



State of Wisconsin Enterprise Technical Reference Model

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Technical Reference Model Overview

The State of Wisconsin Enterprise Technical Reference Model (TRM) is a component-driven, technical framework loosely based on the Federal Enterprise Architecture (FEA) TRM. It categorizes the standards and technologies to support and enable the delivery of different services by the State of Wisconsin executive branch agencies. It also provides a foundation to advance the reuse and standardization of technology and service components throughout the technology stack. Aligning State of Wisconsin capital investments to the TRM leverages a common, standardized vocabulary, allowing inter-application discovery, collaboration, and interoperability. Publication of the TRM fulfills some of the responsibilities charged to the Department of Administration (DOA) in Subchapter VII, Chapter 16 of the state statutes and allows the State of Wisconsin to benefit from economies of scale by identifying and reusing the best solutions and technologies to support the business functions, mission, and target architecture of the organization.

Organized in a hierarchy, the TRM categorizes the standards and technologies that collectively support the secure delivery, exchange, and construction of business and application service components that may be used and leveraged in a component-based or service-oriented architecture. The TRM lists the technologies that the State of Wisconsin executive branch agencies currently utilize or have utilized to provide the functionality indicated within the document. Specific details surrounding the usage or implementation of the technologies listed within the TRM should be worked through during the technical architecture review process. The TRM consists of:

Service Areas represent a technical tier supporting the secure construction, exchange, and delivery of service components in the enterprise. The service areas are defined as follows; Private Cloud Compute, Network, Storage, Platform, Security and Mainframe. This hierarchy provides the framework to group standards and technologies that directly support the service area.

Service Categories classify lower levels of technologies and standards with respect to Service Area technology function they serve. In turn, each service category is comprised of one or more service standards.

Each Service Category is reviewed by a Technology Advisory group that makes recommendations to the Decision group. The Technology Advisory group is also responsible for developing the Service Strategy around the Category. These strategies will be referenced as available in the TRM. Additionally where appropriate Service offering Definitions are referenced within each Category.

Service Standards / Sub-categories (table) define the standards and technologies that support a service category. Service standards identify technology versions down to the point release only. Each current

technology is hyperlinked (where possible) to the vendors page/data sheet that describes the technology in detail.

Within each service standard technologies are broken down into five technical classifications which are defined here:

Current Tactical: technologies that are currently being used / required and should be used when making design and implementation decisions.

Emerging: technologies that include near-term directions and options that need continued monitoring to find applicability within the State IT infrastructure. Included are technologies that are not yet fully production-worthy but are potential candidates for full scale production implementations at some point in the future. Continued market acceptance and adaptation will likely move these solutions toward the strategic technical classification.

Strategic: technologies that are strongly being considered for implementation into the enterprise environment. Managers should look at these when considering future technology implementations.

Transitional: technologies that are in their twilight that should be discouraged from use in new system implementations. This is not to imply that existing systems need be retired or replaced immediately, but that the use of these products and services should not be extended in any future planning and development. These technologies generally are nearing the end of their lifecycle. However, managers of systems utilizing these technologies should begin to consider when they can move away from them and to a strategic technology.

Legacy: technologies that have an identified date associated with their retirement are retired or are no longer supported. These technologies should be discouraged from use within new implementations. Existing systems should be retired or replaced by the agreed upon sunset date.

Private Cloud – Compute

Server

Description: Hardware devices used to run operating systems and hypervisor.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition: [Dedicated Virtual Hosting](#)

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Server			Dell 620	Dell 710	HP ML 310
			Dell 720	IBM	HP ML 350
			Dell 320	HP BL	

Engineered Systems

Description: Engineered Systems are generally preconfigured solutions that work from a common bus and are tuned for high performance combining Server, Networking and Storage

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition: [Dedicated Virtual Hosting](#)

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Engineered Systems			Oracle Exalogic		
			Oracle Exadata		
			Oracle Exalytics		
			NetApp FlexPod (DOR) NetApp FlexPod (DWD)		

Operating System

Description: Defines the standards for the software that controls the hardware of a server as well as being responsible for the management of activities and sharing resources on the server.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Hypervisor	VMware 6.0	VMware 5.5	VMware 5.1	VMware 5.0	VMware 4.1, 4.0
Windows		Windows 2012R2	Windows Server 2012 , 2008R2	Windows 2003R2, 2008	Windows 2000, 2003
Linux			SLES 11		
Linux			Oracle 7		

Server Management

Description: Defines the standards for the services that assist in the management of a server environment.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Patch Management		Lumension 8.0	Lumension 7.3	Lumension 7.2, WSUS, LANDesk, SCCM	Lumension 6.4,
Hardware Management			Dell OME , OpenManage, vCenter 2.0	IBM Director, HP SIM	
Hypervisor			Oracle VMM		

External Cloud

Description: Defines the external Cloud infrastructure providers

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Cloud Computing	MS Azure				
	Amazon Web Services				
	VM Ware				

Network

Enterprise Network

Description: Defines the infrastructure, standards and utilities for the services that assist in the management of a enterprise network environment.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Protocol	TCP/IP v6	TCP/IP v6	TCP/IP v4		
Switches			Cisco Nexus/Catalyst		
Routers			Cisco ISR G2 / ASR		Cisco ISR G1
VPN Devices			Cisco ASA		Cisco VPN Concentrators
Firewalls			Cisco ASA		Cisco Firewall Services Module, Sidewinder
Firewall Mgmt		Palo Alto	Cisco Secure Manager (CSM)		
Web Application Firewall			Trustwave		
Serial Connectivity			Raritan		
Wireless LAN	Cisco AP 3702i		Cisco AP 3702i , Aruba AP		Cisco Aironet 1231
Load Balancers			F5 Big-IP		Cisco CSM
Span Aggregation			Gigamon		
Network Monitoring			Statseeker , WUG , ELSA , Cisco Network Analysis Modules (NAM)	Solarwinds	
Network Mgmt			Cisco Prime , Cisco LMS	Solarwinds	
Network Authentication Services	Cisco ISE		Cisco Secure ACS 5.x	Aruba Clearpass NAC	
IP Address Mgmt (IPAM)		Bluecat Proteus	XLS spreadsheet	Solarwinds	

