPECTION

All boxes are to be filled. Use of "N.A." where not applicable and "NT" where not tested.

		FORM C	FORM D
1	All round clearance of the main switchboard shall be not less than 600mm and the layout of the switchroom is in accordance with the approved plan.	[ ]	
2	The switchroom door shall open outwards from the inside of the switchroom without the need to use a key.	[ ]	
3	Precaution shall be taken where any pipes such as sewerage and water pipes are run through or into the switchroom.	[ ]	
4	All switchroom requirements listed below shall be provided :-		
	(a) Fire Extinguisher	[ ]	
	(b) Rubber Mat	[ ]	
	(c) First-Aid Chart	[ ]	
	(d) Single-Line Drawing endorsed by LEW	[ ]	
	(e) Danger Signs on doors and removable panels of switchboard	[ ]	
	(f) Socket Outlets	[ ]	
	(g) Adequate Lighting	[ ]	
	(h) Cabinet for keys and Logs Book	[ ]	

		FORM C	FORM D
5	A set of incoming lights, outgoing lights or voltmeter & ammeter complete with selector switches are provided at the main switchboard.	[ ]	
6	Removable neutral links are provided adjacent to the main incoming and all outgoing 3-pole circuit breakers.	[ ]	
7	Busbar in main switchboard are adequately rated.	[ ]	
8	Protection against direct contact with accessible live parts shall be provided for the switchboard. The main incoming live terminals shall be protected by barrier of al least IP2X.	[ ]	
9	No under-voltage tripping device is used in the incoming or supply associated with lift installation.	[ ]	
10	Check DC supply and battery source, if any are in working conditions.	[ ]	
11	Check that the installation is generally in accordance with the single-line drawings.	[ ]	
12	Passageway, inside and outside the switchroom, shall be kept clear.	[ ]	[ ]
13	Check that the relay settings are not tampered with.	[ ]	[ ]
14	There is proper labelling on the switchboard for all circuits. Labelling shall be permanent & durable type. A permanent label indicating the approved load shall be affixed to the incoming panel.	[ ]	[ ]
15	Rated breaking capacity of circuit breakers are adequate at point of installation.	[ ]	[ ]
16	Proper supports are provided for all wirings or cables within the switchboard and other parts of the installation.	[ ]	[ ]
17	A proper earth bar is provided. A permanent label indicating the earth value and test date shall be affixed to the main earth bar. Check that all protective conductors are effectively connected to earth.	[ ]	[ ]
18	Proper earth electrode inspection chamber is provided and accessible. Warning notice "Safety Electrical Connection - Do not remove" is provided.	[ ]	[ ]

		FORM C	FORM D
19	Main equipotential bonding provided for all exposed conductive parts and extraneous conductive parts as necessary.	[ ]	[ ]
20	Metallic trunkings and conduits are bonded to earth and electrical continuity is effectively maintained.	[ ]	[ ]
21	Cables, conductors and CPC are correctly sized for their purposes.	[ ]	[ ]
22	Links, switches, socket outlets, joints, terminations and other accessories are in good condition.	[ ]	[ ]
23	No switch or fuse is inserted in the neutral or protective conductor unless it is required for special purpose.	[ ]	[ ]
24	Insulation resistance between the conductors and to earth at the main switchboard & other parts of the installation shall be at least 1 megaohms (for LV installation)	[ ]	[ ]
25	Polarity at switches and socket outlets are correct.	[ ]	[ ]
26	ELCB 's are provided for all lighting and socket outlet circuits in domestic units.	[ ]	[ ]
27	Check the suitability of the type of MCB 's and ELCB 's used.	[ ]	[ ]
28	Circuits to high risk areas are protected by ELCB of 30mA sensitivity. (eg children playground, garden lighting and areas which are likely to be wet.	[ ]	[ ]
29	ELCB's operate at rated tripping current.	[ ]	[ ]
30	Electrical fitting or accessory installed outdoor are suitable for outdoor use.	[ ]	[ ]

PARTICULARS OF LICENSED ELECTRICAL WORKER

Name : _____

Licence No : _____

Signature : _____

Date : _____