**Information Technology Standard
Commonwealth of Pennsylvania
Governor's Office of Administration/Office for Information Technology**

STD Number:	**STD-INF003A**
STD Title:	**Data Modeling Products and Standards**
Issued by:	**Deputy Secretary for Information Technology**
Date Issued: August 2, 2005	**Date Revised: November 18, 2010**
Domain:	**Information**
Discipline:	**Data Administration**
Technology Area:	**Data Modeling**
Referenced by:	**ITP-INF003**
Revision History Date:	**Description:**
11/18/2010	**Updated to add Sparx as a current standard**

CURRENT STANDARDS

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

Technology	Platforms	Category	Technology Classification
CA Erwin – All Fusion Data Modeler	A wide variety of platforms including ORACLE, DB2, SQLSERVER.	Forward & Reverse Engineering Data Warehouse Dimensional Modeling, Model Mgmt	Current
IBM Rational	A wide variety of platforms including ORACLE, DB2, SQLSERVER.	UML Forward & Reverse Engineering Model Management	Current
Sparx Systems Enterprise Architect	A wide variety of platforms including ORACLE, DB2, SQLSERVER.	UML Entity Relationship Diagrams (ERDs) Model Management	Current
VISIO Enterprise Architect	General Logical Level Modeling	UML Entity Relationship Diagrams (ERDs)	Current

Current	Technologies that are supported by the current standards and meet the requirements of the architecture. They are recommended for use.
Contain	These technologies are being phased out over the next three to five years.
Retire	Plans are to be developed to phase out and replace these technologies. A date for discontinuance has been set.
Emerging / Research	Technologies that have the potential to become current. At the present time, they are to be used only in pilot or test environments where they can be evaluated. They will require a waiver request to be used in a limited production mode.

*STD – Predefined designator for standard(s) established by an ITP

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	Category	Technology Classification
Oracle Designer	ORACLE	--	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	Category	Technology Classification
Popkins System Architect	--	--	Retire by 12/31/2005

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	Category	Technology Classification