Digital Enterprise Architecture
To Support Effective and Efficient Statistical Production

Action Area D. Modernizing statistical business processes (SD1)
Six Modernization Approaches for Your Statistical Business

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PROBLEM
“silos”

Business Process
- There is no standard in statistical production business process
- Same sample category/group target

Data
- Variable redundancy
- There is no data standard

Application
- Application Redundancy
- There is no standard application development platform
- Unintegrated Application

Skill, Knowledge and Competency
- Skill, knowledge and competency has not meet expectations
- Excess Workload
BPS Initiative to measure the effectiveness of business process in order to maximize business value.
HOW DEA WORKS

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DEA Current Architecture

Analyse

Grouping

Map

High Level Application Usage View (2)

Business Process
Business Function
Business Service
Business Event
Data/ Information Object
Application Component
Involved Roles
Infrastructure

Target Architecture

0. Specify Needs
1. Design
2. Build
3. Collect
4. Collate
5. Process
6. Analyse
7. Disseminate
8. Evaluate

Survey Management System (SMS)
Frame and Register System (FRS)
Integrated Collection System (ICS)
Metadata Management System (MMS)
Data Management System (DMS)
Geospatial System (GS)

Integrated Processing System (IPS)
Integrated Dissemination System (IDS)
Integrated Classification System (ICS)

Statistical Business Framework and Architecture

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# HOW DEA CHANGES THE BUSINESS PROCESS

<table>
<thead>
<tr>
<th>Information from DEA Repository</th>
<th>Initiative</th>
<th>Role Of DEA</th>
<th>The Changes &amp; benefit</th>
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</table>
| Business Process Redundancy     | Build Integrated Application    | • Provides information on which subject matters are doing similar business processes  
• Provides information what kind of information object needed, the data standards, the actor that plays the role, business function, application function, etc. These will support the development of integrated application | • Each subject matter will no longer carry out the application development phase  
• Maintain data validity and Consistency                                                                                           |
| Variable Redundancy             | Integration Survey              | • Provides information which surveys need the same variable, what kind of variable, the source of variable  
• Provides information which surveys has the same sample group target                                                                 | reduction in the number of surveys or statistical production activities          |
Virtual Event 15-18 June 2020
2020 Asia-Pacific Statistics Week
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**BENEFIT**

- Business Strategic Planning
- Business – IT Alignment
- Greater Efficiency
- Reduce Cost
- Support decision making

**CHALLENGE**

- Commitment
- Involvement
- Continuity
- Maintenance
- Readiness to Transform

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THANK YOU