XML Working Group Brainstorming Report

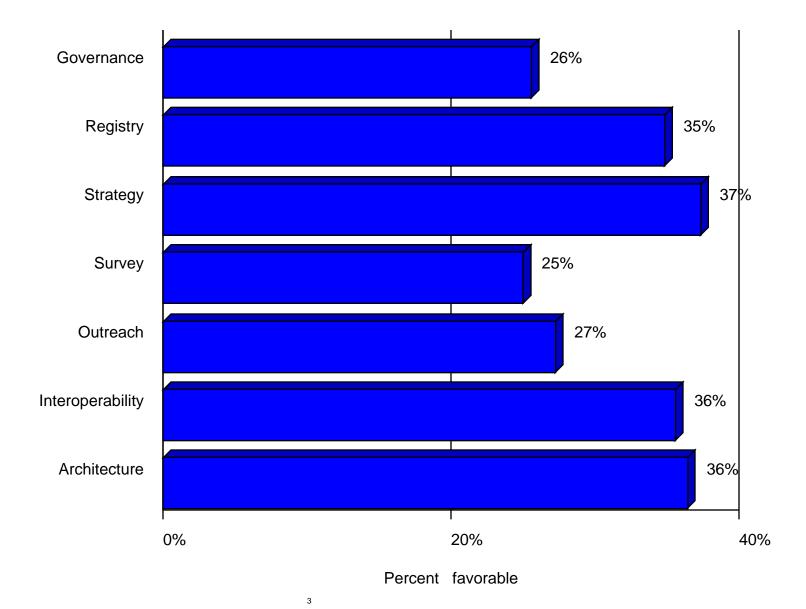
## Prepared by Raosoft, Inc.

www.raosoft.com



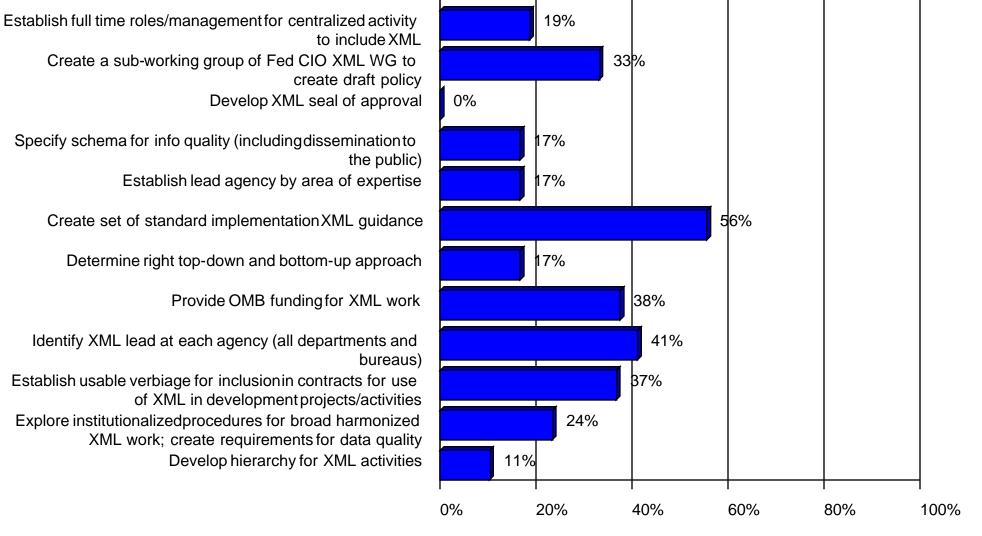
XML Working Group Brainstorming

# Summary of Results



#### Governance

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Create a sub-working group of Fed CIO XML WG to

Specify schema for info quality (including dissemination to Establish lead agency by area of expertise

