

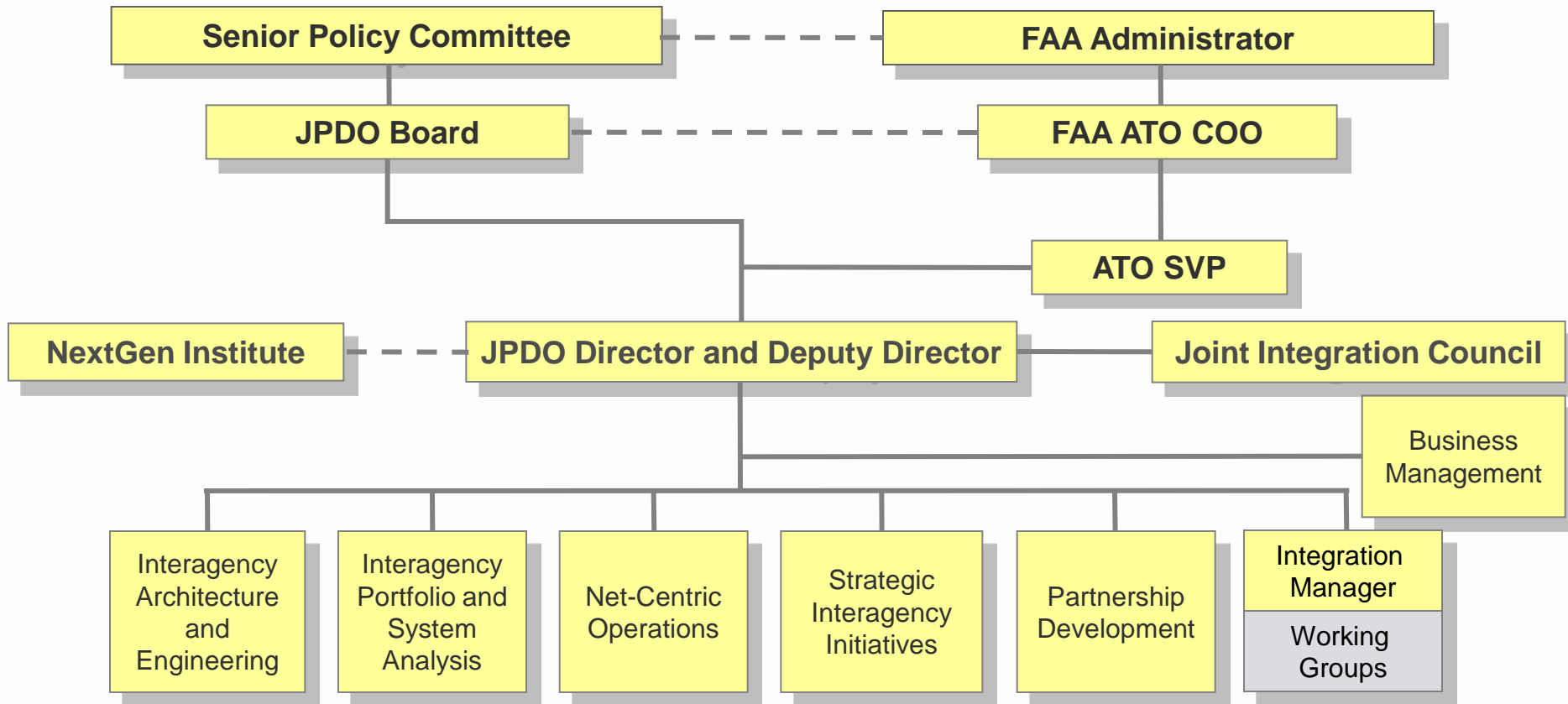
Net Centricity For NextGen

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Joint Planning and Development Office (JPDO)

NextGen: The Short Story

- NextGen is a **Congressionally mandated** initiative to modernize the U.S. Air Transportation System in order to:
 - Increase **capacity** and **reliability**
 - Improve **safety** and **security**
 - Minimize the **environmental impact** of aviation
- ***Net Centric? : applying network methods and technologies to improve or transform operations and/or processes***

JPDO Organization



Governance

- Senior Policy Committee
- JPDO Board of Directors

Industry Leadership

- NextGen Institute Management Council (IMC)

Interagency Coordination

- CIO Board
- Joint Architecture & Engineering Board

Net-Centric Operations

What are we going to net-enable?

- Operational Improvements included in the NextGen ConOps and JPDO Integrated Work Plan
- Everything “curb to curb” – and beyond
- Includes all National Airspace System constituents

We net-enable desired operational outcomes

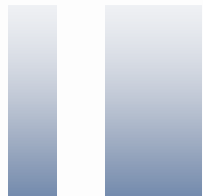


Real World Example

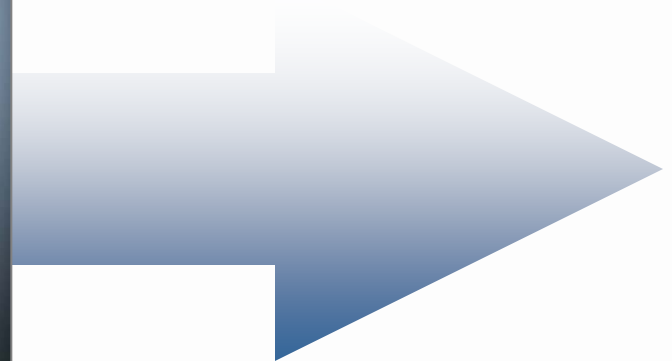
Using network technologies and methodologies to improve or transform a process or operation

“Get the cash I need”

OLD WAY



NEW WAY



Real World Example

“Get the cash I need”

Process transformed

Technology/methodology	Transformation/improvement
Role based access	Increased Security
Federation	Access anywhere, anytime
Distributed access	Greener, faster, safer
Governance	Improvements, guarantees
...	...
...	...

NextGen Example

“Get the right weather information”

“Make best use of Special Use Airspace”

“Maximize sharing of surveillance information”

“Operate with less expense and bad emissions”

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Net-Centric Operations

Current activity focus:

- Pilot a weather service
- Integrated Surveillance ConOps
- Net-centric related concept demonstrations
- Leverage other successes

What Can You Do To Help?

- Support our Net Centric Operations Working Group
 - See requirements on NextGen Institute Web Site
 - Contribute to our wiki page
- Support emerging Communities of Interest
- Pass along best practices
- Remain open to interagency solutions