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Manpower and Strategic Policy Division (#17-00)

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Dear Sirs,

IMPLEMENTATION OF BUILDING AND CONSTRUCTION AUTHORITY (REGISTRATION OF CONSTRUCTION PERSONNEL) REGULATIONS 2011 AND BUILDING CONTROL (LICENSING OF BUILDERS) (AMENDMENT) REGULATIONS 2011

This circular informs the industry of the amendments to the Building and Construction Authority (Registration of Construction Personnel) Regulations 2011 and Building Control (Licensing Of Builders) (Amendment) Regulations 2011.

Additional Construction Trades and Skills Qualifications For CoreTrade Registration

2 From **15 April 2011**, BCA has increased the number of key construction trades under CoreTrade from seven (7) to seventeen (17) (see Table below), to enable the building up of a larger pool of higher skilled and experienced workers. The table below lists the key construction trades recognized under CoreTrade.

Previous Trades	Additional Trades
1. Construction Plant Operation Works	1. Cladding and Curtain Wall Installation
2. Electrical Works	2. Glazing Works
3. Plumbing and Piping Works	3. Drywall Installation
4. Reinforced Concrete Works	4. Suspended Ceiling Installation
5. Structural Steel Works	5. Doors and Windows Installation
6. Tiling, Stone Laying and Floor Finishing Works (Formerly known as Tiling and Stone Laying Works)	6. Joinery Works
7. Waterproofing Works	7. Air-Conditioning Ducting Installation
	8. Fire Protection Works
	9. Gas Pipefitting Works
	10. Lift Installation

3 With the above enhancement, there are now a total of 48 skills qualifications recognized for CoreTrade registration. The list of recognized skills qualifications is in Annex A.

Amendments to Man-Year Deployment Requirements

4 In addition, the following two amendments will apply to construction projects for which the permits to commence structural work are submitted to BCA from **15 October 2011**:-

(a) Presently, there were 3 project categories under CoreTrade, namely (i) New Building Works, (ii) Addition and Alteration (A&A) Works and (iii) Civil Engineering (CE) Works. In recognition of the distinct manpower needs of "conventional" CE works (e.g. roads, bridges and drainage) and CE works involving MRT stations, we will be sub-dividing the category of CE Works into CE(General) and CE(MRT Station).

(b) With the expansion of key construction trades from 7 to 17, we will also be increasing the CoreTrade Man-Year (MY) deployment requirements (see Annex B for the details).

Familiarization Courses and Skills Assessments

5 Applications for registration as CoreTrade personnel may be submitted to BCA at <http://www.bca.gov.sg/CoreTrade/Reg/Main/Main.aspx>. The eligible applicant will be required to undergo a mandatory Skills Assessment. Employers can enroll their workers for the Familiarization Courses to prepare them for the Skills Assessment. From 3 May 2011, besides the BCA Academy, registration for Familiarization Courses and Skills Assessments can also be made at the BCA's Approved Training and Testing Centres (ATTCs). The contact details of the ATTCs will be available at http://www.bca.gov.sg/coretrade/registration_requirements.html

6 We are also pleased to inform you that the Workforce Training and Upgrading Scheme under the Construction Productivity & Capability Fund (CPCF) will continue to co-fund up to 80% of the cost for the Familiarization Courses and Skills Assessment. The funding details are elaborated at <http://www.bca.gov.sg/Workforce/wtu.html>.


Industry Briefings on the Enhanced CoreTrade

7 We would also like to invite you to attend any one of our briefings on the enhanced CoreTrade scheme to be held on 19th Apr 2011, 21st Apr 2011 and 27th Apr 2011. More details of the briefing sessions can be found at <http://www.bca.gov.sg/coretrade/others/replyform.pdf>.

8 I would appreciate it if you could bring to the attention of your members the contents of this circular. Please contact Mr Kenneth Lua / Mr Esmond Chee at Tel: 6325-5200 or email: bca_coretrade@bca.gov.sg if you need further clarification.

Thank you.

Yours faithfully,

A handwritten signature in black ink, appearing to be 'Neo Choon Keong', written over a diagonal line that extends from the bottom left towards the top right.

NEO CHOON KEONG
DIRECTOR, MANPOWER AND STRATEGIC POLICY DIVISION
BUILDING AND CONSTRUCTION AUTHORITY
for COMMISSIONER OF BUILDING CONTROL

ANNEX A: List of Key Construction Trades and Associated Skills Qualifications Recognised under CoreTrade from 15 April 2011

