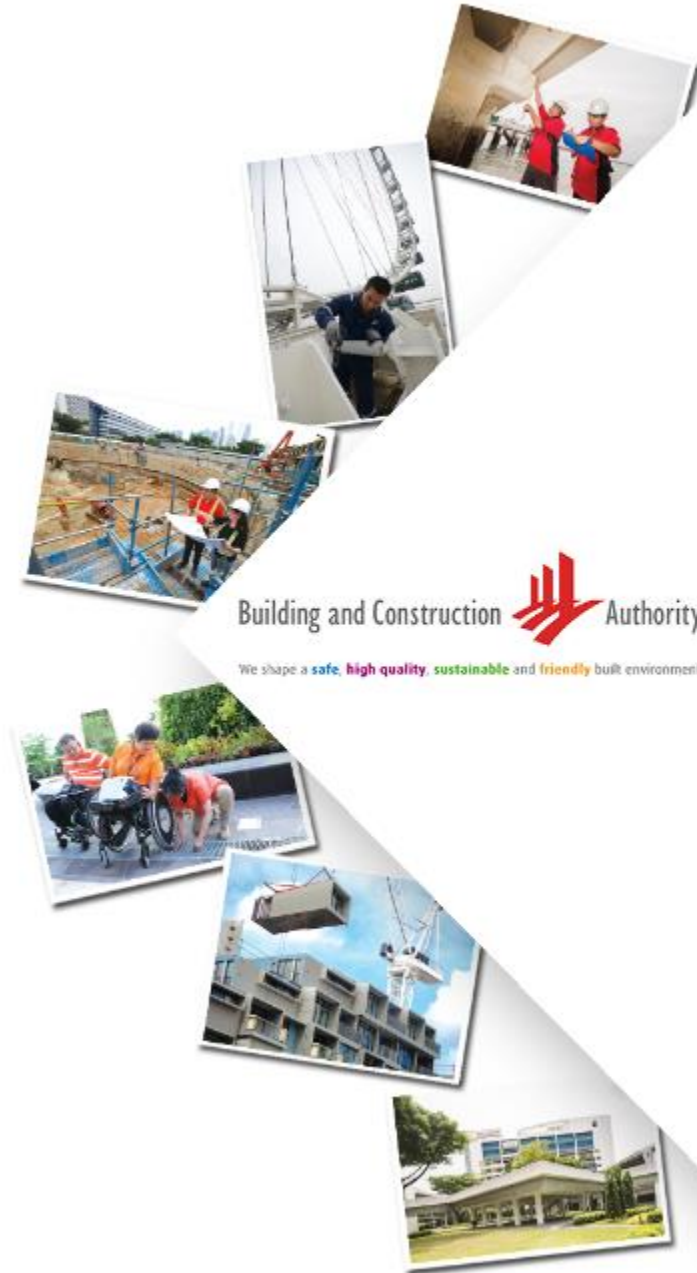


Update for Construction Sector Restart

15 Jul 2020



Building and Construction Authority
We shape a **safe**, **high quality**, **sustainable** and **friendly** built environment.

Outline

1. Update on New Initiatives
 - a) Restart Progress
 - b) New Initiatives

2. Update on COVID-Safe Restart requirements
 - a) Keeping our Worksites COVID-Safe
 - b) Safe Workforce – Updates to AccessCode
 - c) Safe Accommodation & Transport – Updates on Dorm Clearance Schedule and Transport Requirements

3. Use of Technology to Support Implementation of COVID-Safe Measures

1a) Restart Progress

Types of Application		No. of Applications Approved (as of 12 Jul)
1	Construction projects	2,430
2	Renovation works	51,369
3	Construction Account Works (eg. FM, L&E)	22,675

- **More than 1,800 projects** have used the self-help tool to assess their restart readiness
- ***Main contractors are encouraged to apply for restart while waiting for workers to be cleared***
- COVID Safe workers training: < **328,000** passed to date
- SMO Course: >**39,000*** SMO trained to date

**by BCAA, SCAL Academy and NTUC Learning Hub*

1a) Restart Progress: Industry Engagements co-led by TACs

	COMPLETED (1 Jun – 14 Jul)	UPCOMING (Jul)
No. of Webinars & Online Clinics	12	5
No. of Attendees	16,600	5,000
No. of Q&As	5,700	-

Jun:

Safe Restart Webinar Series

[3-5 Jun] Joint Webinars (10 TACs) : 11,800 pax
 [16 Jun] Industry Leaders Dialogue: 800 pax

Jul-Aug:

Recover Webinar Series *(Best Practices from Safe Restart)*

Sep - Oct:

IBEW Resilience Webinar Series



Jun to Jul:

