

Frequently Asked Questions (FAQ) on Automated Construction Productivity Data (CPD) Submission

Q1: Why is BCA transitioning to a data exchange platform (i.e. SGbuildex) for construction productivity data submission?

A: This shift supports Singapore's broader digital transformation in the construction sector. The new data exchange platform automates data flow, reducing the administrative burden on contractors whilst providing BCA with more accurate insights for industry development and policy formulation.

Q2: How will BCA use this enhanced productivity data?

A: The data will be used solely for BCA's study of productivity trends and formulation of targeted initiatives to uplift construction productivity.

Project Applicability

Q3: Does my project need to comply with the automated CPD submission requirement?

A: The automated CPD submission requirement applies to builders with new applicable projects with Permit to Commence Works (PTCW) applied from 1 May 2026 onwards (refer to this [circular](#) issued on 1 December 2025).

This requirement applies specifically to projects with new Gross Floor Area (GFA) of 5,000m² and above, including A&A works. For these projects, CPD submission is required from the issuance of PTCW to the final TOP/CSC obtained.

Q3: Does the automated CPD submission requirement apply to ongoing projects?

A: While the automated CPD submission is not mandatory for ongoing projects, voluntary onboarding is strongly encouraged to streamline the CPD submission process across all your projects.

Onboarding Process

Q4: How can I onboard the automated CPD submission?

A: Interested builders and off-site fabricators can register via this [link](#). After registering, BCA will follow up with onboarding instructions for the data exchange platform.

Roles and Responsibilities

Q5: Who is responsible for submitting CPD and complying with the new automated submission requirements?

A: The builder is responsible for submitting CPD and ensuring compliance with the automated submission requirements. Sub-contractors should work with the main builder to provide the required details of their workers for registration in the main builder's Biometric Authentication System (BAS). The main builder's BAS must capture the data of all personnel entering and exiting the site, including sub-contractors, for submission to BCA.

Q6: As a builder, if I want to onboard the automated route but my fabricator is not integrated, what will happen to my off-site submissions?

A: For local off-site fabricators that are not yet integrated to the data exchange platform, you can inform BCA of your fabricator's contact information, and we will follow up with them to work on automating their systems for off-site data submission. This excludes overseas off-site fabricators.

Biometric Authentication System (BAS) Solution Providers

Q7: Which BAS solution providers are ready for automated CPD submission?

A: A live list of integrated solution providers can be found via this [link](#).

If your current BAS solution provider is not yet but wishes to be integrated, please contact BCA and we will follow up with them.

Q8: Can our existing in-house BAS be integrated?

A: Yes, it is possible to integrate your in-house BAS if it can establish an API connection with the data exchange platform. Further technical integration details will be provided upon builder's registration of interest with BCA.

Q9: Will the engagement of integrated BAS solution providers be funded by BCA?

A: The installation of BAS at project sites for CPD submission is a regulatory requirement under the Building Control (Buildability and Productivity) Regulations 2011.

Data Submission and Management

Q10: What are the data requirements for CPD submission and how should the information be collected?

A: You may refer to the full list of data fields required to be submitted to BCA [here](#) [Annex C – Page 103]. For the technical API specifications of the schema, please click [here](#).

Integrated BAS solution providers have developed the updated data schema required for automated CPD submission. Builders are to ensure that all workers entering the project site are registered in their system.

For projects subject to the automated CPD submission requirement, manual submissions will not be accepted. To ensure data accuracy, builders should require workers to follow proper check-in/check-out procedures on site. Should there be errors in the submitted data, resubmissions may be allowed on a case-by-case basis.

Q11: How are workers' trades categorised under the new system?

Work trades have been streamlined into broader categories, making it easier to register workers especially those who perform multiple functions. You may refer to the revised and streamlined list of trades via this [link](#).

Q12: For workers with multiple trades, how will manpower data be calculated?

A: Workers should be registered under their primary trade - the one they spend the majority of their time on. The manhours calculated from the worker's time on site will be attributed to this primary trade that they are registered under in the BAS.

Q13: What if there are power outage or internet connection issues with the BAS?

A: Builders are responsible for ensuring continuous and uninterrupted data collection and submission. In the event of system issues, builders must rectify the disruption promptly and ensure that data integrity is maintained throughout. BCA should be notified only if the disruption cannot be resolved within 5 days, along with the expected resolution timeline.

Q14: I wish to onboard an ongoing project. How can I submit my project's past manpower data that was collected via the previous data schema?

A: Integrated solution providers have developed a trade mapping list that maps the existing ePSS trades to the revised trade list. This allows your provider to back-send the project's past data via the automated submission once onboarding is complete. However, there may be some additional fields that were not captured in the past data (e.g. full NRIC/FIN details), and builders may be required to provide these to complete the data submission for historical records. Please check with your solution providers for more details.

Calculation of Site Productivity

Q13: How is site productivity calculated?

A: A project's site productivity is defined as the Total Constructed Floor Area (m²) divided by the Total Number of Site Workers (mandays).

[1 Manday is defined as 1 man working for 8 hours.]

For additional questions or clarifications not covered in this Q&A, please contact us at BCA_EPSS@bca.gov.sg