

## Development Technology Standards, Update 12/31/2012

<b>Web Environment</b>	Telerik.NET (asp.net AJAX) 2011 and 2012 XHTML 1.1 XSLT 1.0 and 2.0 XML 1.0 and 1.1 HTML 4.x .NET Framework 3.5 and 4.0 PHP 5.2.17 and 5.3.x JDK 6.x and 7.x J2EE 5.x and 6.x JavaScript 1.x Eclipse 3.x MS Visual Studio.Net ASP.NET 2005 MS SilverLight (follows visual studio.net 2008 and 2010) MS Expression (follows visual studio.net 2008 and 2010) XML Spy 2010 and 2011 IBM Rational Application Developer 7.0 Spring 3.0 Hibernate 3.x
<b>Integrated Development Environments</b>	Eclipse 4.x MyEclipse (all editions) 8.x and 9.x Jboss Developer Studio 4.x MS Visual Studio.Net Asp.Net 2008 and 2010 (follows Microsoft visual studio version release) MS Team Foundation Server 2010 (follows Microsoft TFS version release) MS SharePoint Designer x.x (follows Microsoft SharePoint version release) IBM Rational Application Developer 7.5 and 8.0 Oracle Jdeveloper 11g IBM Websphere Integration Developer 6.2 and 7.0
<b>Testing Tools</b>	JUnit 4.x LoadRunner 11.x Quick Test Pro 11.x Selenium 1.x (IDE) and 2.x (Server) MS Team Foundation Server (Follows Team Foundation Suite)
<b>Project Management</b>	Rational x.x (Follows Rational Suite App Lifecycle Mgmt) MS Project 2010 Clarity 12.x
<b>Requirements Gathering Tools</b>	Serena 11.2.x MS World/Excel xxxx (Follows MS office suite) Rational Requisite Pro 7.0 (Follows rational suite)
<b>Design Tools</b>	Rational Rose 7.0 and x.x (follows rational suite) Serena Prototype Composer 2010 R1 Visio x.x
<b>Database Modeling Tools</b>	Rational Rose Data Model x.x (follows rational suite) Erwin 7.x and 8.x Toad for Oracle 10.5.x and 10.6.x Microsoft SQL Server Management Studio (follows SQL server database)

<b>Version Control</b>	MS Team Foundation Server (Follows MS TFS Suite) Serena Dimensions CM 12.1 Subversion 8.3 and 1.6
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<b>Message Queuing</b>	Websphere MQ 7.x
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<b>Business Integration</b>	Websphere Message Broker 6.1 JBOSS SOA 4.3 and 5.x
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<b>Reporting Tools</b>	Crystal Reports x.x (follows MS crystal reports version release) Crystal Reports 2008 (follows MS crystal reports) Crystal Xcelsius (follows crystal reports) Crystal Reports for Eclipse x.x (follows crystal reports) Oracle Reports x.x (Follows Oracle Database) MS SQL Server Reporting Services (Follows MS SQL Server Database)
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<b>End-User Tools</b>	SAP Business Objects XI 3.x Oracle Discoverer x.x (Follows Oracle Database)
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<b>Deployment Tools</b>	Serena Dimensions CM Mover 2.3 Serena Dimensions CM 12.1
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<b>Build Tools</b>	MS Team Foundation Server x.x (Follows MS TFS Suite) Apache Maven 3.0.x Apache Ant 1.8.x
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<b>GIS Technologies</b>	
<i>ESRI</i>	ArcIMS 9.3 ArcGIS Server 10 ArcSDE 9.3 and 10 (merged with ArcGIS Server)
<i>Oracle</i>	Spatial 10g or 11g (Follows Oracle Database) MapView 10g or 11g (Follows Oracle Database)
<i>Microsoft Bing Maps</i>	Javascript API 7
<i>Erdas, Inc</i>	Erdas ADE Release 2 ER Mapper Image Server 7.2

<b>Issue and Defect Tracking Tools</b>	Bugzilla 3.6.x and 4.0.x MS Team Foundation Server x.x (Follows MS TFS Suite) Clear Quest Change Management Suite 7.5
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