TAC-hosted Clinics: Restart Applications

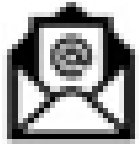
GPEs, REDAS, SCAL, STAS, RCMA: (4,000 attended), SIA-IES, ACES, SISV: 2500 projected attendees)
 [15 Jul] Industry Leaders Dialogue 2 : 800 pax

~ 2 industry dialogues per week
 involving Minister/s & BCA senior mgmt over past 8 weeks

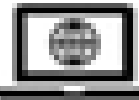
1b) New Initiatives: BCA's Telegram Channel

- Get the latest updates from BCA on your mobile

Over 6,300 subscribers



Contact BCA at bca.gov.sg/feedbackform/

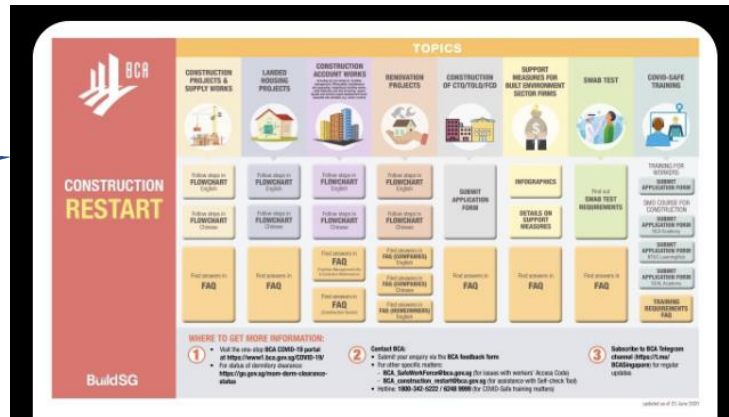
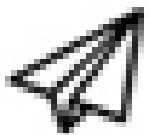


Visit BCA's website at www1.bca.gov.sg/COVID-19

Subscription link to BCA's Information and Update channel on Telegram:



<https://t.me/BCASingapore>



[Sent on 24 June 2020]
Construction Restart Navigator

Need to restart works but not sure where to begin? Check out our one-stop navigator for all your restart needs, including forms and FAQs! ✓

Download both English and 中文版 here:
go.gov.sg/bca-navigator-restart

2.9K 10:08 AM

[Sent on 24 June 2020]
[ICYMI] Dormitories cleared of COVID-19
23 June 2020 - MOM's Press Release

31 more dorms have been cleared of COVID-19. These comprise 27 Factory-Converted Dorms & 4 Construction Temporary Quarters. In addition, 4 Blocks for Recovered Workers (BRWs) in 3 Purpose-Built Dorms (PBD) have been cleared. These residences house about 3,700 residents.

🦷 Government will do all we can to help as many companies as possible to tide through this crisis

📄 BCA as the one stop shop for construction restart info


📅 More regular updates on when workers are ready to resume work



1b) New Initiatives: One-stop Navigators on Construction Restart & Training

One-stop navigator for all construction restart information (eg. application flowcharts, FAQs, BCA contact details etc)

One-stop navigator for COVID-Safe training information and request



CONSTRUCTION
RESTART

BuildSG

TOPICS							
CONSTRUCTION PROJECTS & SUPPLY WORKS	LANDED HOUSING PROJECTS	CONSTRUCTION ACCOUNT WORKS <small>Including but not limited to: facilities management, lift/escalator maintenance and upgrading, significant building works, cable detection and trial trenching, urgent facade and window repair/replacement work, essential site activities (e.g. vector control)</small>	RENOVATION PROJECTS	SUPPORT MEASURES FOR BUILT ENVIRONMENT SECTOR FIRMS	COVID-SAFE WORKER ACCOMMODATION AND TRANSPORT	COVID-SAFE WORKFORCE	COVID-SAFE TRAINING
Follow steps in FLOWCHART English	Follow steps in FLOWCHART English	Follow steps in FLOWCHART English	Follow steps in FLOWCHART English	INFOGRAPHICS	SUBMIT APPLICATION FORM FOR CONSTRUCTION OF CTQ/TOLU/FCI	Find out HOW TO OBTAIN GREEN ACCESSCODE FOR WORKERS	TRAINING FOR WORKERS SUBMIT APPLICATION FORM
Follow steps in FLOWCHART Chinese	Follow steps in FLOWCHART Chinese	Follow steps in FLOWCHART Chinese	Follow steps in FLOWCHART Chinese	Details on SUPPORT MEASURES	COVID-SAFE DEDICATED TRANSPORT REQUIREMENTS	Find out SWAB TEST REQUIREMENTS	Submit Application Form FOR SMO COURSE FOR CONSTRUCTION AT: BCA ACADEMY NTUC LEARNINGHUB SCAL ACADEMY
Find answers in FAQ	Find answers in FAQ	Find answers in FAQ (Facilities Management/Lifts & Escalators Maintenance)	Find answers in FAQ (COMPANIES) English Find answers in FAQ (COMPANIES) Chinese	Find answers in FAQ	Find answers in FAQ	Find answers in FAQ	TRAINING REQUIREMENTS FAQ TRAINING NAVIGATOR
Find answers in FAQ (Construction Sector)		Find answers in FAQ (Homeowners) English	Find answers in FAQ (HOMEOWNERS) English	Find answers in FAQ	Find answers in FAQ	Find answers in FAQ	

