

# ACQUISITION CATEGORISATION (ACAT)

Taklimat ACAT



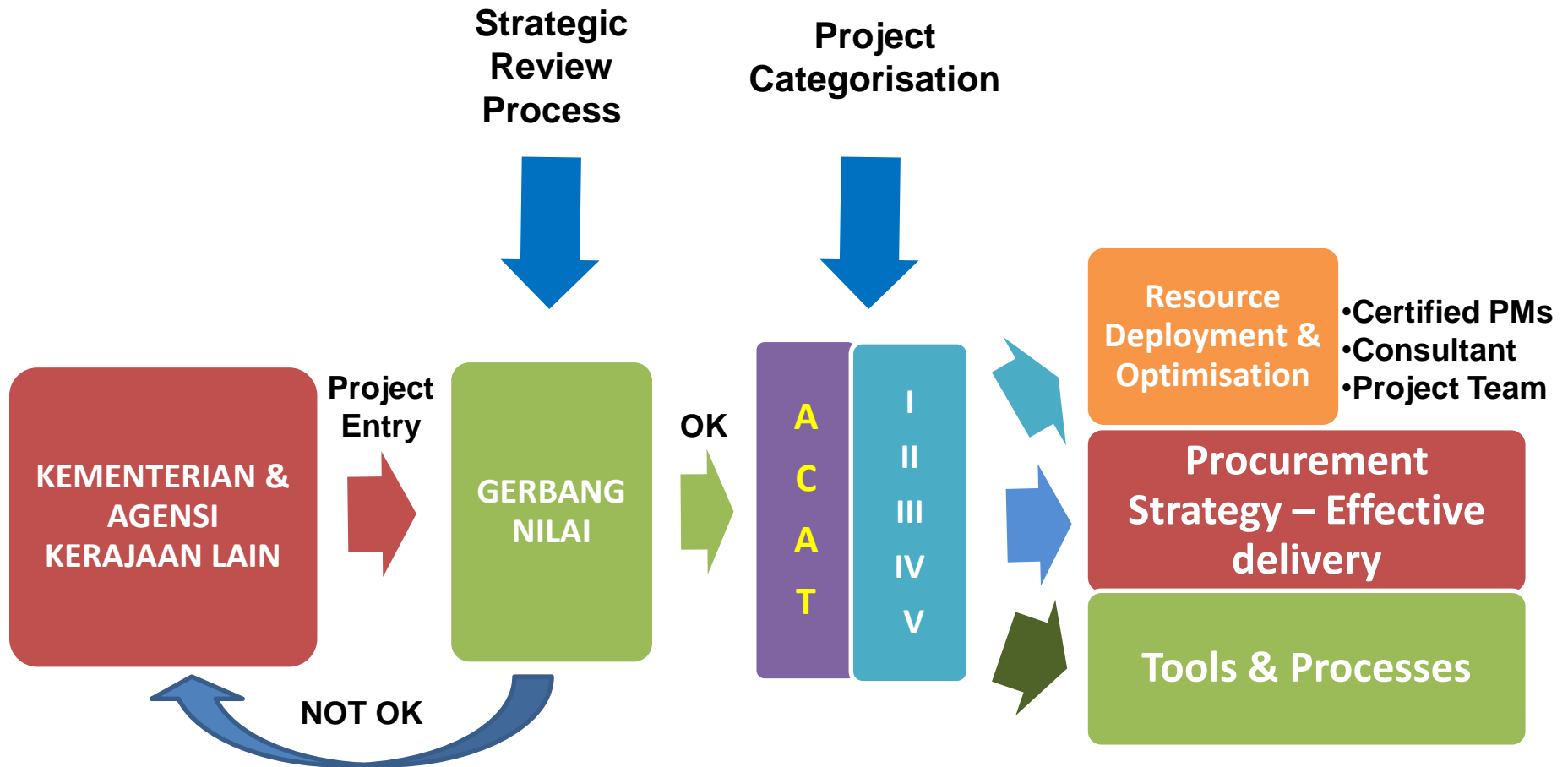
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# What is ACAT?

- ✚ a methodology for categorising projects.
  - ✚ align the complexity of projects with certified experience and competencies of project managers.
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# Why ACAT?

- ensure that projects are categorised in a consistent and logical manner.
- contribute to a common understanding of the broad characteristics of projects.
- enable appropriate project management experience and competencies to be applied to projects.

