

DIGITAL EA TRANSFER OF KNOWLEDGE

Kementerian / Agensi (SESI 3)

1Government Enterprise Architecture



Presented By:

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ATD Solution



Agenda

08.00 – 08.30 : Pendaftaran

09.00 – 10.00 : Mengenalpasti Gaps & Opportunities, Potential Solution dan Work Package

10.00 – 10.30 : Rehat

10.30 – 12.30 : Aktiviti Bengkel

12.30 – 14.45 : Rehat & Makan Tengah Hari

14.45 – 15.45 : Aktiviti Bengkel

15.45 – 16.00 : Rehat

16.00 – 17.00 : Aktiviti Bengkel

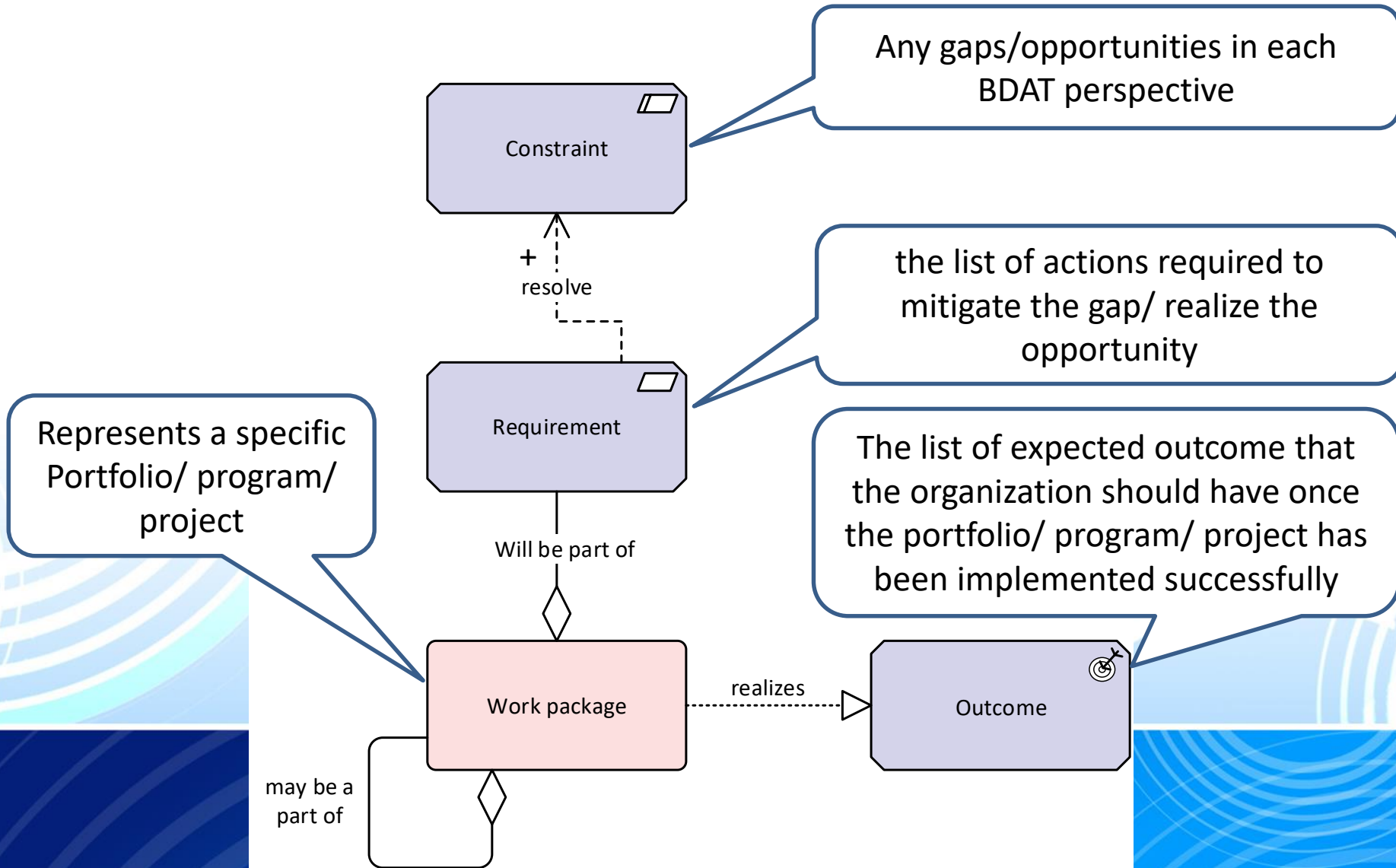
17.00 : Tamat

CONSOLIDATED GAPS, SOLUTIONS & WORK PACKAGE

Consolidated Gaps, Solutions & Work Package

- Consolidated Gaps, Solutions & Work Package is used to
 - list any gaps/opportunities in each BDAT perspective (represented using Archimate object Constraint) in the current product & services offered to the customer
 - Map the gaps/opportunities with the list of actions required to mitigate the gap/realize the opportunity (represented using Archimate object Requirements)
 - Group the list of actions required as a specific portfolio/program/project (represented using Archimate object Work Package).
 - Each portfolio/program/project identified will then be mapped to its expected values/outcome (represented using Archimate object Outcome).
- The exercise will allow organization to