WHERE TO GET MORE INFORMATION:

1 Visit the one-stop **BCA COVID-19 portal** at <https://www1.bca.gov.sg/COVID-19/>

For status of dormitory clearance: <https://go.gov.sg/mom-dorm-clearance-status>

2 **Contact BCA:**

- Submit your enquiry via the **BCA feedback form**
- For other specific matters:
 - BCA_SafeWorkForce@bca.gov.sg** (for issues with workers' Access Code)
 - BCA_construction_restart@bca.gov.sg** (for assistance with Self-check Tool)
- Hotline: 1800-342-5222 / 6248 9999 (for COVID-Safe training matters)

3 Subscribe to **BCA Telegram channel** (<https://t.me/BCASingapore>) for regular updates

COVID-SAFE TRAINING NAVIGATOR



SAFE MANAGEMENT OFFICERS COURSE FOR CONSTRUCTION



COVID-SAFE WORKERS TRAINING

TRAINING REQUIREMENT

COURSE REGISTRATION

BCA ACADEMY
Search for Course Code 45026

NTUC LEARNINGHUB

SCAL ACADEMY

SSG FUNDING (for Singaporean/PR)

COMPANY SPONSORED
Apply at Skillsconnect

FOR INDIVIDUALS*
Fill up self-declaration

REQUESTS*

- COURSE WITHDRAWAL
- CHANGE CLASS SCHEDULE
- HELP WITH EXPIRED / SUSPENDED OSF ACCOUNT

e-Certificate will be issued within a month upon successful completion of the course and full payment of course fee. When making payment, Enrolment Number must be indicated to avoid delay in the issuance of the e-Certificate.

*Only for registration at BCA Academy

REGISTRATION FORM

REQUESTS

CHANGE REGISTRATION DETAILS / REPORT LOGIN ISSUES

Last Update: 6 July 2020

BCA ACADEMY

- ✓ Available on BCA website and Telegram channel
- ✓ Available in Chinese



1b) New Initiatives: Construction Restart Resource Kit

- BCA has put together a comprehensive resource kit to guide industry on how to restart

Dedicated guides for different industry stakeholders

What best describe you?



I am the developer / main contractor / builder / owner of works to be carried out at

- Construction sites
- Precast concrete yard/ ICPH
- PPVC/ PBU fit-out factory
- Prefabricated MEP factory
- RMC plant/ Sand and aggregate terminal



I am the owner / main contractor / builder of **Landed housing projects** for single dwelling, that requires building plan submission.



I am the subcontractor / firm which carries out the following **construction account activities**: site maintenance, facilities management, lift & escalator maintenance and installation, site vector control, cable detection and trial trenching work.



I am the **renovation contractor** for renovation projects that do not require building plan submission.

Step-by-Step guide on Restart Preparation & Application

4 STEPS TO FOLLOW

- Check that your project meets COVID-safe criteria
- Check if your project is ready to resume work
- Submit your application to resume work to BCA
- Implement Safe Management Measures (After work resumption)



Good Practices of Safe Management Measures

STEP 4. Implement Safe Measure Management (After Work Resumption)

