

## ANNEX A: Summary of Pilot DC-CFA Key Parameters & Criteria

### Introduction

1. EDB and IMDA have launched a pilot Data Centre – Call for Application (“DC-CFA”) on 20 July 2022 and welcome DC players that are seeking new DC capacity in Singapore to apply for the DC-CFA. The pilot DC-CFA application will close on 21 November 2022.

### Key Pilot DC-CFA Requirements

2. A summary of the pilot DC-CFA key evaluation requirements are as follows:

#### **Sustainability: Best in Class Resource Efficiency and Decarbonisation**

- a) **Best-in-class and efficient DC.** The applicant should provide proposals on how it intends to run the most efficient DC that is best in class.

- (i) **Green Mark for DC Platinum Certification.** The applicant(s) selected under the pilot DC-CFA is required to certify its new build DC or existing DC seeking expanded capacity under the prevailing BCA-IMDA Green Mark for New Data Centre (“GM-NDC”) criteria and obtain Platinum certification.
- (ii) **Best-in-class PUE<sup>1</sup>.** The applicant is to design, build and operate a DC that is best-in-class in terms of efficiency, and achieve at least a Power Usage Effectiveness (PUE) of 1.3 (at 100% IT load) or better.
- (iii) **Best-in-class IT Energy Efficiency.** The applicant has to demonstrate optimisation of IT energy efficiency through use of equipment that

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<sup>1</sup> Power Usage Effectiveness or PUE is an internationally recognised metric to illustrate DC energy efficiency. It measures total annual DC energy utilised over total annual IT equipment energy utilised.

meet/exceed best-in-class IT energy efficiency standards and adoption of measures with users to optimise equipment utilisation.

- b) **Decarbonisation.** The applicant should provide proposals on how it will best achieve sustainability goals through renewable energy and plans to invest in innovative energy pathways (such as Hydrogen, Building Applied Photovoltaics /Building Integrated Photovoltaics) to offset its carbon emissions footprint.

**Strategic: Strengthening Singapore as a regional and/or international connectivity hub**

- a) The applicant may propose how its proposal would strengthen Singapore's value proposition as a key DC and technology hub for the region, as well as Singapore's regional/international digital connectivity.

**Economic: Broader contributions to Singapore's economic objectives**

- a) The applicant is to indicate the fixed asset investments and total business expenditure for the DC and propose other desirable business activities that are brought in together with the DC (such as R&D, product development etc) that contribute to the broader economic value and outcomes for Singapore.