# The ACAT Guideline consists of:

- Acquisition Category Definitions,
- Project Decision Support Matrix, and
- Categorisation Process.

# ACAT Definitions

## ● ACAT I

- major projects that are normally most strategically significant
- extensive project and schedule management complexity
- very high levels of technical difficulty, operating, support and commercial arrangements

## ● ACAT II

- major projects that are strategically significant
- significant project and schedule management complexity
- high levels of technical difficulty, operating, support arrangements and commercial arrangements

## ● ACAT III

- major or minor projects that have a moderate strategic significance
- traditional project and schedule management techniques
- moderate levels of technical difficulty, operating, support arrangements and commercial arrangements

# ACAT Definitions

## ● ACAT IV

- major or minor projects that have a lower level of strategic significance
- traditional project and schedule management requirements
- lower levels of technical difficulty, operating, support arrangements and commercial arrangements.

## ● ACAT V

- minor projects acquisition that have a lower level of strategic significance
- traditional project and schedule management requirements
- very low levels of technical difficulty, operating, support arrangements and commercial arrangements

# **PROJECT DECISION SUPPORT MATRIX**

ATTRIBTE COMPLEXITY LEVEL	ACQUISITION COST	PROJECT MANAGEMENT COMPLEXITY	SCHEDULE	TECHNICAL DIFFICULTY	OPERATION AND SUPPORT	INDUSTRY
<b>5</b> [ Very Low]	< RM10m					
<b>4</b> [Low]	RM10m- RM100m					
<b>3</b> [Moderate]	RM100m- RM300m					
<b>2</b> [High]	RM300m- RM500m					
<b>1</b> [Very High]	>RM500m					



# SIX MAJOR ATTRIBUTES

## 1. **Acquisition Cost** include cost of:

- *system (i.e buildings, roads, infrastructure and equipment),*
- *lands,*
- *constructions,*
- *consultants,*
- *management*
- *and facilities*

# SIX MAJOR ATTRIBUTES

## 2. *Project Management Complexity*

- *Complexity beyond that associated with traditional project management knowledge areas.*
- *Characterised by project execution environment which is:*
  - *Novel*
  - *Uncertain*
  - *Very high level political interaction*

# SIX MAJOR ATTRIBUTES

## 3. Schedule

- *Complexity brought about by schedule pressures on the project.*
- *Application of varying level of sophistication in schedule management*

# SIX MAJOR ATTRIBUTES

## 4. *Technical Difficulty*

- complexities which are associated with technical undertakings of:
    - *design and development*
    - *location and logistic*
    - *construction/assembly*
    - *coordination/integration*
    - *test, commission and acceptance*
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# SIX MAJOR ATTRIBUTES

## 5. *Operation and Maintenance*

- *Complexity associated with the readiness of the organisation to operated and maintained.*

# SIX MAJOR ATTRIBUTES

## 6. *Industry*

- *The capability of industry to deliver and support the required system/ equipment,*
- *The complexity of the commercial arrangements being managed including*
  - *the number of commercial arrangements*
  - *level of interdependency of commercial arrangement*

# CATEGORISATION PROCESS

- To determine ACAT Level is **not a science** but **sound judgement** by persons having understanding of the characteristics of the project.
- The earlier in the project's lifecycle - the more susceptible are the assessments to change as the project progresses.
- It is important to make these judgements as accurately as possible because of the follow on implications.

# CATEGORISATION PROCESS

## ACAT SCORE CALCULATOR

Attribute	Very High	High	Medium	Low	Very Low	Raw Score	Weight	
Acquisition Cost	x					10	5	
Project Management Complexity		x				9	10	
Schedule		x				9	4	
Technical Difficulty		x				9	7	
Operations and Maintenance			x			7	5	
Industry			x			7	6	Normalised Score
Score						51	316	85
								ACAT II



## RAW SCORE

	Very High	High	Medium	Low	Very Low
ACQUISITION COST	10	9	7	3	1
PROJECT MGMT COMPLEXITY	10	9	7	3	1
SCHEDULE	10	9	7	3	1
TECHNICAL DIFFICULTY	10	9	7	3	1
OPERATIONS & SUPPORT	10	9	7	3	1
COMMERTIAL	10	9	7	3	1

## ACAT LEVEL SCORE

ACAT I	95	100
ACAT II	75	94
ACAT III	50	74
ACAT IV	30	49
ACAT V	10	29

terima kasih