

FSA
Enterprise Architecture
September 2002

Business-Technology Alignment (BTA)

Enterprise Architecture

- *Enterprise* – an organization supporting a defined business scope and mission
- *Architecture* – the arrangement of interrelated elements with the principles and guidelines driving their design and evolution
- *Enterprise Architecture Components* – the graphics, models, and definitions that comprise the enterprise environment

Why Have an Enterprise Architecture?

- Provide multiple, integrated views and perspectives of FSA as an enterprise
- Identify systems and applications that do not support the business objectives.
- Align technology to business and business to strategy
- Facilitate systems interoperability
- Comply with the Clinger-Cohen Act of 1996
- Satisfy OMB requirements

Stages of the Enterprise Architecture Maturity Model*

- Stage 1 – EA Awareness
- Stage 2 – Select a framework and an automated tool
- Stage 3 – Populate the tool
- Stage 4 – Integrate the data, business, technology, network, people, schedule, and security
- Stage 5 – Maintain the tool and implement metrics for measuring EA benefits

(* the maturity model was developed by the General Accounting Office (GAO) to evaluate federal agencies and departments).

ED Office of Inspector General (OIG) Internal Audit of the ED & FSA EAs

- A draft audit report was circulated in July 2002 and evaluated both EAs.
 - The Department of Education was assessed to be generally at Stage 2
 - The FSA was assessed to have completed some Stage 4 core elements
- While both EAs are progressing, they are at different points in the effort.



Data

Business Function

Security

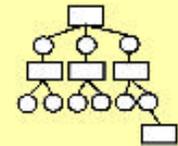
Network

People

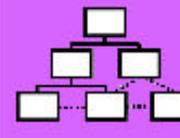
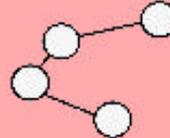
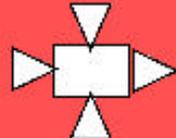
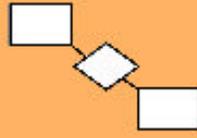
Schedule