Below are some examples of good practices observed on site



Segregated entrances/exits



Safe distancing markings



Clear zoning plan & SMO/SDO details



Temperature monitoring




Safe Distancing Induction



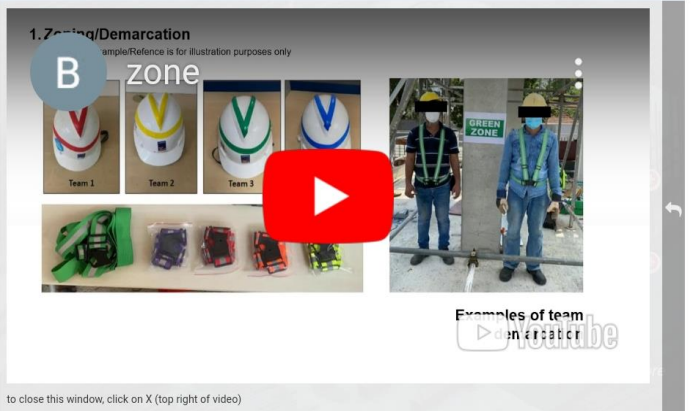
Individually pre-packed meals

User-friendly Guide with Clickable Links and Videos

STEP 2. How to apply to BCA for restart work

1 Main Form	6 Supporting Documents
 <p>Main Form Types of work, project value</p>	Construction and supply Project, firms, employees details
	Self declaration Declare meeting of Safe Restart Criteria
	Worksite Safety Excel Details on worksite activities, segregation and transport plan
	Worksite Safety Plan Details on zoning/ demarcation, movement control, evacuation plan
	Confirmation email that employers have updated records with MOM
	Joint declaration by developer and builder

1. Zoning/Demarcation

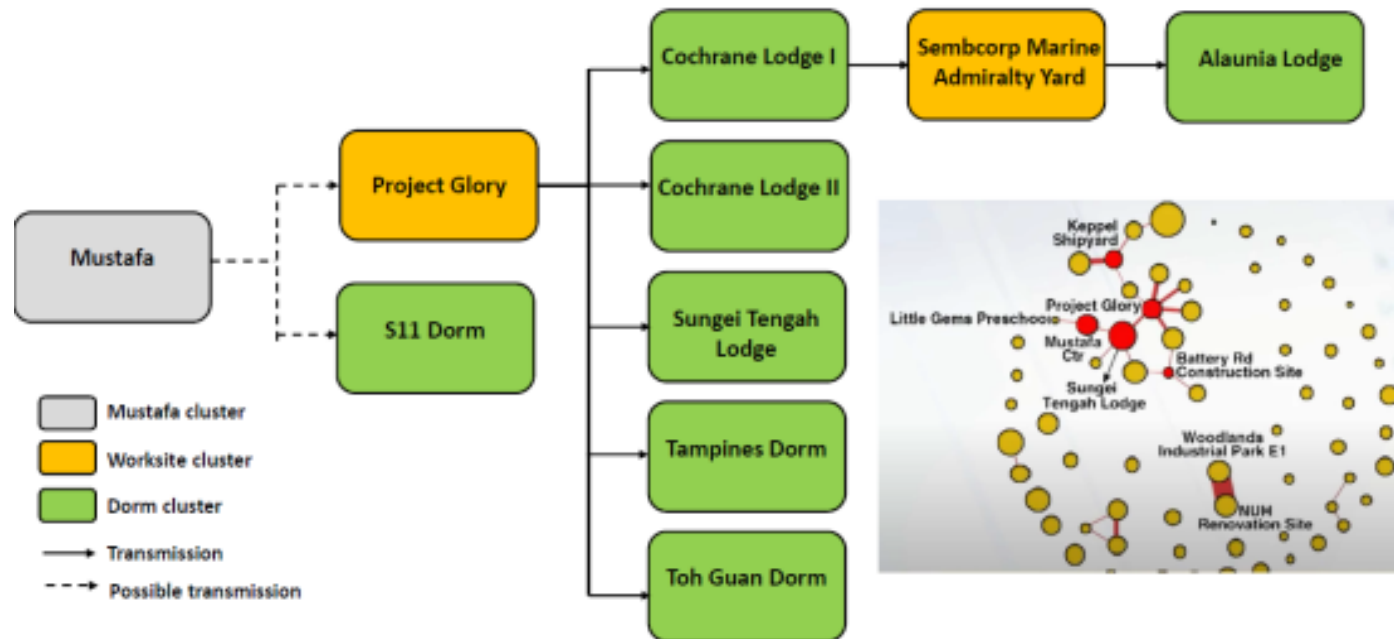


Examples of team demarcation

2a) Keeping our Worksites COVID-Safe

- Worksites are potential “hubs” of virus transmission leading to multiple clusters

Major COVID+ Outbreak at Project Glory



- Largest construction site cluster linked to 6 dorms
- Work at site was halted

2a) Keeping our Worksites COVID-Safe

More Recent C+ Outbreak at a Project Site (non-construction)