 - Have a clear understanding of what are the pre-requisites of each project, before the project even starts
 - Be more prepared in term of project planning and implementation
 - Develop a strong business case, which is fully justified rather than based on assumptions
 - Identify any dependencies which needs to be addressed in order to ensure the success of a project

Consolidated Gaps, Solutions & Work Package



What can be considered as a gap or opportunities?

Pains that are not being addressed

Creating New Values to the Customer

Insufficient capabilities and resources

Streamlining Existing Services

New channels to provide services

Introduction of new service

Filling a Niche

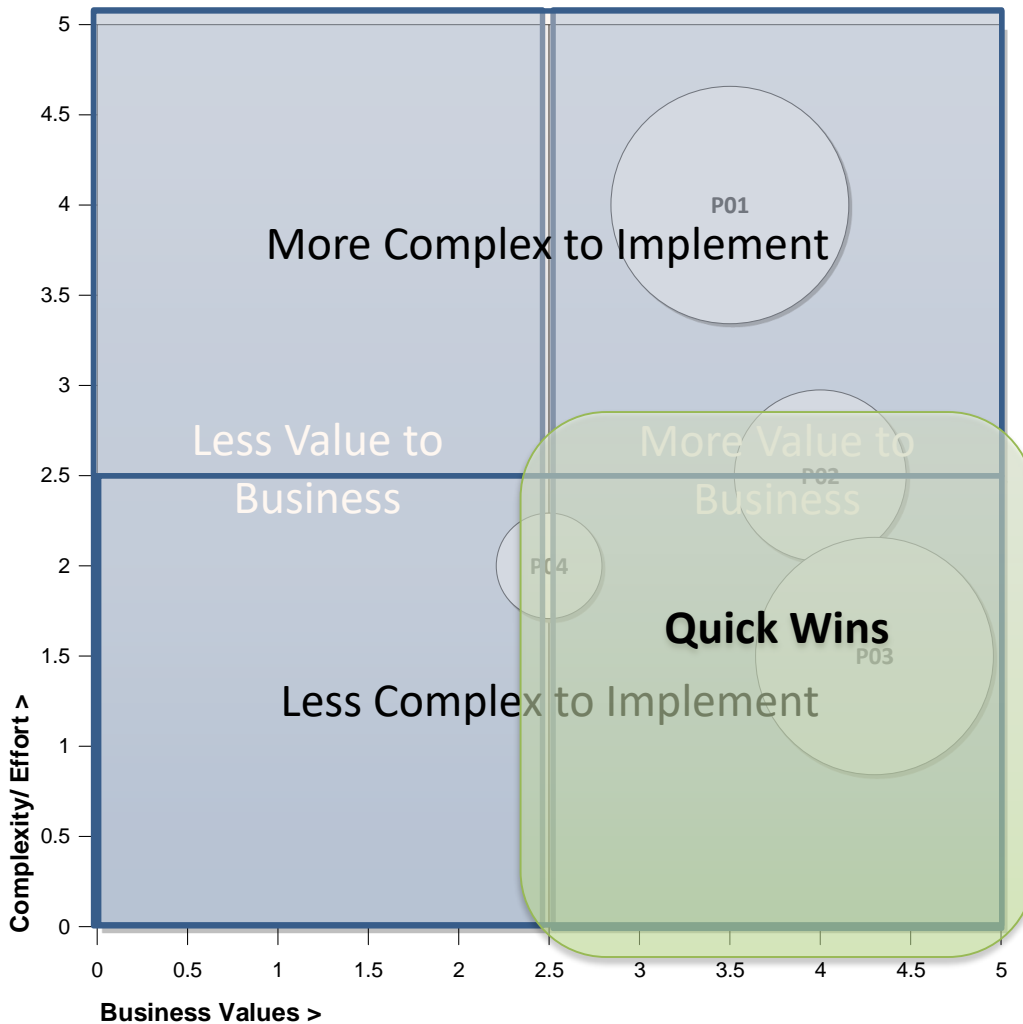
Empowering others to provide service

PROJECT PRIORITY MAPPING

Project Priority Mapping

- Project Priority Mapping allows organization to perform prioritization assessment of the identified projects during Consolidated Gaps, Solutions and Work Package identification exercise, based on
 - The complexity and effort required to implement the project
 - The business values/ outcome that the project will bring to the stakeholders (organization, clients, partners etc)
 - The estimated cost required
- Project Priority Mapping will help organization in
 - deciding which project to focus first (quick wins)
 - justifying the implementation approach to the stakeholders

