

Our ref: APPBCA-2025-25

Construction Productivity & Quality Group  
Construction Transformation & Technology  
Department

1 December 2025

To all **Builder Firms registered in the Builders Licensing Scheme**

Dear Sir/Madam

**CIRCULAR ON THE IMPLEMENTATION OF AUTOMATED CONSTRUCTION PRODUCTIVITY DATA (CPD)  
SUBMISSION**

**Aim**

- 1 This circular informs the industry of the implementation of automated Construction Productivity Data (CPD) submission to BCA via a data exchange platform (i.e. SGBuildex). The initiative streamlines data submission workflows and enhances operational efficiency for builders.

**Background**

- 2 Under the Building Control (Buildability & Productivity) Regulations 2011, Builders must install Biometric Authentication Systems (BAS) at applicable project sites<sup>1</sup> and submit CPD monthly via the electronic Productivity Submission System (ePSS) Portal. Submissions are to be made from Permit to Commence Work (PTCW) issuance until final Temporary Occupation Permit (TOP) or Certificate of Statutory Completion (CSC) is issued.

**Enhancements to CPD Submission**

- 3 Currently, builders manually collate onsite and offsite CPD into various Excel templates before uploading to ePSS.<sup>2</sup> Going forward, builders will submit monthly CPD automatically and directly to BCA through a BAS that connects to SGBuildex via API.<sup>3</sup>
- 4 The new workflow adopts a single data schema for all project types.<sup>4</sup> Work trades have been streamlined into broader categories, making it easier to register workers especially those who perform multiple functions.<sup>5</sup> These changes seek to enhance operational efficiency for builders.

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<sup>1</sup> Please refer to Annex A for projects that are required to submit CPD under Regulation 10 of the Building Control (Buildability & Productivity) Regulations 2011.

<sup>2</sup> There are currently four different ePSS excel templates for building, offsite, rail and road works.

<sup>3</sup> See Annex B for the changes to the CPD submission workflow under SGBuildex.

<sup>4</sup> See Annex C for the worker details that will be collected under the new data schema in SGBuildex.

<sup>5</sup> The revised and streamlined trade list of workers' trades can be found under the FAQ of our website.

### **Onboarding Plan**

- 5 To provide adequate transition time, **builders will be required to submit their CPD through a BAS that is integrated, with the data exchange platform, for new applicable projects with PTCW applications made from 1 May 2026.**
- 6 Builders are welcome to onboard their new and ongoing applicable projects any time before 1 May 2026, on a voluntary basis. Builders using non-integrated BAS may either upgrade their existing in-house system for platform integration or engage a solution provider with an integrated BAS.
- 7 Offsite fabricators, including those involved in precast, structural steel, prefabricated mechanical, electrical and plumbing works, are also welcome to participate in this voluntary phase.

### **Circulation and Clarification**

- 8 Please disseminate the contents of this circular to members of your organization. Builders of applicable projects are reminded to ensure all CPD submissions are complete and accurate before applying for as-built Buildability and Constructability clearance.
- 9 For information on BAS solution providers that support automated CPD submission, please visit <https://go.gov.sg/integrated-bas-providers>. Builders who wish to onboard their projects onto the new data exchange platform may register their interest [here](#). BCA will contact you to follow up. For further assistance, please refer to the FAQs on our [website](#) or contact us at [bca\\_epss@bca.gov.sg](mailto:bca_epss@bca.gov.sg).

Yours faithfully



MS. SHERLYN CHUA  
DEPUTY DIRECTOR  
CONSTRUCTION TRANSFORMATION & TECHNOLOGY DEPARTMENT  
CONSTRUCTION PRODUCTIVITY & QUALITY GROUP  
for COMMISSIONER OF BUILDING CONTROL

**ANNEX A: Applicability of Regulations 10 in the Building Control (Buildability & Productivity) Regulations (2011)**

(3) Subject to paragraphs (4), (5) and (6), regulations 5, 8, 9, 10, 12 and 14 shall apply to any building works in respect of which an application for planning permission is submitted on or after 15th July 2011 and which involve a gross floor area of 5,000 square metres or more.

*[S 819/2019 wef 15/12/2019]*

(4) Regulations 5, 8, 9, 10, 12 and 14 shall not apply to building works consisting of repairs, alterations or additions to an existing building (whether carried out within or outside the existing building) in respect of which an application for planning permission is submitted on or after 15th July 2011 unless —

- (a) the gross floor area of the existing floor to be reconstructed;
- (b) the increase in the gross floor area of the existing building that will result from the building works; or
- (c) the sum of sub-paragraphs (a) and (b),

is 5,000 square metres or more.

(4A) Subject to paragraphs (5) and (6), regulations 4A and 4B shall apply to any building works (other than repairs, alterations or additions to an existing building) in respect of which an application for planning permission is submitted on or after 1 November 2014.