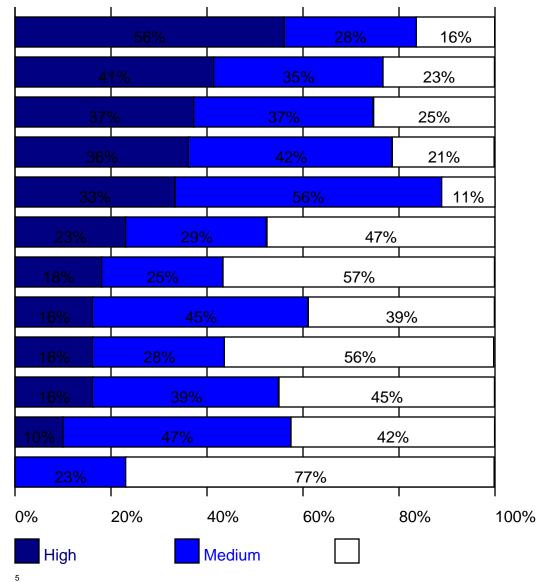
Create set of standard implementationXML guidance

Determine right top-down and bottom-up approach

Identify XML lead at each agency (all departments and

Establish usable verbiage for inclusionin contracts for use of XML in development projects/activities Explore institutionalized procedures for broad harmonized XML work; create requirements for data quality

#### Governance



Create set of standard implementation XML guidance

Identify XML lead at each agency (all departments and bureaus) Provide OMB funding for XML work

Establish usable verbiage for inclusion in contracts for use of XML in development projects/activities Create a sub-working group of Fed CIO XML WG to create draft policy

Explore institutionalized procedures for broad harmonized XML work; create requirements for data quality Establish full time roles/management for centralized activity to include XML

Specify schema for info quality (including dissemination to the public)

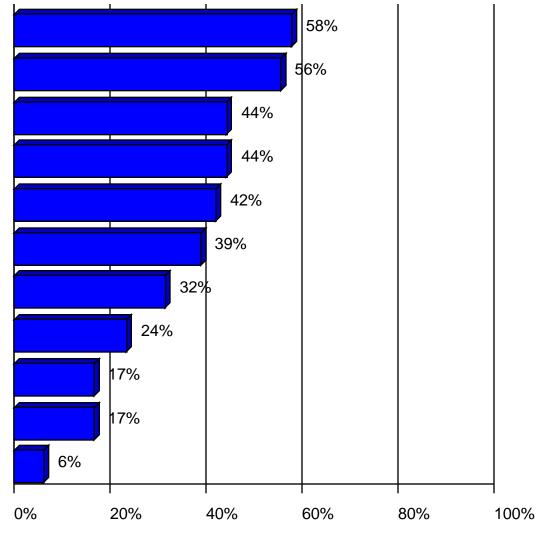
Determine right top-down and bottom-up approach

Establish lead agency by area of expertise

Develop hierarchy for XML activities

Develop XML seal of approval

# Registry



Develop project plan for XML registry

Identify processes for tracking and sharing standards efforts

Establish registry for templates (cross-agency work)

Demonstrate Fed XML registry interoperability with distributed implementation at other levels of government Define procedures nor XML registry

Develop business plan relative to management of registry in terms of ability to operate registry Establish library of use cases

Support Fed CIO XMLWG as a clearing house

Register 500 most popular data elements using ISO BSR

Establish procedures for discovery; see G2C/use cases

Define standard verbiage for XML registry IP constraints

Percent

# Registry

7

		1				1
58%			27%		15%	ļ
56%			33%		11%	1
44%		33%		22%		]
44%		33%		22%		]
42%		42%			15%	
39%		39%		22%		1
32%		37%	32%			
23%	35%		4	.1%		
16%	39%		45	5%		
16%	73%				11%	
6%	57%		37%			
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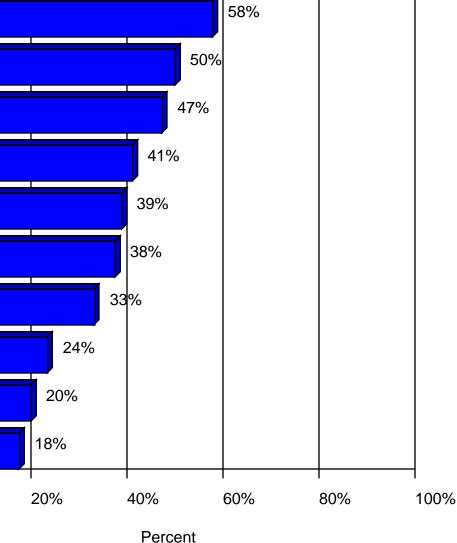
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### Strategy

