



OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE

Common Profile Practice - A Quantum Leap for Enabling Capabilities

L E A D I N G I N T E L L I G E N C E I N T E G R A T I O N

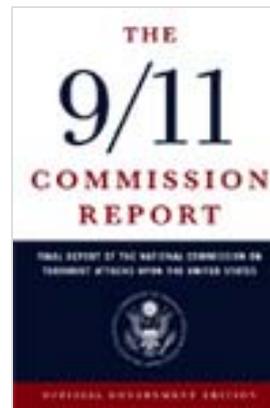
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Need for Interoperability and Validated Solutions

- Validated solutions are now more than ever fundamental to Joint Operating Environments
- Senior decision makers must know that secure, reliable and scalable capabilities are available and can be rapidly deployed, sometimes with-in hours
- Those capabilities must be readily interoperable regardless of location and across responsible organizations
- Our customers must have the confidence they're supplied with solutions that provide a clear understanding of the operating environment in order to visualize, describe and direct actions in a timely and trusted fashion





Shared Challenges and Opportunities

- Improve shared situational awareness and collaboration
- Overcome obstacles to information sharing between all forms of government
- Leverage technology lessons learned and success
- Seek operational efficiencies and effectiveness



Timely Detection, Prevention, Response and Deployment



Profiles – A Path to Interoperability

- **The Standards myth**

- If we use standards, the parts will work together, because the parts are standardized

Busted

- **ISO TR 10000 – Profiling Practice**

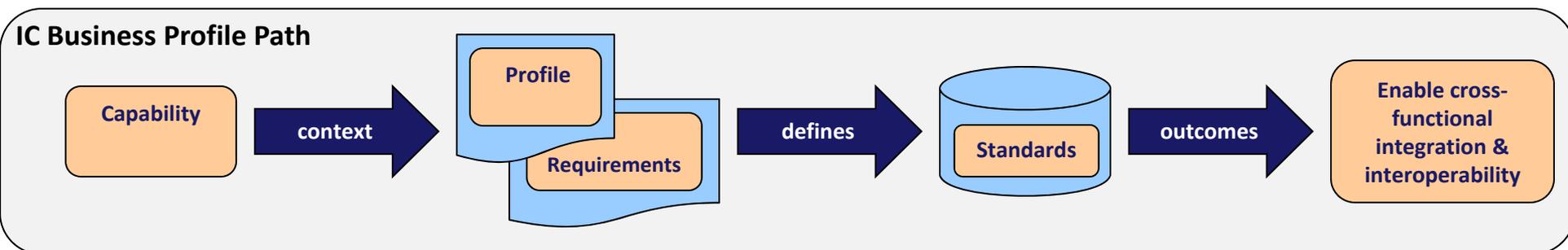
- Broad commercially adopted approach that places standards information in “context”
- Identify preferred configurations for specific functions in particular domains (a standard recipe)
- Link function to solution in a consistent way so that solution interoperability can be achieved

Chat applications within the IC Collaboration segment leverage XMPP (the standard) but, they aren't interoperable; because we don't have the XMPP configured consistently across multiple implementations