Strategy

Scope



Enterprise Model

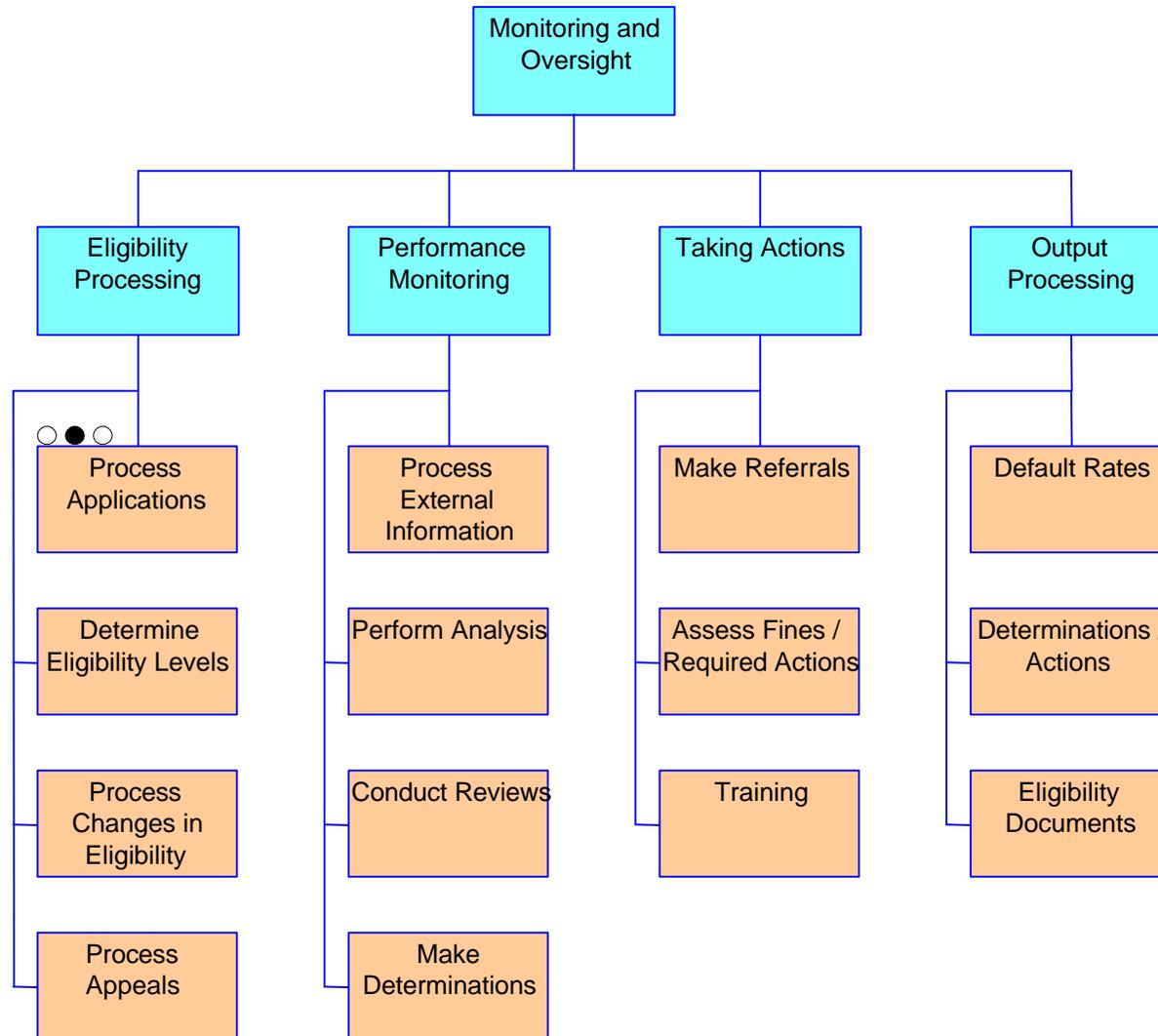


System Model

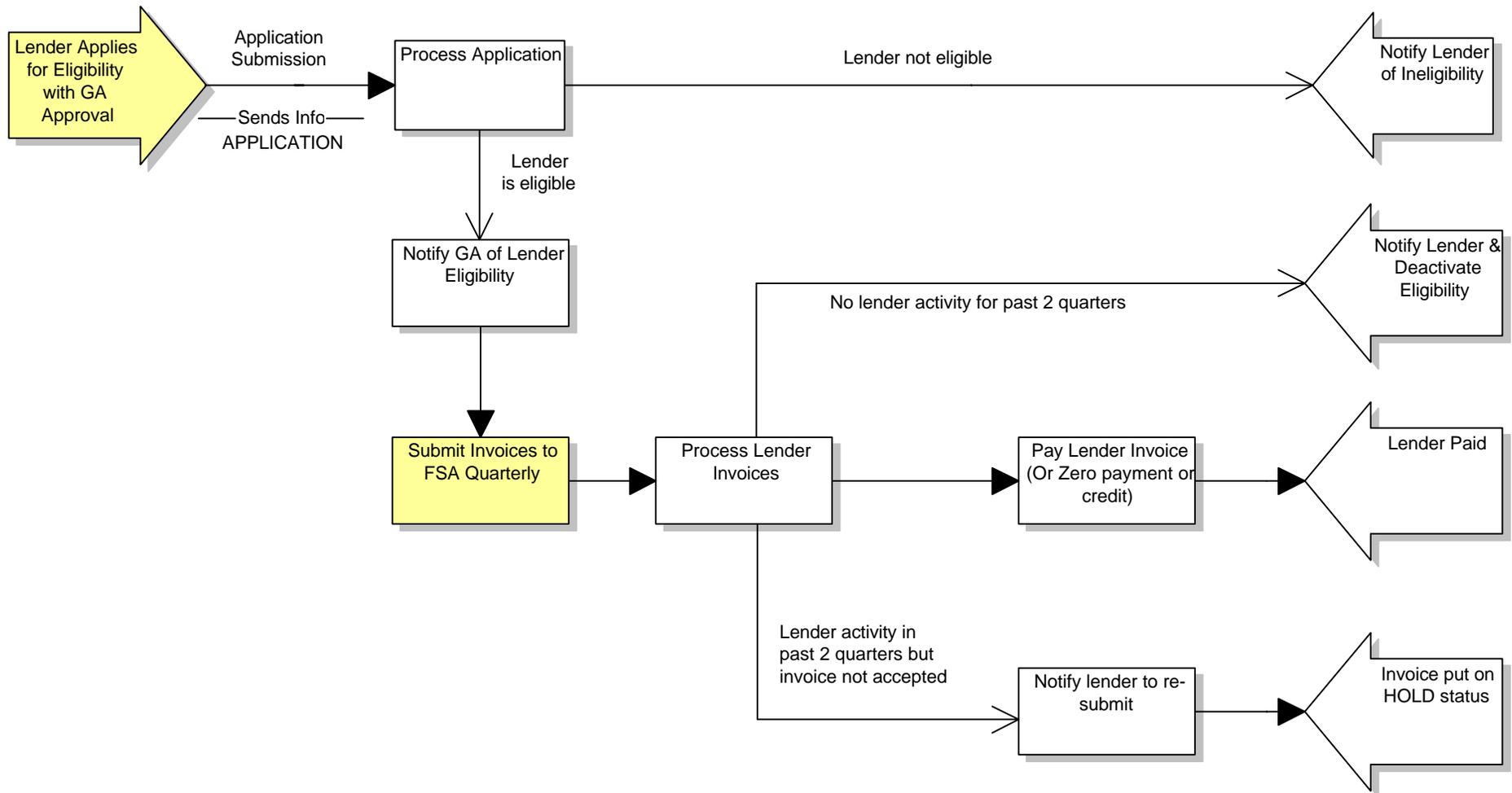
Technology Model

Components

Sample EA Business Function Hierarchy Model



Sample EA Business Process Model



Next Steps for FSA's EA for FY03...

- Continuing to populate the tool
- Validate the inter-relations between areas
- Integrate with the Department of Education
- Develop EA benefit metric