Create strategy for gov wide adoption of XML Determine how XML WG can add value Renew charter of XML WG and include GAO recommendations as enhanced roles Provide input to Draft Government-wide strategy for interoperability (include role of XML) Leverage existing Federal/agency data standards Tie together agency and OMB strategies Create XML Schema for gov performance plans and 33% reports 24% Leverage federal EDI standards into XML 20% OMB work with President's Management Council and the Quad Council to develop enterprise architecture and specify business processes Synergize with Canada and UK strategic activities 18% 0% 20%



## Strategy

Create strategy for gov wide adoption of XML

Determine how XML WG can add value

Renew charter of XML WG and include GAO recommendations as enhanced roles

Provide input to Draft Government-wide strategy for interoperability (include role of XML)

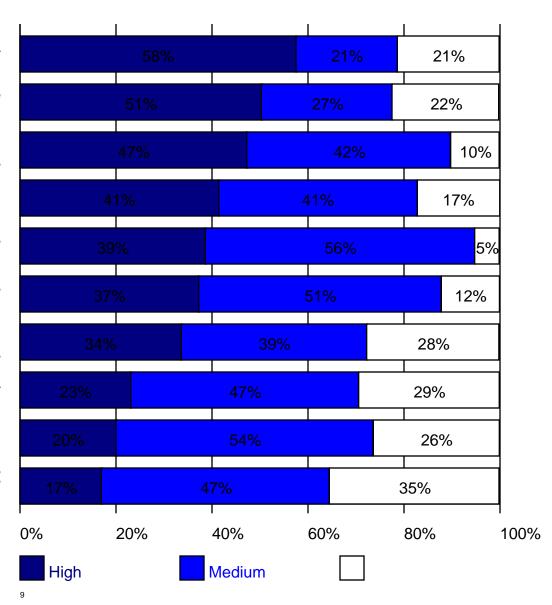
Leverage existing Federal/agency data standards

Tie together agency and OMB strategies

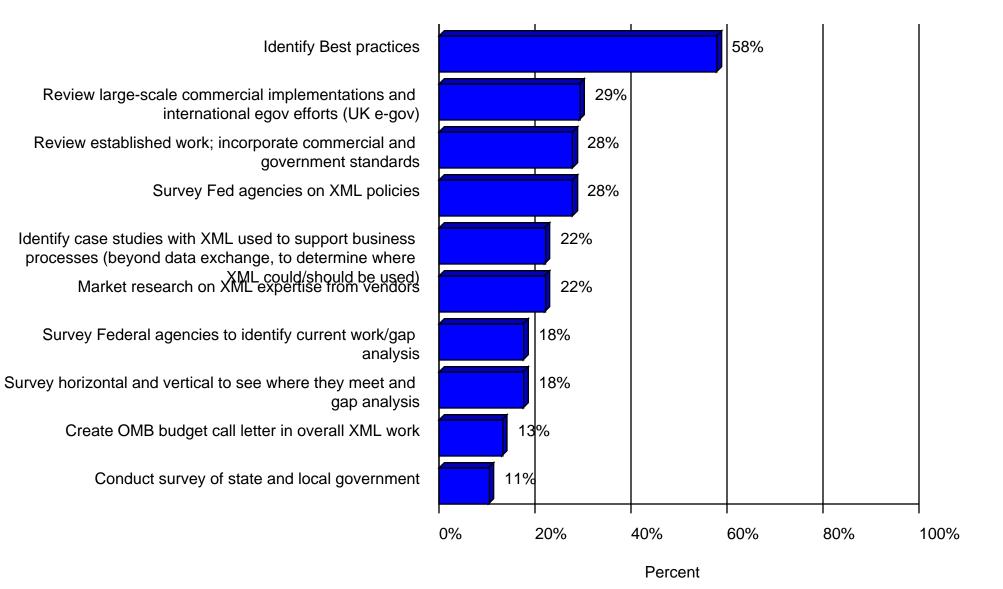
Create XML Schema for gov performance plans and reports