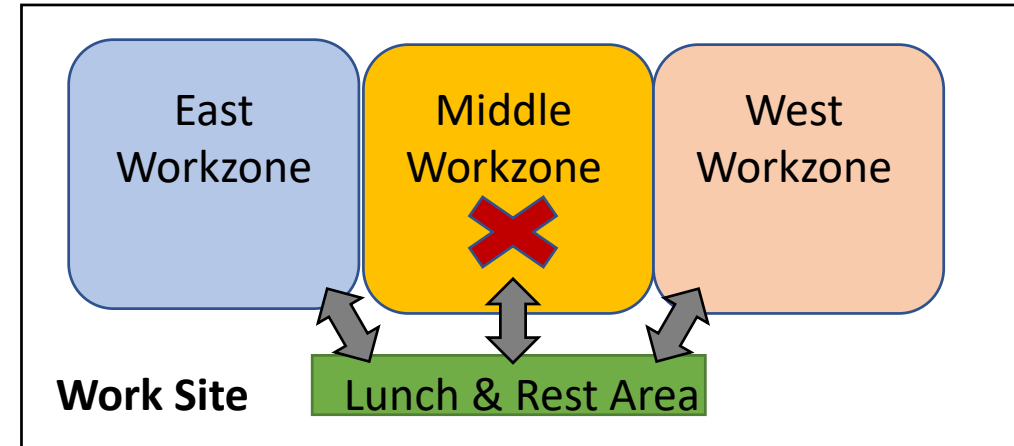
- 6 COVID+ cases were first confirmed among a team working in the Middle work-zone
- **Causes: Workers from different work-zones sharing (i) common lunch and rest areas, (ii) transportation and (iii) residences**

Actions Taken – Stop Work Order (SWO)

- Quarantine Orders (QO) issued to **356 close contacts**
- MOH served SWO, site closure and disinfection
- Locked down entire block of residence with some workers conveyed to GQFs

Key Lessons Learnt


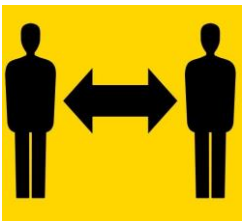
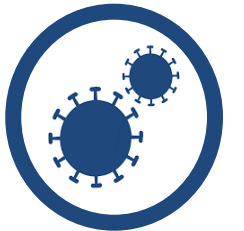
- **Cohort workers** according to work zones, **stagger the use of common lunch and rest areas**
- **No mixing of different cohorts** during transportation and in places of residence to prevent cross infection



Risk of spread from middle to East and West workzone

2a) Keeping our Worksites COVID-Safe

✓ 3 Key COVID Safe Management Measure (SMM) to be observed on site:

	Key Objectives	Things to look out for
	1) Safe Access: Allow only healthy and approved workers to work at worksites	<ul style="list-style-type: none">▪ Entry control: approved workers only, roving sub-contractors & visitors do not mix with workers on site
	2) Safe Distancing: Enforce safe-distancing, segregation and cohorting measures at worksites	<ul style="list-style-type: none">▪ Safe Management Officer/Safe Distancing Officer▪ Segregation of Teams & Work Zones (communal facilities are hot spots)▪ Pre-packed meals▪ Turn on TT (Trace Together)
	3) Containment: Ensure COVID+ and quarantined workers are isolated swiftly	<ul style="list-style-type: none">▪ C+ Response Plan: Cordon off affected zones, isolate worker, clean & disinfect, inform authorities

2a) Keeping our Worksites COVID-Safe

Top safety breaches from BCA's Inspection Findings

Top breaches observed	Large Projects (>\$3mil)	Small Projects (<\$3mil)
Workers yet to receive BCA's approval but started working on site	25	77
SafeEntry (NRIC version) not installed and used	26	70
Missing Safe Management Measures (SMM) plan on site	17	57
Safety Management Officer (SMO) not on site	5	34
Meals not individually packed	11	24

As of 13 Jul 2020

2a) Keeping our Worksites COVID-Safe

✘ Examples of breaches



Cooking at on-site CTQ



Poor isolation facility for sick workers



Safe-Entry (NRIC) not used on site

BCA will take enforcement actions against work sites with breaches:-

- Stern Warnings
- **Safety Time-out**
- **Stop Work Orders (SWO)**
- Composition Fines
- Prosecution

2a) Keeping our Worksites COVID-Safe



Examples of good practices observed



Segregated entrances/exits



Safe distancing markings



Clear zoning plan & SMO/SDO details



Temperature monitoring



system with face detection



Safe Distancing Induction



Individually pre-packed meals

2a) Keeping our Worksites COVID-Safe

Reporting Unsafe Practices in Worksites

'Whistle blowing'

- Poster with QR code for workers to report non-compliances
- Worksites will be required to display posters
- PMs and SMOs will be briefed
- Mass SMS to inform workers of such channel

Large QR code for easy scanning



Easily understood infographics and messages

Different languages (e.g. Chinese, Tamil, Bengali, Burmese) will be included

2a) Keeping our Worksites COVID-Safe

- BCA would continue to engage the industry to ensure a COVID-Safe restart through:

