

**Charter
Emerging Technology Subcommittee
Architecture and Infrastructure Committee
Federal CIO Council**

Authority

Leveraging Technology is an established function of the Architecture and Infrastructure Committee (AIC) of the Federal CIO Council. The Federal CIO Council is authorized under the Clinger-Cohen Act of 1996.

Purpose

The Leveraging Technology (LT) function of AIC is a group of working groups that identify technologies with the potential to improve the value and quality of the Federal Enterprise Architecture (FEA). The Leveraging Technology function will examine cross-cutting components (e.g., XML, Universal Access, Standards, PKI and Web Services) and develop recommendations for their use in the federal government.

Expected Outcomes

Each working group supporting the LT function will contribute toward these outcomes:

- Improved value and common understanding of the FEA.
- Development of performance models of realistic business scenarios to anticipate performance outcomes and mitigate risks.
- Faster adoption of validated capabilities for FEA adoption, based on registry creation and pilot findings.
- Better understanding of FEA tradeoffs as established and emerging technologies compete and converge.
- Greater FEA valuation and longer component life-cycles through market-based, open standards technologies and decreased usage of proprietary technologies (OMB Circular A-119).

Deliverables

The LT working groups will each be responsible to:

- Hold regular open workshops exploring their respective technology areas, and their application to electronic government. They will explore issues such as: How can we accelerate shared trust, learning and multi-sector partnerships? How can these partnerships facilitate the broad participation needed for the creation of an FEA that sustains citizens, empowered by government information, to serve and be served in their communities?
- Establish an organizing “incubator” process to accelerate the discovery, creation, validation, and maturation of EA components most likely to yield strategic contributions to the joint OMB and CIOC architecture efforts. When a candidate technology or changing condition is identified, a team will be commissioned to conduct a proof of concept. Adoption of the new approach or technology into FEA will be supported, if warranted.

Leadership and Membership

The Leveraging Technology focus is represented by members of the AIC who lead technology working groups such as XML, Universal Access, Standards, Federal PKI Steering Committee, and Web Services. The change in scope and function reflects evolution to a more formal discovery and validation process for identifying high potential technologies that may span or be outside the scope of current affinity group activities. This collaborative process will mitigate risks to FEA and maximize its value and quality. This

coordinated change management capability for FEA is needed to retain the greatest value from infrastructure assets over time, within a complex environment of perpetual technology transition.

Leaders are nominated by AIC members and voted on by the Committee.

Members are drawn from across federal government, and include: current and new affinity groups, solutions architects, portfolio managers, e-Gov teams, and counterparts with shared goals from state and local government, non-governmental organizations, universities, and industry associations. Respective agency support (both time and budget dollars) is anticipated to support dedicated participation required to reach shared OMB and CIOC goals. In addition, external relationships with a variety of organizations support effective advances on shared challenges and opportunities. Examples include:

- Voluntary standards organizations (e.g. W3C, OASIS, etc.) whose emerging standards form the foundation for e-Gov pilot implementations and recommendations to OMB.
- Continued joint sponsorship of monthly collaboration expedition workshops with the Interagency IT R&D Working Group, White House Office of Science and Technology Policy.