Leverage federal EDI standards into XML

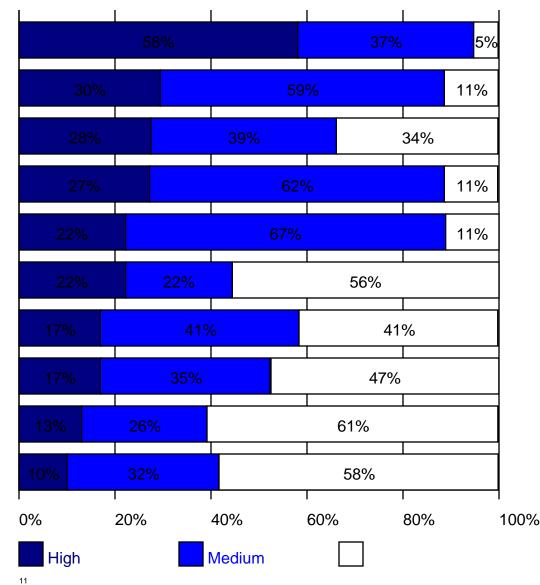
OMB work with President's Management Council and the Quad Council to develop enterprise architecture and specify business processes Synergize with Canada and UK strategic activities



#### Survey



## Survey



Identify Best practices

Review large-scale commercial implementations and international egov efforts (UK e-gov)

Survey Fed agencies on XML policies

Review established work; incorporate commercial and government standards

Identify case studies with XML used to support business processes (beyond data exchange, to determine where XML could/should be used) Market research on XML expertise from vendors

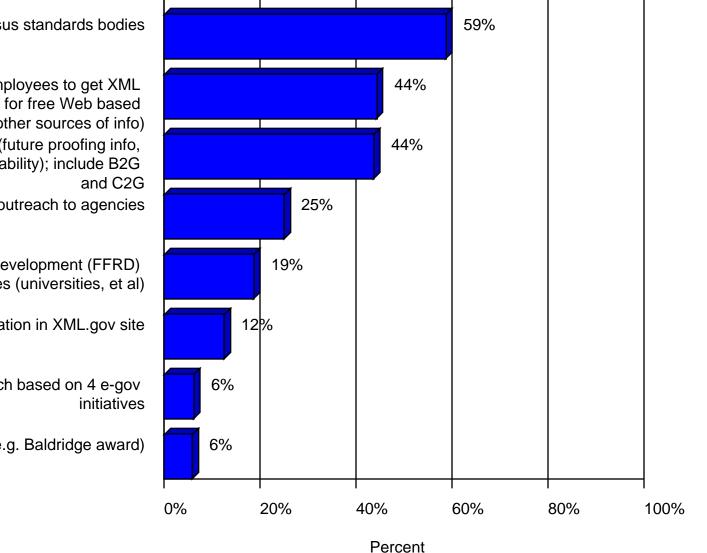
Survey Federal agencies to identify current work/gap analysis

Survey horizontal and vertical to see where they meet and gap analysis

Create OMB budget call letter in overall XML work

Conduct survey of state and local government

#### Outreach



Participate with voluntary consensus standards bodies

Provide opportunity for gov employees to get XML training; identify existing resources for free Web based training (as well as other sources of info) Agency pilots demo benefits of XML (future proofing info, multi channel dissemination, interoperability); include B2G