S/N	Construction Trades	Skills Qualifications
1	Construction Plant Operation	1 SEC(K), SEC, CSC or BBC in Tower Crane (Saddle Jib) Operations
		2 SEC(K), SEC, CSC or BBC in Tower Crane (Luffing Jib) Operations
		3 SEC(K), SEC, CSC or BBC in Mobile Crane Operations
		4 SEC(K), SEC, CSC or BBC in Crawler Crane Operations
		5 SEC(K), SEC, CSC or BBC in Hydraulic Excavator Operations
		6 SEC(K), SEC, CSC or BBC in Telescopic Handler Operations
		7 SEC(K), SEC or BBC in Bulldozer Operations
		8 SEC(K), SEC or BBC in Track Shovel Operations
		9 SEC(K), SEC or BBC in Excavator Loader Operations
		10 SEC(K), SEC or BBC in Bored Piling Operations
		11 SEC(K), SEC or BBC in Driven Piling Operations
		12 SEC(K), SEC or BBC in Jack-In Piling Operations
		13 <u>SEC(K), SEC or BBC in Bored Micro-Piling Operation</u>
		14 <u>SEC(K) or BBC in Jet Grout Piling Operation</u>
		15 <u>SEC(K), SEC or BBC Underground Pipe-Jacking</u>
		16 <u>SEC(K) or BBC in Tunnel Boring Machine (Earth Pressure Method)</u>
		17 <u>SEC(K) or BBC in Tunnel Boring Machine (Slurry Method)</u>
		18 <u>SEC(K), SEC or BBC in Asphalt Concrete Paving</u>
		19 <u>SEC(K) or BBC in Crawler Drill Operation</u>
2	Electrical Work	20 SEC(K), SEC or BBC in Electrical Wiring Installation
3	Plumbing and Piping Work	21 SEC(K), SEC or BBC in Plumbing and Pipefitting
		22 SEC(K), SEC or BBC in Pipefitting ¹
		23 <u>SEC(K), SEC or BBC Thermal Insulation</u>
4	Reinforced Concrete Work	24 SEC(K), SEC or BBC in Timber Formwork
		25 SEC(K), SEC or BBC in Metal Formwork
		26 SEC(K), SEC or BBC in Steel Reinforcement Work
		27 <u>SEC(K), SEC or BBC in Precast Concrete Component Erection</u>
		28 <u>SEC(K) or BBC in System Formwork Installation</u>
		29 <u>SEC(K) or BBC in Precast Kerb and Drain Laying</u>
		30 <u>SEC(K) or BBC in Aluminium Formwork</u>

¹ SEC(K), SEC or BBC in Pipefitting is recognised under 2 Construction Trades, namely *Plumbing & Piping Work* and *Structural Steel Work*.

S/N	Construction Trades	Skills Qualifications
5	Structural Steel Work	31 SEC(K), SEC or BBC in Structural Steel Fitting 32 SEC(K), SEC or BBC in Welding SEC(K), SEC or BBC in Pipefitting ¹
6	Tiling and Stone Laying Work	33 SEC(K), SEC or BBC in Tiling 34 SEC(K) or BBC in Timber Flooring
7	Waterproofing Works	35 SEC or BBC in Waterproofing
8	Cladding and Curtain Wall Installation	36 SEC(K), SEC or BBC in Cladding Installation 37 SEC(K), SEC or BBC in Curtain Wall Installation
9	Glazing	38 SEC(K), SEC or BBC in Glazing
10	Drywall Installation	39 SEC(K), SEC or BBC in Interior Drywall Installation
11	Suspended Ceiling Installation	40 SEC(K), SEC or BBC in Suspended Ceiling Installation (Acoustical) 41 SEC(K), SEC or BBC in Suspended Ceiling Installation (Fibrous Plaster)
12	Doors and Windows Installation	42 SEC(K), SEC or BBC in Doors and Windows Installation (Timber) 43 SEC(K), SEC or BBC in Doors and Windows Installation (Aluminium)
13	Joinery Works	44 SEC(K), SEC or BBC in Joinery
14	Air-Conditioning Ducting Installation	45 SEC(K), SEC or BBC in Ducting Installation for Air-Conditioning and Ventilation
15	Fire Protection Works	46 SEC(K), SEC or BBC in Fire Sprinkler Installation
16	Gas Pipefitting Works	47 SEC(K), SEC or BBC in Gas Pipefitting ²
17	Lift Installation	48 SEC(K), SEC or BBC in Lift Installation

ANNEX B: Coretrade Man-Years Deployment Requirements With Effect From 15 Oct 2011².

Category of Work	Class of Core Trade Personnel	Type of Trades	1st \$100m (per \$10m)	Excess of \$100m (per \$20m)
New Building Works	Foreman	Structural Trades	1MY	1MY
		Non-Structural Trades		
		• Architectural Trades	1MY	1MY
		• M & E Trades		
		Total	2MY	2MY
	Tradesman	Structural Trades	0.5MY	0.5MY
		Non-Structural Trades		
		• Architectural Trades	1MY	1MY
• M & E Trades				
Construction Plant Operation		1MY	1MY	
	Total	2.5MY	2.5MY	
Additional & Alteration Works	Foreman	Structural Trades	1MY	1MY
		Non-Structural Trades		
		• Architectural Trades	1MY	1MY
		• M & E Trades		
		Total	2MY	2MY
	Tradesman	Structural Trades	0.5MY	0.5MY
		Non-Structural Trades		
		• Architectural Trades		
• M & E Trades		2MY	2MY	
• Construction Plant Operation				
	Total	2.5MY	2.5MY	
Civil Engineering Works (General)	Foreman	Structural Trades	0.75MY	0.75MY
	Tradesman	Construction Plant Operation	0.75MY	0.75MY
		Total	1.5MY	1.5MY
			OR	
	Foreman	Structural Trades	1.5MY	1.5MY
		Total	1.5MY	1.5MY
Civil Engineering Works (MRT Station)	Foreman	Structural Trades	1MY	1MY
		Non-Structural Trades		
		• Architectural Trades	1MY	1MY
		• M & E Trades		
		Total	2MY	2MY
	Tradesman	Structural Trades	0.5MY	0.5MY
		Non-Structural Trades		
		• Architectural Trades	1MY	1MY
• M & E Trades				
Construction Plant Operation		1MY	1MY	
	Total	2.5MY	2.5MY	
Notes:				
Structural Trades -	Reinforced Concrete Works, Structural Steel Works			
Architectural Trades -	Tiling, Stone laying and Floor Finishing Works, Waterproofing Works, Doors & Windows Installation, Drywall Installation, Joinery Works, Suspended Ceiling, Cladding & Curtain Wall Installation & Glazing Works			
M&E Trades -	Electrical Works, Plumbing and Piping Works, Fire Protection System, Air-Conditioning Ducting Installation, Lift Installation & Gas Pipe Fitting			

² Project whose permits to commence structural work are submitted to BCA on and after 15 Oct 2011.

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