*[S 729/2014 wef 01/11/2014]*

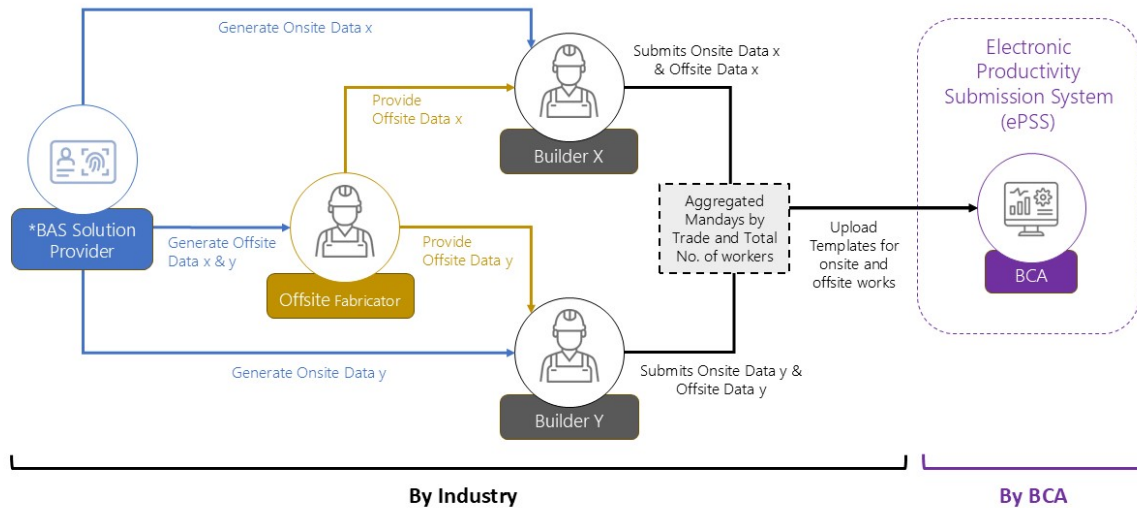
*[S 819/2019 wef 15/12/2019]*

(5) These Regulations shall also not apply to any building works relating to —

- (a) any culvert, bridge, underpass, tunnel, earth retaining or stabilising structure, slipway, dock, wharf or jetty;
- (b) any theme park;
- (c) any place of worship;
- (d) any power station; or
- (e) any waste processing or treatment plant.

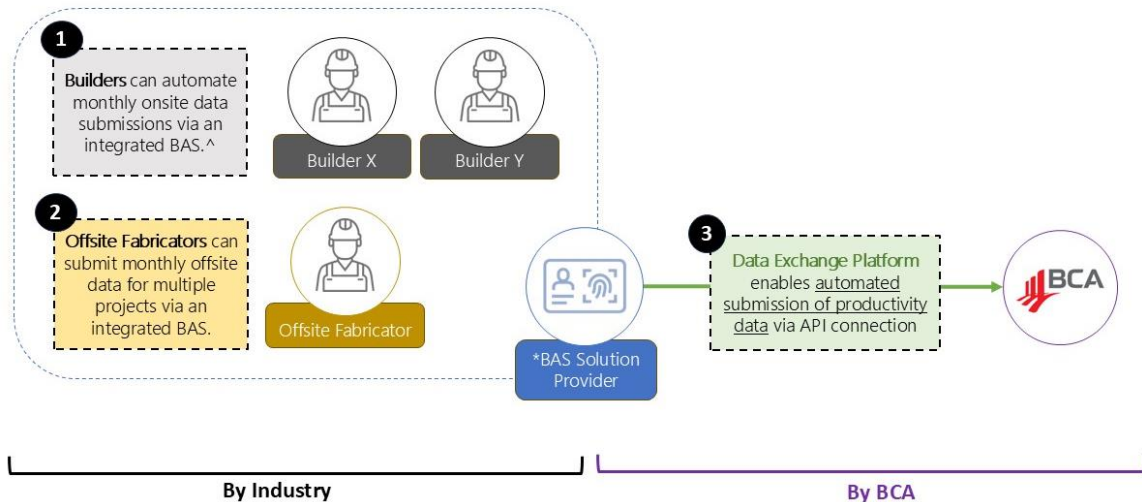
## ANNEX B: Changes to CPD Submission Process

### Current Submission Process



\* BAS refers to Biometric Authentication System

### New Automated Submission Process



<sup>^</sup> Builders will have to submit offsite data if the project's offsite fabricators are unable to automate their submissions via the data exchange platform.

**ANNEX C: Collection of Worker's Details for Manpower Utilisation under SGBuildex Data Schema**

S/N	DATA ELEMENT	DEFINITION
1	Person Identity Number	Person identification as in full Unique Identification Number (UIN), i.e. National Registration Identity Card (NRIC) or Foreign Identification Number (FIN).
2	Person ID And Work Pass Type	Identification and work pass type of Person.
3	Person Trade	Person trade. Refer to Trade List <a href="#">here</a> .
4	Person Employer Company Name	Company (that employ the person) name as in ACRA.
5	Person Employer Company Unique Entity Number	Company (that employ the person) Unique Entity Number (UEN).
6	Person Employer Company Trade	Trade that the person employer company performs
7	Person Employer Client Company Name	Company (client of person employer) name as in ACRA.
8	Person Employer Client Company Unique Entity Number	Company (client of person employer) Unique Entity Number (UEN).
9	Person Attendance Date	Date (i.e. time-in date, as per Singapore time zone UTC+8) that the person is at onsite project or offsite fabricator.
10	Person Attendance Details	Details of person attendance at onsite project or offsite Fabricator.
11	Time In	Person time-in (of a corresponding pair of time-in and time-out) at onsite project or offsite fabricator.
12	Time Out	Person time-out (of a corresponding pair of time-in and time-out) at onsite project or offsite fabricator.

(NOTE: Please visit [Site Management Data Standards](#) for the latest information on the required Manpower Utilisation data fields.)