Work Package Priority Mapping



- P01 Project A
- P02 Project B
- P03 Project C
- P04 Project D

The bigger the bubble, the more expensive the project is expected to be

Example Method to Estimate Project Cost

- Identify which potential solution (identified during Consolidated Gaps, Solutions & Work Package exercise) will incur cost, and which can be absorbed by the organization.
- Some example of potential solution which may incur cost are:
 - Cost to procure service/ product
 - Cost to conduct discussion/ requirement gathering/ workshop
 - Cost for promotion
- **Total Estimated Project Cost** = sum of all potential solutions' estimated cost

Example Method to Identify Project Complexity

		N/A	Low	High		Weight		
		0	1	2	3	4	5	0 - 1
Sponsor	<i>One</i>					1	<i>None /Many</i>	0.5
Project Objectives	<i>Clear</i>					0	<i>Vague</i>	0.5
Mandates (CPIC, Congressional, OMB)	<i>Simple</i>					0	<i>Complex</i>	0.7
Internal Work Processes	<i>Familiar</i>					0	<i>Unfamiliar</i>	0.4
Technical Requirements	<i>Familiar</i>					0	<i>Unfamiliar</i>	0.5
Team Location	<i>One</i>					0	<i>Many</i>	0.5
End User Impact	<i>Low</i>					5	<i>High</i>	0.8
Deadline	<i>Loose</i>					0	<i>Tight</i>	0.8
Initial Project Effort Estimate (+/-75%)	<i>< 160 hrs</i>					0	<i>> 10,000 hrs</i>	0.7
Initial Project Cost Estimate (+/-75%)	<i><\$100,000</i>					0	<i>> \$10,000,000</i>	0.7
Team Expertise	<i>Experienced</i>					0	<i>Inexperienced</i>	0.8
Team Size	<i>1 Person</i>					0	<i>More than 40</i>	0.8
Team Availability	<i>Available</i>					0	<i>Very Limited</i>	0.5
Stakeholder Involvement	<i>2 People</i>					0	<i>More than 80</i>	0.6
External Dependencies	<i>None</i>					0	<i>Many</i>	0.8
Project Complexity Score						0.5		9.6

The United States Department of Agriculture's project complexity assessment methodology

Source: www.fsa.usda.gov

Example Method to Identify Project Value

Dimension	Description	Max Point	Current Point
Statutory requirement	Project is required by law or regulation, or it is needed to comply with state IT standards. No points unless the project fulfills a mandate.	(15 points)	
Improves customer service	The bigger the improvement, the more points.	(15 points)	
Impacts citizens	More points for greater impact.	(10 points)	
Reengineers government processes	The most points for "significant" use of IT to revamp business processes.	(10 points)	
Project participants	The most points for projects needed by every state agency.	(10 points)	
Risk	More points for projects with low technical and business risk and high chance of success.	(10 points)	
Experience and past performance	More points to agencies that are better at achieving project objectives.	(5 points)	
Funding requirements	More points to projects at advanced stages of implementation.	(10 points)	
Additional funding sources	More points to projects for which agencies will share costs with the IT department.	(5 points)	
Financial ROI	The higher the ROI, the more points.	(10 points)	
Project Value = [Total Points] / 20		(100 points)	

WORKSHOP

Workshop 1.0 – Consolidated Gaps, Solutions and Work Package

1. Identify any possible gaps or opportunities from Business, Data, Application or Technology perspective, based on the information captured in Customer Journey Map and Capability Map that has been developed during Session 1 & 2
2. Identify what are the steps (Potential Solution) that needs to be taken to mitigate the gap/ realize the opportunity identified, and asses the dependencies of the solutions.
3. Group the solutions based on its scope and dependencies as a specific project.
4. Map each project to its respective expected outcome (Gain captured during Value Proposition canvas)

Workshop 2.0 – Project Prioritization Map

1. Assess each identified project's estimated cost, complexity, and values
2. Add these information into Project Prioritization Map

