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Building Plan and Management Group

30 January 2014

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Dear Sir/Madam

**SUBMISSION OF AS-BUILT PLANS AND COMMISSIONING TEST REPORTS FOR LIGHTNING PROTECTION SYSTEM AT APPLICATION FOR TEMPORARY OCCUPATION PERMIT (TOP) OR CERTIFICATE OF STATUTORY COMPLETION (CSC)**

This circular is to inform the industry on the requirement to submit as-built plans and commissioning test reports for lightning protection system at the time of application for Temporary Occupation Permit (TOP) or Certificate of Statutory Completion (CSC).

**Submission of As-built Plan and Commissioning Test Report for Lightning Protection System**

2 Currently, the Professional Engineer's certificate of supervision for lightning protection system is required to be submitted during the application for TOP/CSC.

3 To ensure conformance and consistent practice among the industry on the design, installation and commissioning of the lightning protection systems, additional documentation comprising as-built plan and the commissioning test report for lightning protection systems will be required to be submitted prior to the grant of TOP/CSC. This shall take effect from **1 April 2014**.

As-Built Plan

4 The as-built plan to be submitted as one of the documents for the TOP/CSC application must show the design layout of the air-termination system and earth-termination system for every building. The plan must be endorsed by a Professional Engineer in the branch of electrical engineering (PE(Electrical)).

## Commissioning Test Report

5 In accordance with SS555, earth resistance tests and electrical continuity tests must be conducted as part of the commissioning process for the lightning protection system to ensure that the system functions properly. The PE(Electrical) shall witness the carrying out of the commissioning tests and endorse the test results which must also be submitted as one of the relevant documents for the TOP/CSC application.

### **Witnessing of Commissioning Tests for Lightning Protection System during TOP Inspections**

6 The Commissioner of Building Control may, on a random basis, select projects to witness the conduct of commissioning tests for the lightning protection systems during TOP inspections. This will be conveyed to the relevant QPs in our response to the requests for TOP inspection.

### **Clarification**

7 We would appreciate it if you could convey the contents of this circular to the members of your organisation. For clarification, you may email to [bca\\_enquiry@bca.gov.sg](mailto:bca_enquiry@bca.gov.sg) or call our hotline at 63257159.



Yours faithfully

TEO ORH HAI  
DIRECTOR  
BUILDING PLAN AND MANAGEMENT GROUP  
for COMMISSIONER OF BUILDING CONTROL

**DISTRIBUTION (via e-mail):**

President  
Institution of Engineers, Singapore (IES)  
70, Bukit Tinggi Road  
Singapore 289758  
ies@iesnet.org.sg

President  
Association of Consulting Engineers, Singapore (ACES)  
18, Sin Ming Lane,  
#06-01 Midview City  
Singapore 573960  
secretariat@aces.org.sg

President  
Real Estate Developers' Association of Singapore (REDAS)  
190 Clemenceau Avenue  
#07-01 Singapore Shopping Centre  
Singapore 239924  
enquiry@redas.com

President  
Singapore Contractors Association Limited (SCAL)  
Construction House  
1 Bukit Merah Lane 2  
Singapore 159760  
enquiry@scal.com.sg

President  
Singapore Institute of Architects (SIA)  
79 Neil Road  
Singapore 088904  
info@sia.org.sg

President  
Society of Project Managers (SPM)  
Macpherson Road P.O.Box 1083  
Singapore 913412  
sprojm@yahoo.com

President  
Singapore Institute of Building Limited (SIBL)  
70 Palmer Road,  
#03-09C Palmer House  
Singapore 079427  
josephine@sib.com.sg

President  
Singapore Institute of Surveyors & Valuers (SISV)  
110 Middle Road #09-00  
Chiat Hong Building  
Singapore 188968  
sisv.info@sisv.org.sg

President  
Singapore Structural Steel Society (SSSS)  
1 Liang Seah Street  
#02-11/12 Liang Seah Place  
Singapore 189022  
secretariat@ssss.org.sg

President  
Geotechnical Society of Singapore  
c/o Professional Activities Centre  
NUS Faculty of Engineering  
9 Engineering Drive 1  
Singapore 117576  
geoss@nus.edu.sg

President  
Professional Engineers Board, Singapore (PEB)  
1st Storey, Tower Block, MND Complex,  
5 Maxwell Road  
Singapore 069110  
registrar@peb.gov.sg

President  
Board of Architects (BOA)  
5 Maxwell Road  
1st Storey Tower Block, MND Complex,  
Singapore 069110  
boarch@singnet.com.sg

Director  
Protective Infrastructure & Estate  
Defence Science & Technology Agency  
1 Depot Road #03-01J  
Singapore 109679  
lcheehio@dsta.gov.sg

Deputy Director  
Project Development & Maintenance Branch  
Ministry Of Education  
1 North Buona Vista Drive  
Office Tower Level 9  
Singapore 138675  
eng\_wee\_tong@moe.gov.sg

Chief  
Health Infrastructure Project  
MOH Holdings Pte Ltd  
1 Maritime Square  
#11-25 HarbourFront Centre  
Singapore 099253  
bengthong.koh@mohh.com.sg

Director  
Best Sourcing Department  
Public Utilities Board  
40 Scotts Road #18-01  
Environment Building  
Singapore 228231  
koh\_boon\_aik@pub.gov.sg

Chief(Sports Facilities)  
Singapore Sports Council (SSC)  
230 Stadium Boulevard  
Singapore 397799  
Kenneth\_hui@ssc.gov.sg

Chief Planner  
Urban Redevelopment Authority (URA)  
45 Maxwell Road  
The URA Centre  
Singapore 069118  
Lim\_eng\_hwee@ura.gov.sg

Deputy Chief Executive  
Infrastructure & Development  
Land Transport Authority  
1 Hampshire Road  
Block 8 Level 1  
Singapore 219428  
chong\_kheng\_chua@lta.gov.sg

Deputy Director  
Project Devt & Mgt Sect 1 (C&S)  
Building Quality Group  
Housing & Development Board  
HDB Hub  
480 Lorong 6 Toa Payoh  
Singapore 310480  
hkc1@hdb.gov.sg

Director  
Engineering Planning Group  
JTC Corporation  
The JTC Summit  
8 Jurong Town Hall Road  
Singapore 609434  
chwee.koh@jtc.gov.sg

Director  
Building  
People's Association  
9 Stadium Link  
Singapore 397750  
foo\_soon\_leng@pa.gov.sg

President  
The Tunnelling and Underground Construction Society Singapore (TUCSS)  
c/o CMA International Consultants Pte Ltd  
1 Liang Seah Street  
#02-12 Liang Seah Place  
Singapore 189022  
info@tucss.org.sg

President  
Society of Rock Mechanics and Engineering Geology  
1 Liang Seah Street  
#02-12 Liang Seah Place  
Singapore 189022  
smeg@cma.sg

Director  
Procurement and Project Facilitation Department  
National Environment Agency  
40 Scotts Road #19-01  
Environment Building  
Singapore 228231  
[tan\\_kok\\_hoe@nea.gov.sg](mailto:tan_kok_hoe@nea.gov.sg)

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