Sharing Session with Project Managers and SMOs of New Restart Projects

- Conducted 1st session with 82 PMs/SMOs via Zoom on 20 Jun
- Received feedback that BCA's briefing was a good platform with opportunities to learn and clarify queries

Continuous Efforts to Increase Awareness on Effective Site Management

- Improve clarity of requirements via briefings, submission guides, FAQ
- Provide guidance to builders and SMOs prior to audits
- Share inspection checklist with SMOs
- Conduct regular briefing/dialogue to share BCA's inspection findings & good practices

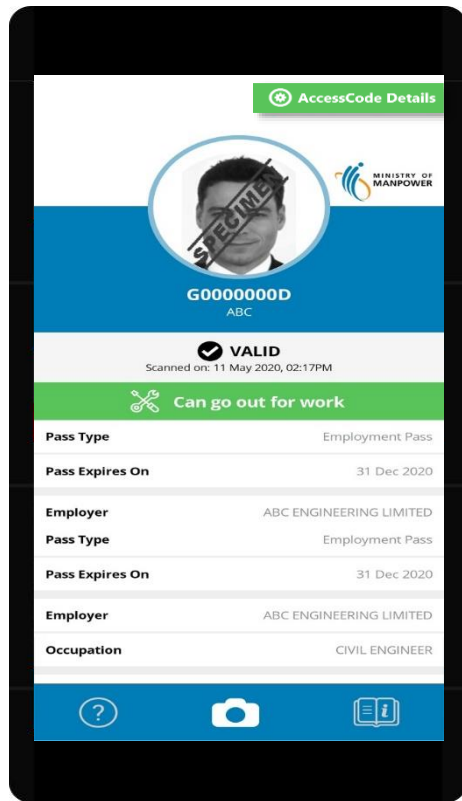
2b) Safe Workforce – Updates to AccessCode

- MOM released improved features to the AccessCode on 12 July:

1 AccessCode colours simplified to **Green** and **Red** codes only, and the Grey code would be removed.

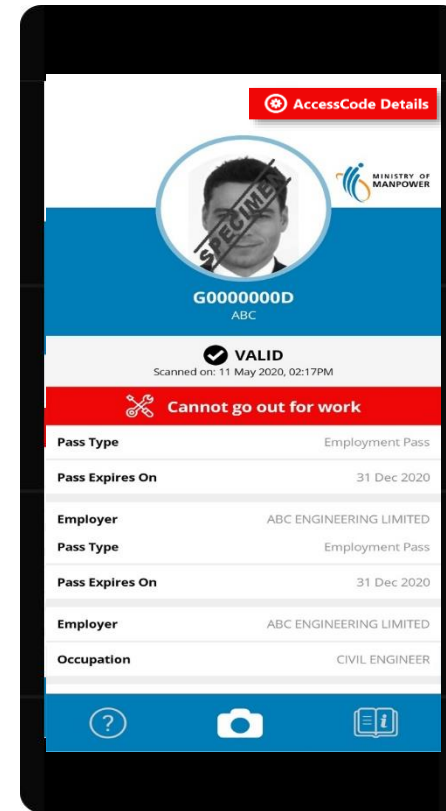


Scan the QR Code



Can leave dormitory for work

- Employer/worker approved to start work
- Residence is cleared
- Worker's health status is okay



Cannot leave dormitory for work

- Employer/worker NOT yet approved to start work

OR

- Dorm is not cleared or worker's health status not okay

2b) Safe Workforce – Updates to AccessCode

- MOM released improved features to the AccessCode on 12 July:

2

Employers would be able to check their workers' (S Pass or WPH) AccessCode details through the new Safe@Work eService

AccessCode of Work Permit and S Pass holders								
Updated as at hh:mm dd/mm/yyyy (DSTA creation date)								
Employing Company: Company name here (01968500M-00-000)								
CPF Submission Number (CSN): CSNcode								
Legend								
AccessCode is shown on SGWorkPass in two colours depending on the worker's status:								
■ "Green" status: Worker met all conditions and is allowed to leave the residence for work;								
■ "Red" status: Employer or worker has not obtained approval to work, and/or worker did not meet one or more of the conditions. They are not allowed to leave the residence for work. Read more .								
S/No	Name	FIN	AccessCode	(i) Work Status	(ii) Health Status			(iii) Residence Status
					COVID-19 Infection	Serving Quarantine Order or Stay-Home Notice?	Latest Trace Together Status	Place of Stay
1	Tan Ah Koh	FXXX4567A	Green	Employer/ Worker approved to work	Not detected	No	Installed	Cleared
1	Tan Ah Long	FXXX4555A	Green	Employer/ Worker approved to work	Recovered	No	Installed	Cleared
2	Subramaniam Vinasamy	GXXX7890C	Red	Employer/ Worker approved to work	Test inconclusive	On Quarantine Order	Not installed	Dormitory/Block is not cleared
3	Lee Tee Kee	GXXX0123F	Red	Employer/ Worker not approved to work	Positive	On Stay-Home Notice	Installed	Worker's place of stay differs from dormitory records. Check with dormitory operator.
4	Yong Ah Long	FXXX8024G	Red	Employer/ Worker not approved to work	Not detected	No	Not Installed	Dormitory/Block is not cleared