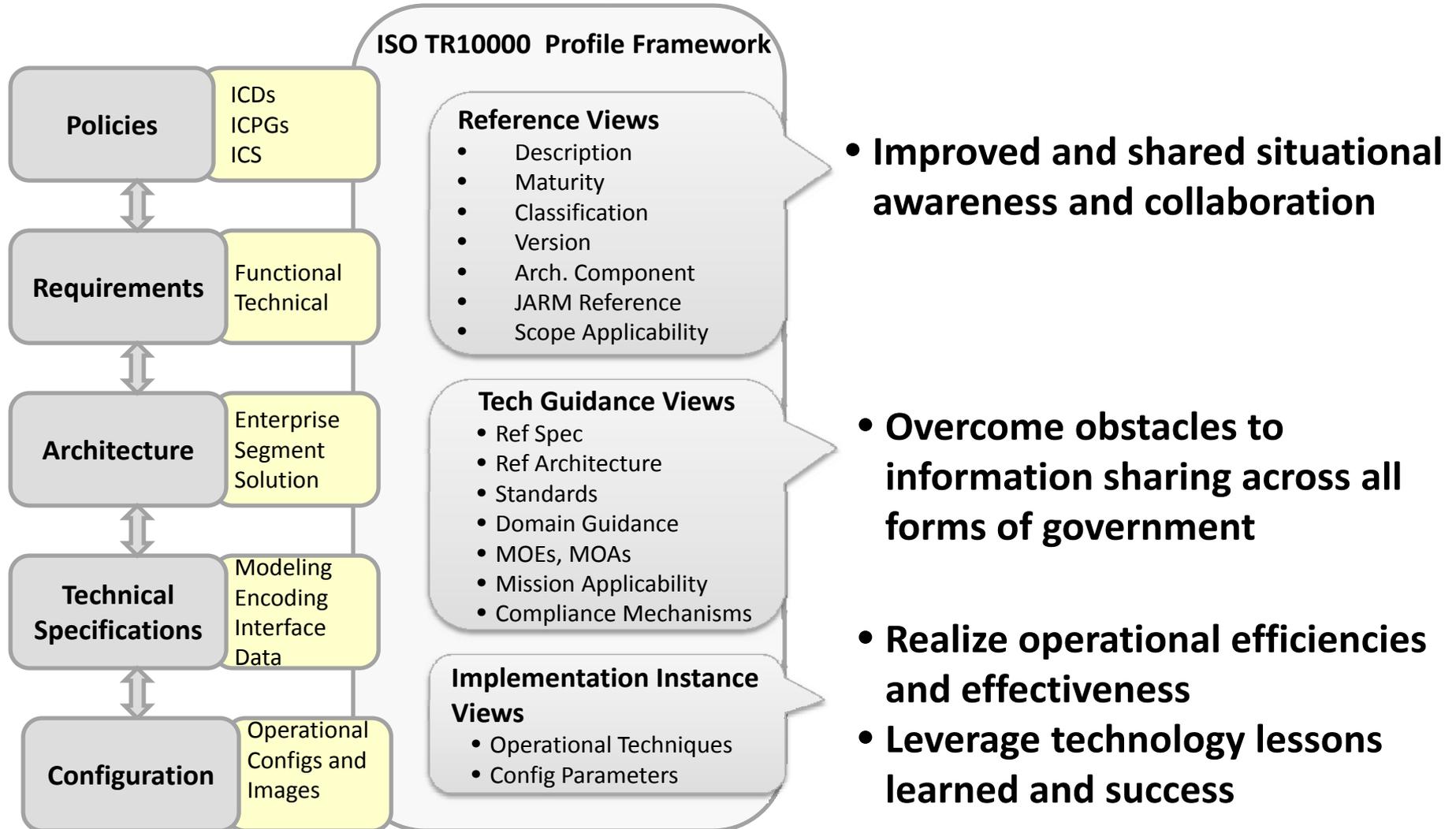
Profile Overview

- **What is a Profile?**
 - A Profile describes a capability and its attributes including common processes and information exchanges and the integration of these attributes with other capabilities within and across lines of business
 - Profile content will increase in detail as it matures through an iterative lifecycle
- **How are Profiles used?**
 - Profiles are used to formalize standards for implementation and to enable integration by standardizing business attributes that are significant to the enterprise





Interoperability and Validated Solutions





Common Profile Practice

Measures for Success



Benefactors and Contributors





The Common Profile Practice Leverages Re-Use of:

- Existing Standards
- Technology and Existing Infrastructure
- Efficiencies of the “the Cloud”
- Knowledge/Experience
- Organizational Interactions and Personal Relations (Culture)



Established environment to capitalize on cost avoidance within existing IT investments from all levels of government



Next Steps

Common Profile Pilots	(ongoing)
User Profile and Developers Guide v1.0	Dec 2011
Common Profile Process Workflow v1.0	Jan 2011
IC-DoD Joint Enterprise Standards Council (JESC) Chartered*	Feb 2012
Standard Operating Procedures	Mar 2012
<ul style="list-style-type: none">• Process for Baseline Development• Technical Working Group Organization and Rules• Policy Review and Revisions• Issue Resolution• Tools Use/Requirements• Education and Community Outreach	
Strategic Communications Plan	May 2012
Mature common profile process workflow & Users and Developers Guides v2.0	Twice Annually
Training programs and updated materials	Twice Annually



Summary

- Base standards alone were/are not enough to assure interoperability and information sharing.
- The development of new artifacts (technical specifications and profiles) is underway in close collaboration with DI2E and MIT Lincoln Labs.
- The IC Enterprise Governance Process is evolving to accommodate the new artifacts. Including the formation of the new IC and DoD Enterprise Standards Committee (JESC).
- A common and accessible tool , The Enterprise Registry and Repository (ER2) links these artifacts to provide a common resource for all MSA principals, as well as the community at large





Contact and Outreach

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