# Integrate IT Strategic Planning with Performance Measurement

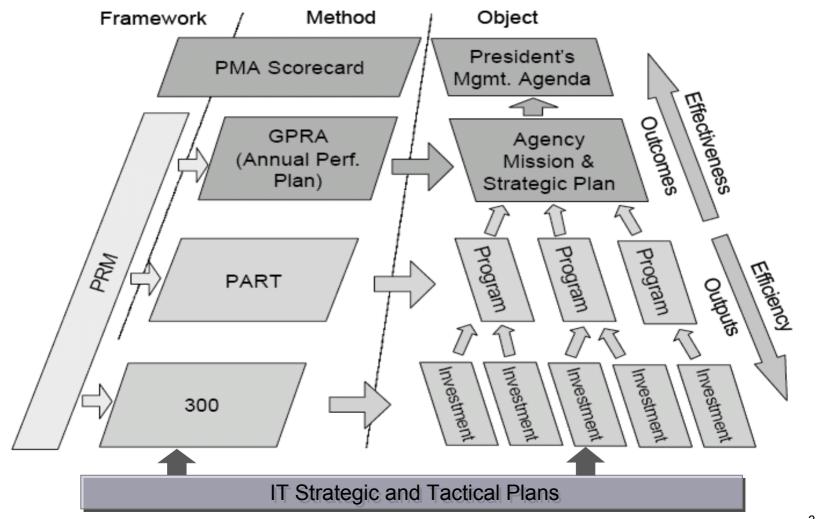
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Oct., 2010

## **Content Summary**

This presentation discusses a full scope practice mechanism and comprehensive components involved for IT strategic planning and performance measurement integration in federal government domain. It contains:

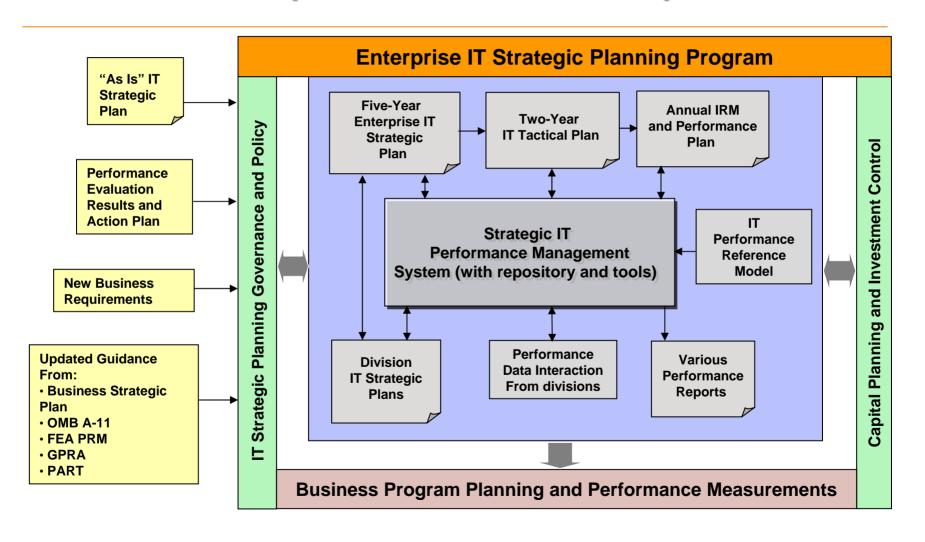
- The landscape of strategic planning and performance measurement
- IT strategic planning structure, model, and lifecycle for practice
- Performance measurement model
- IT strategic planning and performance measurement integration
- Performance management system

