

# Information Technology Policy

## *Integrated Development Environments*

<b><i>ITP Number</i></b> ITP-APP013	<b><i>Effective Date</i></b> September 18, 2008
<b><i>Category</i></b> Recommended Policy	<b><i>Supersedes</i></b>
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**This Information Technology Policy (ITP) establishes enterprise-wide standards and guidance for Integrated Development Environments.**

### 1. Purpose

The purpose of this Information Technology Policy (ITP) is to establish enterprise-wide standards and guidance for Integrated Development Environments (IDEs). Using a defined set of principles, guidelines, and best practices promotes success in delivering quality technology solutions to customers.

### 2. Background

IDEs provide a user-friendly framework for modern programming languages. They provide tightly knit components with similar-user interfaces, thus minimizing the amount of mode switching the programmer must do compared to discrete collections of disparate development programs. IDEs offer robust capabilities to create Service Oriented Architecture (SOA) components and applications.

IDEs increase developer productivity by providing customizable interfaces, integrated debugging, testing and deployment tools, and integration with existing technology through a service-oriented architecture.

The development of a common set of tools is expected to reduce development and test life cycles. This reduces costs and ensures best-in-class applications that are extensible, easy to maintain, and interoperable.

### 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. Objectives

The main objectives of this policy are to:

- Provide a uniform approach to the development environment
- Maximize programmer productivity
- Decrease time-to-production for applications
- Reduce development life cycle costs
- Enhance and promote standardization

### 5. Policy

New application development projects that require the use of an integrated development environment are to use the current IDEs 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 Procurement Review Process (See ITP-PRO001) to determine if the investment warrants a change in standards at that time.

For applications using IDEs classified as “Retire,” a date for migration off this technology has been established.

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

### 6. Standards

#### CURRENT STANDARDS

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

Technology	Platforms	Technology Classification
Microsoft Visual Studio.NET	Windows	Current
Microsoft Team Foundation Server (all Editions)	Windows	Current
IBM Rational Application Developer for WebSphere Software	All	Current

Eclipse	All	Current
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**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.)

<b>Technology</b>	<b>Platforms</b>	<b>Technology Classification</b>
Microsoft Visual Studio 2005	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.)

<b>Technology</b>	<b>Platform</b>	<b>Technology Classification</b>
Microsoft Visual Studio.NET 2002	All	Retire by: 7/14/2009
Microsoft Visual Studio.NET 2003	All	Retire by: 10/8/2013
Borland Enterprise Studio for Java (all versions)	All	Retire by: 12/31/2011
Eclipse 3.0 and prior	All	Retire by: 12/31/2011
IBM Rational Application Developer for WebSphere Software (Prior to Version 6)	All	Retire by: 12/31/2011
PowerBuilder (all versions)	All	Retire by: 12/31/2011
Oracle Forms Developer (all versions)	All	Retire by: 12/31/2011
Borland Delphi (all versions)	All	Retire by: 12/31/2011
Borland JBuilder (all versions)	All	Retire by: 12/31/2011
Borland C++ (All versions)	All	Retire by 12/31/2011
Borland Enterprise Studio for Java (all versions)	All	Retire by 12/31/2011
BEA Systems WebLogic Workshop (all versions)	All	Retire by 12/31/2011
Oracle JDeveloper (all versions)	All	Retire by 12/31/2011
Sun Forte for Java (all versions)	All	Retire by 12/31/2011
Compaq Visual Fortran (all versions)	All	Retire by 12/31/2011
Micro Focus Net Express (all versions)	All	Retire by 12/31/2011

IBM VisualAge COBOL (all versions)	All	Retire by 12/31/2011
IBM VisualAge Java (all versions)	All	Retire by 12/31/2011
Absoft Fortran (all versions)	All	Retire by 12/31/2011
Sun Java Studio (all versions)	All	Retire by 12/31/2011
Microsoft Visual Basic 6.0 & Earlier	All	Retire by: 12/31/2008
Microsoft Visual Interdev (All Versions)	All	Retire by: 12/31/2008
Microsoft Fox Pro	All	Retire by: 12/31/2008

### 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 become a standard.)

Technology	Platform	Technology Classification
N/A	--	Emerging/Research

#### 7. Related ITPs/Other References

- ITP-PRO001 – IT Procurement Review Process

#### 8. Authority

- Executive Order 2011-05, Enterprise Information Technology Governance

#### 9. 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](mailto: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-APP013A into ITP