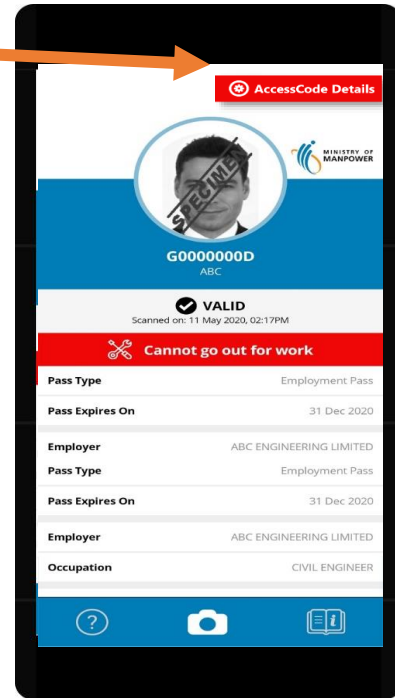
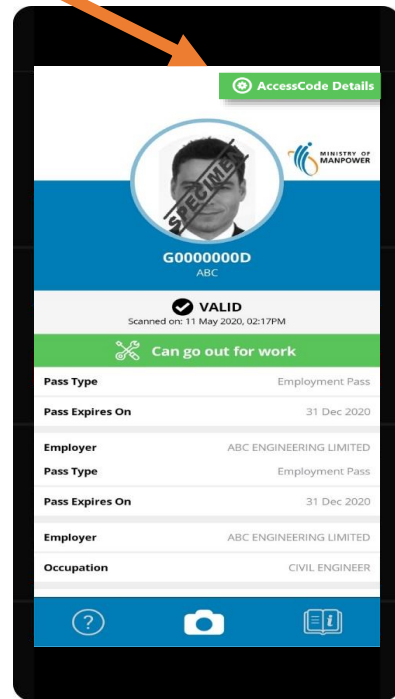
2b) Safe Workforce – Updates to AccessCode

- MOM released improved features to the AccessCode on 12 July:

3

Workers would now be able to find out why their AccessCode is 'Red' by scanning the QR code on their work pass cards or tapping on the coloured bar.

Click here for
AccessCode details



The detailed status screen shows the following information:

- Profile picture and code: G000000A, ABCDEFG HIJKLMN OP QRSTU, Scanned on: 11 May 2020, 02:17PM
- Section: My AccessCode
- Status bar: Cannot go out for work
- WORK STATUS: Employer/Worker not approved to work. [LINK](#)
- COVID-19 INFECTION: Cleared
- STAY HOME NOTICE: No
- TRACETOGETHER: Installed
- Place of Stay: Dormitory/Block is not cleared
- Footer: To know more about AccessCode: [Tap Here](#), Accurate as of 11 May 2020, 02:17PM

2c) COVID-Safe Accommodation & Transport – Updates on Dorm Clearance

- As of 7 Jul, 384 more dorms have been cleared bringing the total number to 625 dorms and 44 blocks of recovered workers in 17 PBDs.
- About 180,000 workers have either recovered or been cleared:
 - Some are pending movement to appropriate accommodations prior to work resumption; and
 - Others can resume work once dorm operators, employers and workers have made the necessary preparations (Eg. Dorm operators to arrange staggered pick-up/drop-off, employers to confirm/update workers' addresses on MOM's database etc)
- Details of Dorm Clearance Schedule can be found on MOM's website:



<https://www.mom.gov.sg/covid-19/cleared-dormitories>

2c) COVID-Safe Accommodation & Transport – Transport Arrangement

- The latest update to the Safe Transport requirements after incorporating industry feedback are in yellow:

Employee's Accom	Work Pass ^[1]	Workplace	Allowed to take Public Transport (MRT, Bus)	Allowed to take Private Hire Vehicles (PHVs) & Taxis	Allowed to Walk/Cycle	Allowed to Motorcycle/Car
Non-dormitories ^[2]	S-Pass	Non-Construction Site	Yes	Yes	Walking and cycling is allowed. Employers must show that their workers comply with relevant SMMs when inspected.	Yes
		Construction Site	No	Yes		
	Work Permit	Non-Construction Site	Yes	Yes		
		Construction Site	No	Yes		
Dormitories ^[3] and Government Sourced Facilities (GSF) ^[4]	S-Pass	Non-Construction Site	No	Yes	Employers must: <ul style="list-style-type: none"> work with dormitory operators to plan and coordinate pick-up times; pre-arrange and pre-pay for taxis/ PHVs; comply with relevant SMMs when inspected 	No
		Construction Site		Yes		
	Work Permit	Non-Construction Site		Yes		
		Construction Site		Yes		

