TOWARDS AN ENTERPRISE ARCHITECTURE FOR PUBLIC ADMINISTRATION:
A TOP DOWN APPROACH

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**Enterprise Architecture**

**A Framework**

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The Top Down Approach

What are the main tasks performed by PA?
How can they be decomposed and specialized.
The Bottom Up Approach

Document Processes performed by PA

Create Generic Models using Generalization

AS-IS Modeling

Populating the HOW column in the Zachman Framework

A

B

C

GENERIC PROCESS MODELS FOR PA
1. Understand Markets and Customers
2. Develop Vision and Strategy
3. Design Products and Services
4. Market and Sell
5. Produce and Deliver for Manufacturing-Oriented Organization
6. Produce and Deliver for Service-Oriented Organization
7. Invoice and Service Customers
8. Develop and Manage Human Resources
9. Manage Information Resources
10. Manage Financial and Physical Resources
11. Execute Environmental Management Program
12. Manage External Relationships
13. Manage Improvement and Change

• A. Browne and A. Wildavsky, “Should Evolution become Implementetion”, in Pressman and Wildavsky, 1984


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What are the main tasks performed by PA?

- Provide Service
- Formulate Public Policy
- Support Operations
Decomposing the "Provide Service" Major Process

Provide Service

- Design Service
- Finance
- Produce
- Communicate & Deliver
Decomposing the "Formulate Public Policy" Major Process

Formulate Public Policy

- Agenda Setting
- Issue Filtration & Definition
- Forecasting
- Setting Objectives & Priorities
- Options Analysis
- Policy Implementation, Monitoring & Control
- Evaluation & Review
- Policy Maintenance, Succession & Termination

Specializing the "Support Operation" Major Process

WHAT

Support Operations

- Human Resources
- Information Resources
- Economic & Physical Resources

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Specializing the "Provide Service" Major Process

1st Level
- Public Goods
- Regulators

2nd Level
- Centrally
- Regionally
- Locally

WHAT
- Provide Service
- Common Classification

WHO
- Administrative Acts
- Judicial Decisions
- Distributive
- Redistributive

J.M. Buchanan, Freedom in Constitutional Contract, College Station: Texas A&M University Press, 1977
The **Federal Enterprise Architecture** *(USA)*

CIO Council Initiative

Based on

- Zachman Framework
- Enterprise Architecture Planning by St. H. Spewak
## The State of The Art

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<th>Meta-Frameworks, Frameworks and Methodologies, for Generic Modeling</th>
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<td>- Phios Repository</td>
<td>- Grammar of Processes</td>
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<td>- Computer Integrated Manufacturing Open System Architecture (CIMOSA)</td>
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ENTERPRISE ARCHITECTURE FOR PUBLIC ADMINISTRATION

Zachman Framework

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