# Landscape for Strategic Planning and Performance Measurement

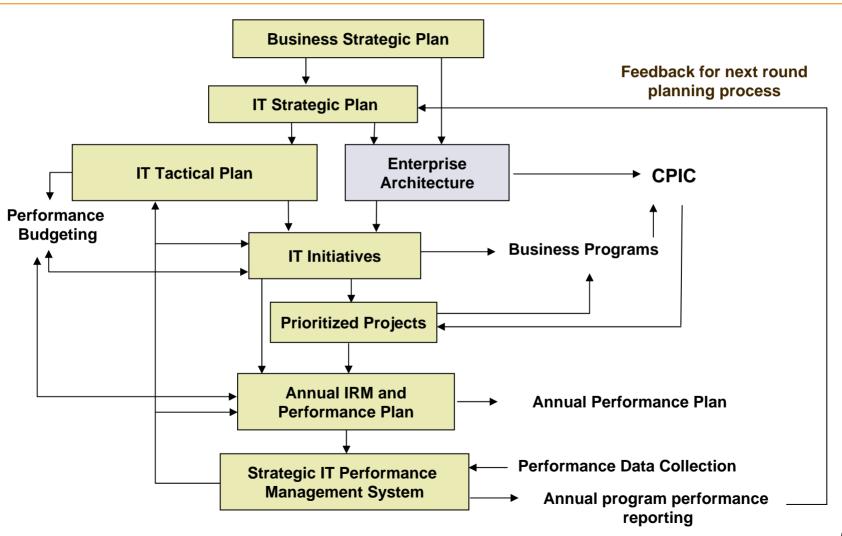


## **IT Strategic Planning Structure**

## -- Components and Relationships



## IT Strategic Planning Model



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# IT Strategic Planning Lifecycle Framework

### **Context Understanding**

- Business goals, objectives, outcomes, and Strategic Plan
- Existing IT Strategic Plan
- · IT baseline and performance results
- External drivers: legislation, policies, technology, standards, etc.
- Internal drivers: Secretary's priorities, business needs, customer/stakeholder requirements, IG audits, etc.



#### **Performance Measurement and Evaluation**

#### **Performance Management System**

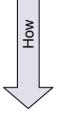
- · Performance reference model
- · Performance measurement methodologies
- Performance measurement processes (in performance data collection, analysis and reporting)
- Performance measurement tools (to support performance tracking, analysis, and reporting, as well as decision-making)

### **Strategy Development**

#### **Five-Year Enterprise IT Strategic Plan**



- IT mission and vision
- IT goals and objectives
- Performance goals and measures
- IT strategy model
- IT strategic planning framework
- IT strategic planning program
- Linkage with the Tactical Plan and Performance Management System





#### **Strategy Implementation**

#### **Two-Year Tactical Plan**

- Strategic plan for IT infrastructure based on EA
- IT initiative update, with performance goals, measurements, and alignment with EA

### Performance Budgeting & CPIC processes

#### **Annual IRM and Performance Plan**

- IT and management initiatives in scope
- Performance goals, targets, and measures
- Update of operational roadmap

# Performance Measurement Model and Examples -- Planned Measures

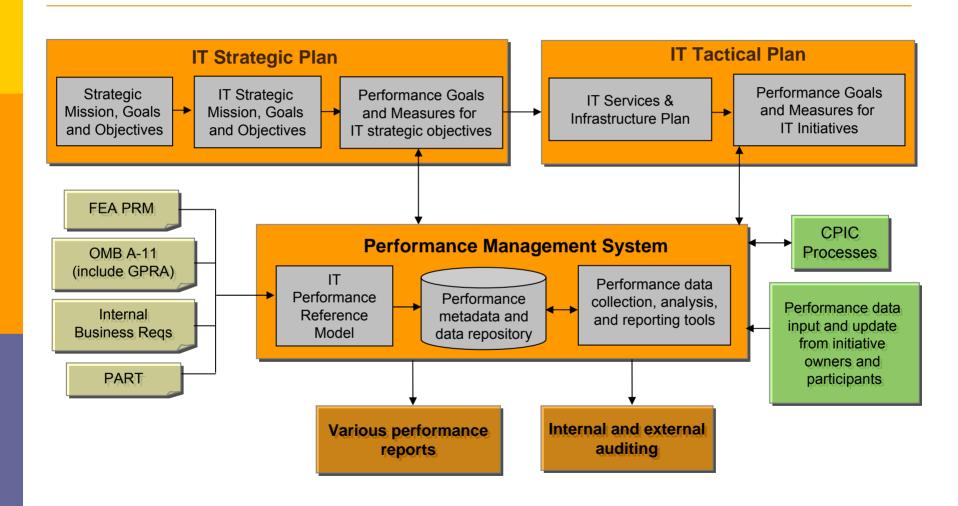
11 Strategic Objectives	Performance Goals	Performance Measures	Performance indicators
Provide integrated information services across internal agency, external partners, and the public.	<ul> <li>Goal 1: Improved integration of public service information</li> <li>Goal 2: xxxxx</li> </ul>	<ul> <li>Percentage of data sources integrated</li> <li>Percentage of systems interoperable</li> </ul>	<ul><li>Data sources integrated: 60%</li><li>Systems interoperable: 50%</li></ul>
Guidance	Guidance	Guidance	Guidance
Initiative Objectives	Performance Goals	Performance Measures	Performance Indicators
Initiative A Objective: Integrate Systems and Services	Interoperable systems and services for selected business areas	<ul> <li>Percentage of systems and services integrated</li> <li>Percentage of interoperable systems and services</li> </ul>	<ul> <li>Systems and services integrated: 60%</li> <li>Interoperable systems and services: 50%</li> </ul>
Initiative B Objective: Integrate Data Management Systems	<ul> <li>A federated data management system</li> </ul>	<ul> <li>Percentage of the data management systems joined federation</li> </ul>	Data management systems joined federation: 60%
Initiative C Objective: Consolidated Health Informatics	<ul> <li>Established standard for Federal agencies and departments</li> </ul>	<ul> <li>Standard coverage for informatics domains</li> <li>Stakeholder adoption and acceptance</li> </ul>	<ul><li>Standard coverage: 65%</li><li>Stakeholder adoption and acceptance: 80%</li></ul>