[1] Type of work pass includes all Foreign Employees holding work permits or S passes in the [construction sector](#)

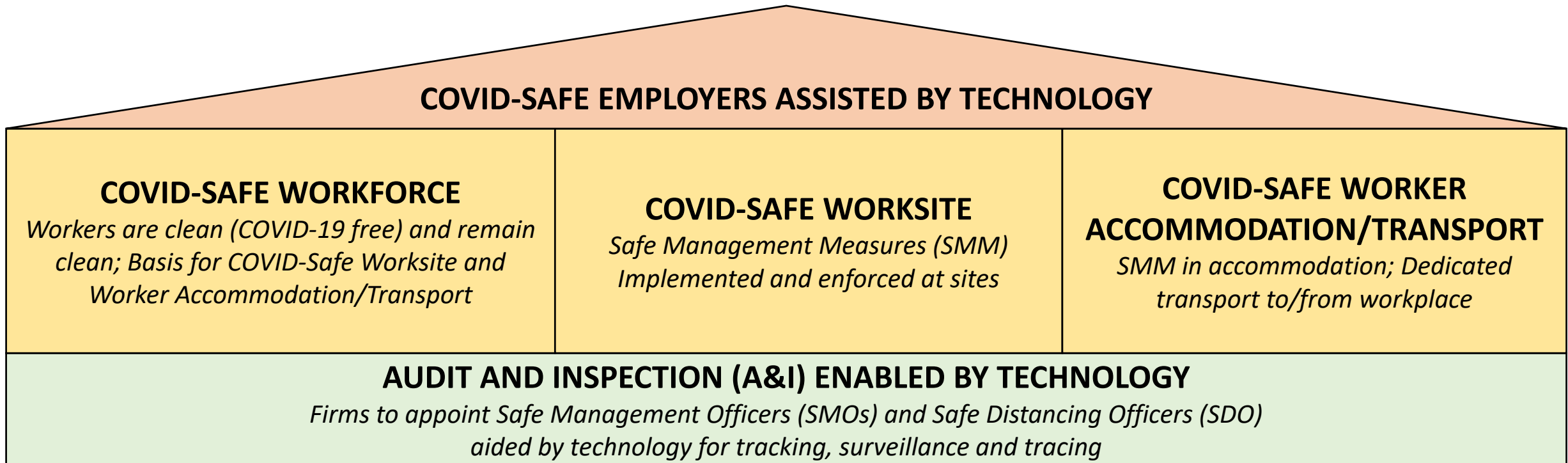
[2] Non-dormitories include HDB & private residential properties

[3] Dormitories - Purpose Built Dorms (PBD), Factory Converted Dorms (FCD), Temporary Occupation License Quarters (TOLQ), Construction Temporary Quarters (CTQ) and Temporary Living Quarters (TLQ)

[4] GSF - Facilities set up by govt for workers who have recovered from COVID-19 or decanted from dormitories.

3) Use of Technology to Support Implementation of COVID-Safe Measures

- In order to safeguard project progress and community's interest in preventing resurgence of infection, it is key for *industry to take ownership in implementing and enforcing COVID-Safe measures.*
- BCA has developed a system (BuildSG-CovidSafe Platform) to aid firms in adopting technology to achieve a Covid-Safe restart.



3) Use of Technology to Support Implementation of COVID-Safe Measures

COVID-SAFE EMPLOYERS and A&I ASSISTED BY TECHNOLOGY:

Examples

Worksite access control:

- Facial biometric recognition
- Thermal scanner
- System would verify and record workers' details (i.e. ID, temperature, SafeEntry registration etc)

Remote monitoring to ensure SDM and Segregation of Workers:

- **AI Camera** – Image analysis to capture SMM breaches
- **Contact Tracing Wearables** – Identify close contact of segregated cohorts
- **Inspection Apps** – Online documentation of findings from inspection
- **Data Assisted & Compliance System** – Identify high risk areas, common non-compliance trends etc

✓ *Firms could tap on IMDA's Advanced Digital Solutions (ADS) initiative to fund the adoption of COVID-Safe Technologies – More details to be provided soon*



Facial Recognition & Thermal Scanner



AI Camera capturing workers <1m apart

Thank you.