pennsylvania
OFFICE OF ADMINISTRATION
INFORMATION TECHNOLOGY

Information Technology Policy

Web Development Frameworks

ITP Number ITP-APP015	***Effective Date*** September 18, 2008
Category Recommended Policy	***Supersedes***
Contact RA-itcentral@pa.gov	***Scheduled Review*** April 2015

This Information Technology Policy (ITP) establishes enterprise-wide standards and guidance for Web Development Frameworks.

1. Purpose

The purpose of this Information Technology Policy (ITP) is to establish enterprise-wide standards and guidance for Web development frameworks.

2. Background

A Web application development framework is a software framework designed to support development of dynamic Web sites, Web applications and Web services. Using a framework eases tedious and repetitive programming tasks and alleviates the overhead associated with common activities like setting up session management and database access. An application framework provides structure and services and is deployed along with the application.

3. Scope

This Information Technology Policy (ITP) applies to all departments, boards, commissions and councils under the Governor's jurisdiction. Agencies not under the Governor's jurisdiction are strongly encouraged to follow this ITP.

4. Policy

New application development projects requiring Web development frameworks are to use the current Web development frameworks as defined in section 6 of this ITP.

Major revisions to existing applications that are not using the current standards will be reviewed as part of the ITP-PRO001 - Procurement Review Process to determine if the investment warrants a change in standards at that time.

For application development projects using Web development frameworks classified as "Retire," a date for migration off this technology has been established.

Because a framework's code is usually deployed as an integral part of the application, agencies are to compare the capabilities of the frameworks to determine which best suits the project.

All IT projects Web development frameworks are to be subject to review prior to inception for compliance with this standard through the Procurement Review Process (See ITP-PRO001).

5. Standards

CURRENT STANDARDS

(These technologies meet the requirements of the current architecture and are recommended for use.)

Technology	Platforms	Technology Classification
Microsoft .NET Framework 3.5 SP 1	Windows	Current
Microsoft .NET Framework 4.0	Windows	Current
Microsoft .NET Framework 4.5	Windows	Current
Microsoft .NET Framework 4.5.1	Windows	Current
Java EE 8	All	Current
Java EE 9	All	Current

CONTAIN

(These technologies no longer meet the requirements of the current architecture and are not recommended for use. They are to be phased out over time. No date has been set for their discontinuance.)

Technology	Platforms	Technology Classification
Microsoft .NET Framework 2.0	Windows	Contain

Microsoft .NET Framework 3.5	Windows	Contain
J2EE 7.0	All	Contain

RETIRE

(These technologies are being phased out. Plans are to be developed for their replacement, especially if there is risk involved, such as lack of vendor support. A date for retirement has been set.)

Technology	Platforms	Technology Classification
Microsoft .NET Framework 1.0	Windows	Retire: 7/14/2009
Microsoft ASP	Windows	Retire: 7/14/2009
Microsoft .NET Framework 1.1	Windows	Retire: 10/8/13
Microsoft .NET Framework 3.0	Windows	Retire: 4/12/11
Microsoft .NET Framework 3.5	Windows	Retire 4/12/11
J2EE 5.0 and Prior	All	Retire: 10/1/2009
J2EE 6.0	All	Retire: 2/1/2013

EMERGING / RESEARCH

(Emerging technologies have the potential to become current standards. At the present time, they are to be used only in pilot or test environments where they can be evaluated. Use of these technologies is restricted to a limited production mode, and requires approval of a waiver request. Research technologies are less widely accepted and time will determine if they will become a standard.)

Technology	Platforms	Technology Classification
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6. Related ITPs/Other References

- ITP-PRO001 – *IT Procurement Review Process*

7. Authority

- Executive Order 2011-05, Enterprise Information Technology Governance

8. Publication Version Control

It is the user's responsibility to ensure they have the latest version of this publication. Questions regarding this publication are to be directed to RA-itcentral@pa.gov.

This chart contains a history of this publication's revisions:

Version	Date	Purpose of Revision
Original	9/18/2008	Base Document
	10/25/2010	ITB Refresh
	4/2/2014	ITP Reformat; Merged STD-APP015A into ITP