Market XML.gov outreach to agencies

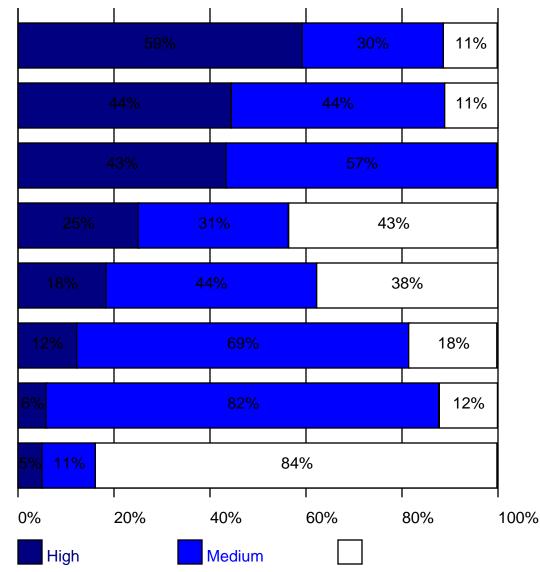
Link Federally funded research & development (FFRD) into XML activities (universities, et al)

Increase participation in XML.gov site

Provide communication/outreach based on 4 e-gov

Create an award for XML (e.g. Baldridge award)

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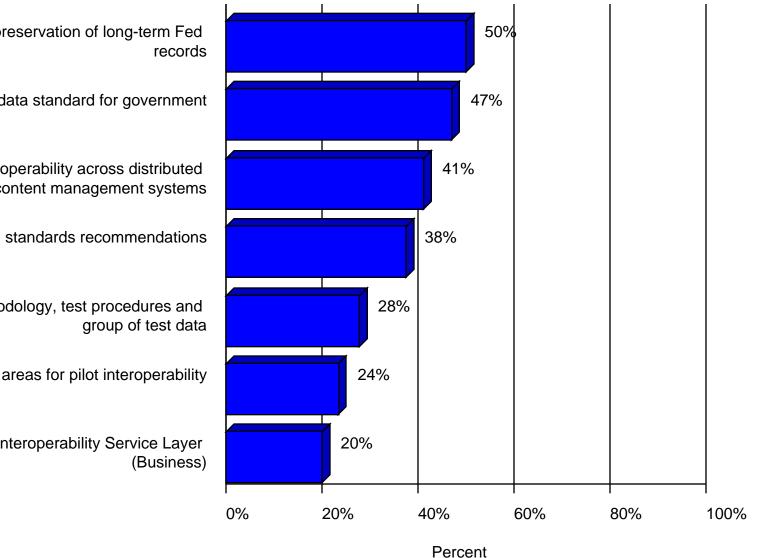
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### Interoperability



Incorporate XML into preservation of long-term Fed

Develop a metadata standard for government

Establish procedures for interoperability across distributed content management systems

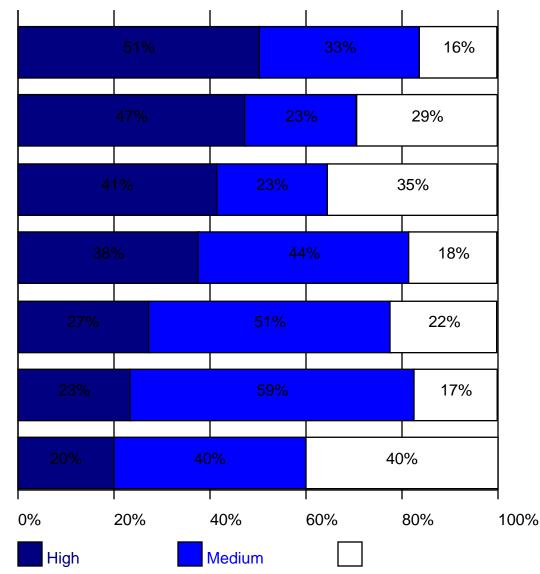
Develop central standards recommendations