# Performance Measurement Model and Examples -- Actual Results

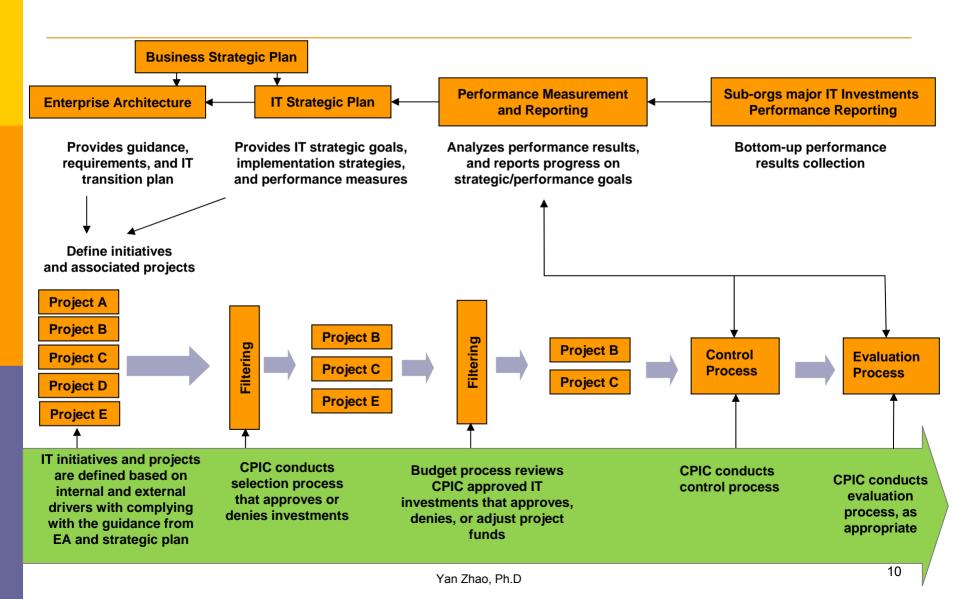
Performance Outcome

IT Strategic Objectives	Performance Goals	Measures	Indicators
Provide integrated information services across internal agency, external partners, and the public.	<ul> <li>Goal 1: Improved integration of public service information</li> <li>Goal 2: xxxxx</li> </ul>	<ul> <li>Percentage of data sources integrated</li> <li>Percentage of systems interoperable</li> </ul>	<ul><li>Data sources integrated: 60%</li><li>Systems interoperable: 50%</li></ul>
Implement	Implement	Feedback	Roll-up
Initiative Objectives	Performance Goals	Outcome Measures	Outcomes Indicators
Initiative A Objective: Integrate Systems and Services	Interoperable systems and services for selected business areas	<ul> <li>Percentage of systems and services integrated</li> <li>Percentage of interoperable systems and services</li> </ul>	<ul> <li>Systems and services integrated: 51%</li> <li>Interoperable systems and services: 49%</li> </ul>
Initiative B Objective: Integrate Data Management Systems	A federated data management system	Percentage of the data management systems joined federation	Data management systems joined federation: 60%
Initiative C Objective: Consolidated Health Informatics	<ul> <li>Established standard for Federal agencies and departments</li> </ul>	<ul> <li>Standard coverage for informatics domains</li> <li>Stakeholder adoption and acceptance</li> </ul>	<ul><li>Standard coverage: 66%</li><li>Stakeholder adoption and acceptance: 81%</li></ul>

