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Building Information Model (BIM) Fund V2 (Tranche 2)

Irene Tan
Centre for Construction IT (CCIT)
Building and Construction Authority



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AGENDA

- New Objective
- Eligibility Criteria
- Overview of 2nd Tranche
- Summary of 2nd Tranche
- Application & Claim Processes



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OBJECTIVE

Objective of BIM Fund Tranche 2

- Firms in the building industry have demonstrated BIM capabilities in Tranche 1

- For Tranche 2, objective is to **build strong BIM collaboration capabilities**.





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ELIGIBILITY CRITERIA

BIM Collaboration Fund Criteria

- Firm must be Singapore-registered
- Firm must be a member of an on-going or upcoming local construction project
- Project size (GFA) must at least 5,000sqm and above



OVERVIEW OF 2ND TRANCHE

Proposal for BIM Collaboration Funding

2 Stages in a project

Pre-Tender (Consultants only)

Post-Tender (Consultants, Main and Sub-Contractors)

Potential applicants

ARCH C&S M&E QS Others

ARCH C&S M&E QS Others

Main Contractor

Various Sub-contractors



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Overview of 2nd Tranche

	Single stage	Double stage
Co-Funding	50%	**70%**
Minimum applicant involvement	Fulfil any 1 stage only: Pre-Tender stage Minimum any 2 consultants **OR** Post-Tender stage Minimum any 2 contractors	Fulfil both stages: Pre-Tender stage Minimum any 2 consultants **AND** Post-Tender stage Minimum both consultants above and 1 main contractor MAIN
Funding Cap per firm	$30k per stage BCA: 50% / $30,000 — firm: 50% / $30,000 — TOTAL: 100% / $60,000 $30k per stage	$30k across both stages BCA: 70% / $30,000 — firm: 30% / $12,857 — TOTAL: 100% / $42,857 MAIN $30k at Post-Tender stage only
No. of Applications	3 applications	
Supportable Items	Hardware, software, training, consultancy	
DELIVERABLES		
BIM Executive Plan	✓	✓
Coordinated BIM Model	✓	✓
BIM Model Handover	**NA**	✓
% KPI achieved	> 20%	> 30%



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OVERVIEW OF 2ND TRANCHE
(COORDINATED MODELS)

7.2 INTER-DISCIPLINE

COORDINATION CLASHES:

- Perform interference checks for all coloured boxes below
  - The GREEN boxes are compulsory to be checked, if applicable.
- There must be zero interferences

7.3 INTRA-DISCIPLINE

1. OVERLAPS AND DUPLICATES:

- Perform automated interference checks for the same element.
- There must be zero interferences

2. USE OF CORRECT OBJECTS:

- Turn off visibility of all categories except for category to check.
- There must be no instance of any model element not belonging to this category.

3. INFORMATION

- Open prepared schedule
- There must be no instance of any model type using "Generic", "Typical", "Default", or any ambiguous type

4. NAMING CONSISTENCY

- In same schedule, all model types must be named consistently

		ARCHITECTURAL						STRUCTURAL						1	2	3	4	NAMING CONVENTION	REMARKS
		Floor	Wall	Ceiling	Door	Window	(others)	Structural Column	Structural Foundation	Structural Framing	Structural Wall	Slab	(others)						
ARCHITECTURAL	Floor																		
	Wall																		
	Ceiling																		
	Door																		
	Window																		
	Generic Models																		
STRUCTURAL	Structural Column																		
	Structural Foundation																		
	Structural Framing																		
	Structural Wall																		
	Slab																		
	Generic Models																		
MEP	Mechanical Equipment																		
	Ducts																		
	Air Terminals																		
	Pipe																		
	Plumbing Fixtures																		
	Cable Tray																		

Model Checklist Sample provided!



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OVERVIEW OF 2ND TRANCHE
(KPI IMPROVEMENTS)