Develop standard methodology, test procedures and

Select 5-10 agency areas for pilot interoperability

Establish Agency Enterprise Interoperability Service Layer

# Interoperability



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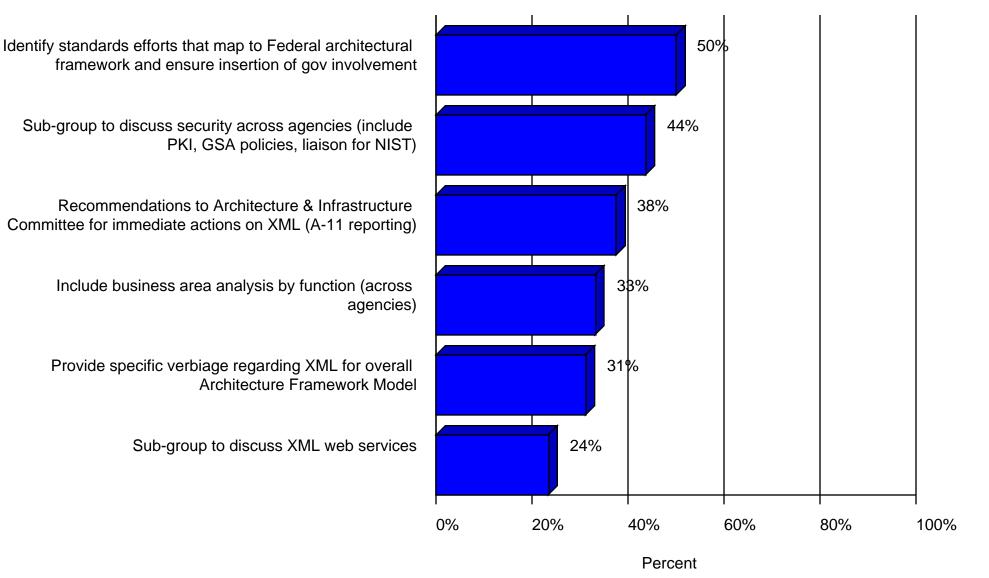
Develop central standards recommendations

Develop standard methodology, test procedures and group of test data

Select 5-10 agency areas for pilot interoperability

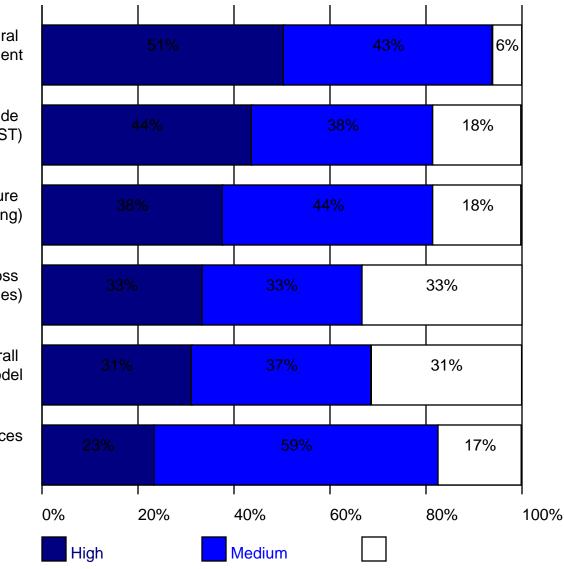
Establish Agency Enterprise Interoperability Service Layer (Business)

#### Architecture



#### Architecture

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Identify standards efforts that map to Federal architectural framework and ensure insertion of gov involvement

Sub-group to discuss security across agencies (include PKI, GSA policies, liaison for NIST)

Recommendations to Architecture & Infrastructure Committee for immediate actions on XML (A-11 reporting)

Include business area analysis by function (across agencies)

Provide specific verbiage regarding XML for overall Architecture Framework Model

Sub-group to discuss XML web services