# Framework for IT Strategic Plan and Performance Measurement Integration



# Integration of Strategic Plans, CPIC, and Performance Measurement



## **Performance Management System**

- The Performance Management System consists of:
  - Performance Measurement Approach
  - Performance Reference Model
  - Performance Measurement Model (Matrix)
  - Performance Measurement Process Model
  - Performance Measurement Tools
  - Performance Management Framework
- It enables actual performance measurements and tracking of initiatives, programs, and projects, as well as alignment with IT strategic objectives

## **Performance Measurement Approach**

- Identify roles and responsibilities for performance measurement
- Identify measurement models and processes
- Define methods for performance measurement, analysis, and reporting
- Identify tools for performance measurement and data management support

### **Performance Reference Model**

- A Performance Reference Model can be created based on FEA Performance Reference Model and performance measurement guidance from OMB A-11, GPRA, PART, GAO, internal business requirements, etc. The content for an agency PRM can include:
  - Measurement areas and categories (what is measured)
  - Multi-dimensional performance indicators
  - Performance matrix
- The Performance Reference Model for IT can be considered as a sub-model.

## Performance Reference Model (2)

Measurement Areas	Measurement Categories	Measurement Dimensions	Performance Indicators
Performance Measurements for Strategic Objectives	List of the performance goals (created based on strategic objectives and BRM)	List the measurement dimensions for each performance goal	List the performance indicators for each performance dimension
Customer Results Measurements	List of categories for customer results measurements	List the measurement dimensions for each category	List the performance indicators for each performance dimension
Business Programs, Processes, and Activities Supported	List of the supported programs, processes, and activities	List the measurement dimensions for each program, process, or activity	List the performance indicators for each performance dimension
Technology Measurements	Infrastructure, services, applications, systems, etc.	List the measurement dimensions for each category	List the performance indicators for each performance dimension
Capital Planning and Budgeting	List of categories for capital planning and budgeting	List the measurement dimensions for each category	List the performance indicators for each performance dimension
Resource Management	List of categories for resource management	List the measurement dimensions for each category	List the performance indicators for each performance dimension

### **Performance Measurement Process Model**



Source: HHS

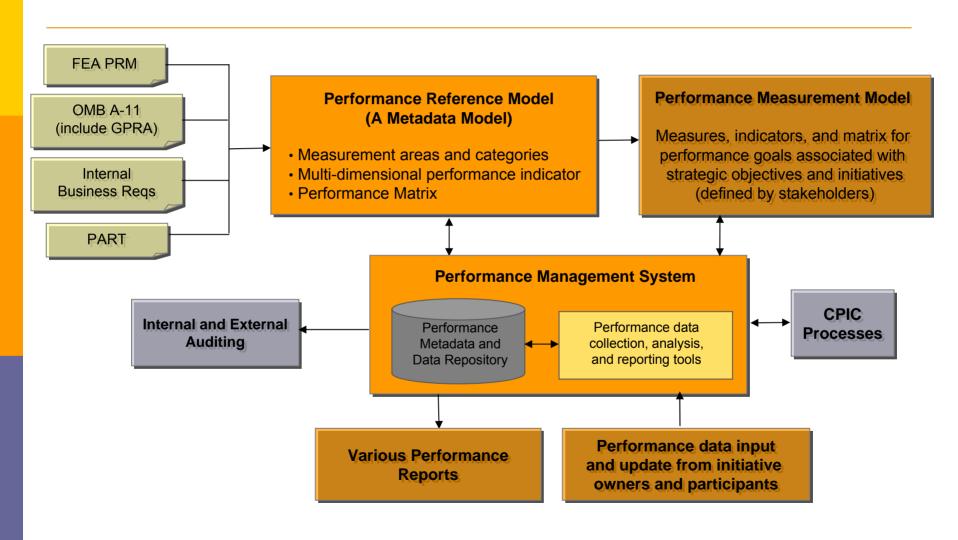
### **Performance Measurement Tools**

# The Performance Measurement Tools can be selected in the following categories:

- Performance measurement portal website
- Performance data collection tool
- Performance data analysis tool
- Performance data repository and reporting tool

\*\* Different COTS products can be used for separate categories of tools, also one COTS product may be applied to multiple categories

## **Performance Management Framework**



### Conclusion

### This presentation discussed:

- The background of IT strategic planning and performance measurement in federal government
- The structure and models proposed for IT strategic planning and performance measurement
- The practice recommendations for IT strategic planning and performance measurement integration

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