Funding Level	% KPI Improvements
50%	>20%
70%	>30%

Examples for KPI

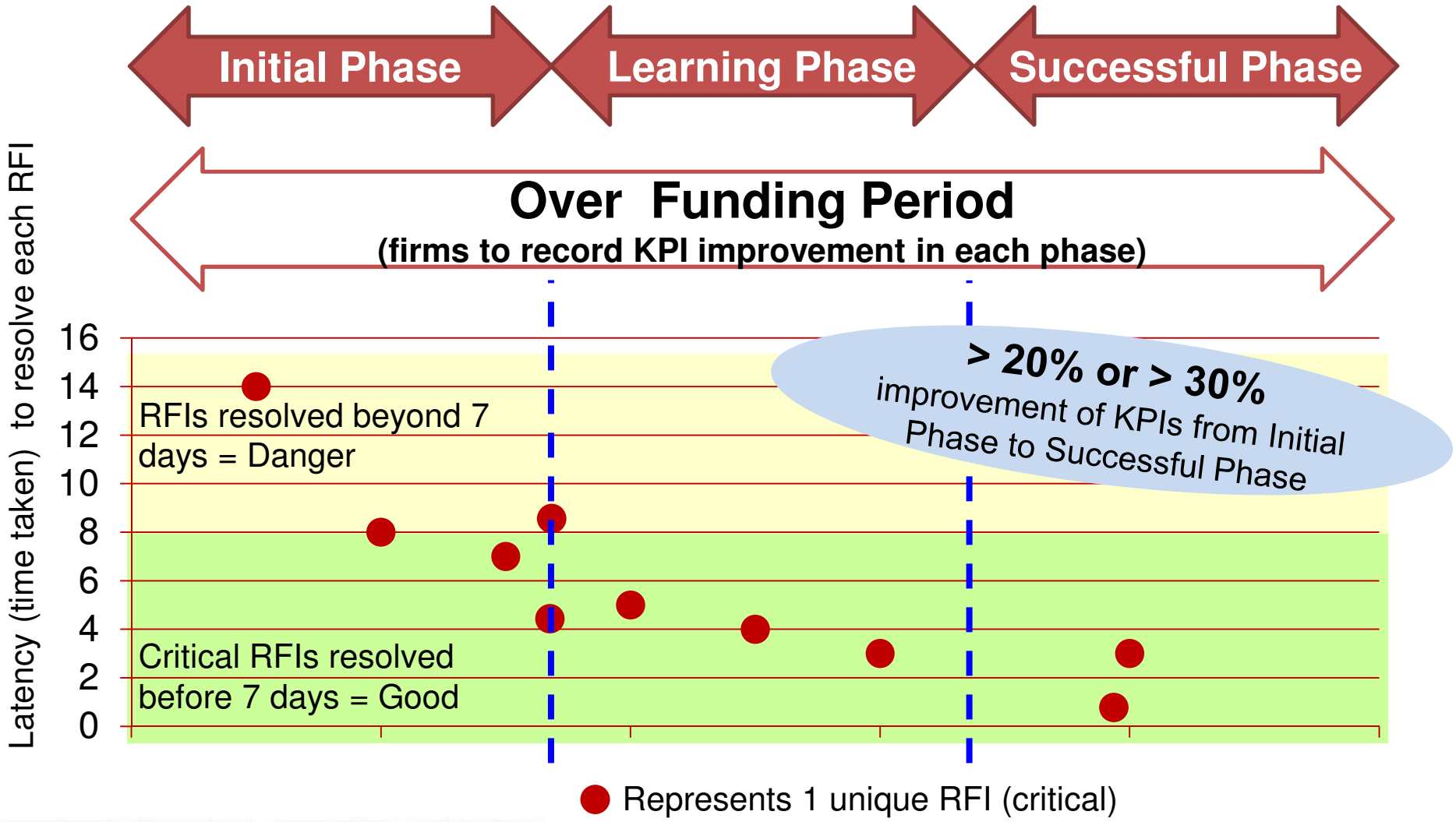
- Time taken to resolve RFIs (between 2 parties, not just consultant-contractor)
- Number of RFIs trend over time (see next slide)



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OVERVIEW OF 2ND TRANCHE
(KPI IMPROVEMENTS)





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SUMMARY OF 2ND TRANCHE
(DELIVERABLES)

Learning points for BIM fund applicants

- Define a good BEP
- Ensure BIM quality during handover
- Conduct BIM collaboration
- Track and monitor KPI that can be derived from BIM collaboration.



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APPLICATION & CLAIM PROCESSES

BEFORE APPLYING

1. Meet the **PROJECT SIZE** and **NUMBER OF DISCIPLINES REQUIREMENTS**

2. Arrange for pre-consultation and present to BCA on proposed **SCOPE OF PROJECT**, **BIM METHODOLOGY** and **EXPECTED OUTCOME**.

3. Prepare all supporting **DOCUMENTS**. Quotations and details for training, software, hardware and consultancy services, where applicable

APPLYING FOR THE FUND ONLINE

1. → BGP

Submit **APPLICATION ONLINE** via Business Grant Portal (BGP) at **https://www.businessgrants.gov.sg** together with supporting documents.

2. 21 DAYS →

Receive your application outcome via email within **21 WORKING DAYS** after pre-consultation presentation.



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APPLICATION & CLAIM PROCESSES

UPON SUCCESSFUL APPLICATION

1. View the **LETTER OF OFFER** online at BGP.
2. Accept the offer online at BGP **WITHIN 1 MONTH**.
3. Start your **CONTRACT OF SERVICE**.
4. Keep all **FINANCIAL RECORDS** (e.g. receipts, invoices etc.).
5. BCA Officer to attend **AT LEAST 1 PROJECT COORDINATION MEETING**.

CLAIMING OF FUNDS

1. Submit your **CLAIM FORM, FINANCIAL AND FINAL REPORT** and **ALL SUPPORTING DOCUMENTS**.
2. Once BCA approves your final report and claim application, you will be reimbursed within 3 months.



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BIM INFORMATION

For more information, please visit

http://www.bca.gov.sg/BIM/bimfund.html



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