IMDA-PSA 5G TRIAL TECH CALL FOR PORTS – PROPOSAL TEMPLATE

# APPLICANT/CONSORTIUM INFORMATION

## COMPOSITION

List down all participating organizations of the proposal, and describe their roles and responsibilities in the consortium. Indicate clearly the consortium lead if any.

# PROJECT SUMMARY

## Executive Summary

Describe the solution and how the Proposal is able to achieve the desired outcome of the Tech Call.

# PROJECT DETAILS

## Project Description

Describe the overall solution of the project.

## Project Objectives

State the specific objectives of the proposed Project.

## 5G Trial Network Deployment

Describe the deployment details e.g. architecture, MEC, RAN deployment, frequencies and bandwidth, massive MIMO etc.

## 5G Trial Network Technical and Functional Features and Capabilities

List and describe all key technical and functional features and capabilities of the network e.g. uRLLC, network slicing, user and control plane latency, network positioning, security and privacy etc.

## 5G Trial Network Roadmap

List and describe the roadmap of any upgrades or enhancements if any during the duration of the trial.

## 5G End-Devices and Support

Describe the plan and details for the 5G end-devices, its features and technical capabilities, the committed number of devices, integration plan etc.

## Technology Innovation

Elaborate on key innovations of the proposal or solution. Compare this Project with similar projects attempted elsewhere. Highlight and explain any innovative use of technology in this Project and how it is different from existing solutions in the market.

## Research & Development, Training Requirements

State any specific research and development and training required to complete the Project

## Critical Success Factors

Describe the factors that may affect the success of the Project and the measures the Consortium intends to take to manage the risk.

# PROJECT DELIVERABLES AND OUTCOMES

## Project Schedule

Proposed date of commencement# : Duration: mths

Estimated date of completion# :

# in dd/mm/yy format

(The proposed Project should not exceed eighteen (18) months in duration. For Projects that exceed eighteen (18) months, please provide justification for the length of the Project.)

## Key Deliverables

Provide a schedule of the key dates for the major project milestones and deliverables in development of the working prototype for testing and trial.

|  |  |
| --- | --- |
| Date | Milestone/Deliverable |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Note: Please add rows if needed.

## Qualitative Outcomes

Describe any qualitative outcomes or benefits to the Participants resulting from the Project.

## Quantitative Outcome Indicators

State the relevant quantitative outcome indicators for the Project such as the cost savings in reduction of labour, response time to customers, amount of goods movement data captured, number of jobs created, etc. Provide an estimate of any long-term performance targets related to the Project that falls outside the Project period. Examples include number of organisations/users along the value chain linked up, cost savings realised when the system is rolled-out to the rest of the organisation and/or particular sector, potential revenue increase due to new capabilities developed, or any patents targeted to be filed.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Performance Indicators | Upon Completion of Project | 1st Year after end of Project | 2nd Year after end of Project | 3rd Year after end of Project |
| 1. |  |  |  |  |  |
| 2. |  |  |  |  |  |
| 3. |  |  |  |  |  |
| 4. |  |  |  |  |  |
| 5. |  |  |  |  |  |
| 6. |  |  |  |  |  |

## Assumptions/ Restrictions/ Conditions

State any assumptions used to qualify the proposed deliverables and outcomes outlined above. Also include any conditions needed in order to ensure the success of the Project.

|  |  |  |
| --- | --- | --- |
|  | Assumptions / Restrictions / Conditions | Impact on Project |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |

Note: Please add rows if needed.

## New Capabilities/ Competencies Developed

Describe new capabilities/ competencies that will be developed by the Participants in the course of pursuing this Project.

Highlight the Patents or Intellectual Property would be generated for this Project.

## Contribution to Industry

Describe how the project will contribute to the ICM and other industries.