DNS

Description: Defines the utilities that assist in the management of the enterprise network environment.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
		Bluecat Adonis	Bind		

DHCP

Description: Defines the utilities that assist in the management of the enterprise network environment.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
			MS Windows DHCP		

URL Filtering

Description: Defines the utilities that assist in the management of the enterprise network environment.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
		Palo Alto	zScaler , Bluecoat	Websense	

Storage

Storage Array Hardware

Description: Defines the standards for server storage across the enterprise network.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Block Storage		EMC Symmetrix VMAX 40K	EMC Symmetrix VMAX 20K , EMC VNX5600 (Exchange 2013 only)	EMC Symmetrix VMAX-1 20K	EMC DMX-3
NAS Storage		EMC Isilon NL400/NX400, Tintri Vmstore	EMC Isilon NL400/NX400 , Tintri Vmstore		
Virtualization		EMC VPLEX VS2	EMC VPLEX VS2		

Storage Host Acceleration

Description: Defines the standards for infrastructure and utilities that are used for improving performance in the enterprise storage environment.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Host LUN acceleration		EMC XtremSF accelerator cards / XtremCache software	EMC XtremSF accelerator cards / XtremCache software		

Storage Network Hardware

Description: Defines the network devices used for the enterprise storage network.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
SAN Core Switches		Cisco MDS-9710	Cisco MDS-9710	Cisco MDS-9513, Cisco Nexus 5596, 5548	Cisco MDS-9513
SAN Edge Switches				Cisco MDS-9513, Cisco Nexus 5596, 5548, Cisco for IBM Bladecenter	
Datacenter Cross Connect (Distance) switches		Brocade DS-6510B	Brocade DS-6510B		McDATA 4700

Data Protection and Availability Software

Description: Defines the enterprise standards used for data protection and recovery in the storage environment.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Data Backup		CommVault, EMC Isilon SnapshotIQ	CommVault , EMC Isilon SnapshotIQ		Tivoli (agency) HP DataProtector (agency)
Path Management		EMC PowerPath, EMC Isilon SmartConnect	EMC PowerPath , EMC Isilon SmartConnect		
Array Replication		EMC SRDF, EMC Recoverpoint, EMC Isilon SyncIQ	EMC Recoverpoint , EMC Isilon SyncIQ		

Storage Management

Description: Defines the utilities used to manage the storage arrays and networks.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Storage Network Management		Cisco Data Center Network Manager, Brocade Switch Explorer	Cisco Data Center Network Manager , Brocade Switch Explorer		McDATA EFCM
Storage Array Management		EMC Unisphere, EMC Isilon InsightIQ	EMC Unisphere , EMC Isilon InsightIQ	EMC Symmetrix Management Console, EMC Symmetrix Performance Analyzer, EMC ControlCenter	EMC Symmetrix Management Console, EMC Symmetrix Performance Analyzer, EMC ControlCenter
Array Replication Management		VMWare SRM (Site Recovery Manager)	VMWare SRM (Site Recovery Manager)		
Storage Reporting		EMC Storage Resource Management Suite	EMC Storage Resource Management Suite (ViPR)		
Encryption		AFORE CloudLink	AFORE CloudLink		

Cloud Storage

Description: Defines the supported external partners for use in the enterprise environment.

Technology Advisory Group: DET Server Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
	VM Ware Syncplicity?				

Platform

Database

Description: Defines the supported databases within the enterprise environment.

Technology Advisory Group: DET Database Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
	SQL Server 2014		SQL Server 2012	SQL Server 2008	SQL Server 2005,2000
	Oracle 12c	Oracle 11.2.0.4	Oracle 11.2.0.3	Oracle 10 r1, r2; 11 r1	Oracle 9i
	DB2 11		DB2 10		

E mail Service

Description: Defines the standards for e mail services and utilities in the enterprise environment.

Technology Advisory Group: DET Platform/Inter Agency Ad-Hoc

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
E mail Server	Office 365	Exchange 2013	Exchange 2007		Exchange 2003
E mail Anti-virus/Anti-spam		Most current IronPort AsyncOS	IronPort AsyncOS 8.5.6 build 074		
E mail encryption		Most current IronPort AsyncOS	Cisco Registered Envelope Service		
BlackBerry Enterprise Server		None	BES 5.1		
E mail Archive	Symantec Archive Microsoft Archive	None defined	None defined	None defined	

Application Hosting

Description: Defines the enterprise standards for applications hosting and other hosting services (i.e. video, fax , list, etc.).

Technology Advisory Group: DET Platform/Inter Agency Ad-Hoc

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
	WebShpere 8.5	WebShpere 8.5	WebShpere 7.0	WebShpere 6.1	WebShpere 5.0
			MS .Net		
			MS .ASP		
Ultraseek Web Search			Ultraseek 5.7.8		
Urchin Web Analytics			Urchin 6.5.00		
RightFax		RightFax 10.6	RightFax 9.4		
Adobe Connect		Adobe Connect 9.2	Adobe Connect 9.2		
MediaSite		MediaSite	MediaSite 6.1		
Lyriss List Serv		Lyriss 10.7	Lyriss 9.3		
Citrix		Citrix 7.5	Citrix 5.0		
		Oracle WebLogic 12c	Oracle WebLogic 11g		Oracle 10g

Application Middleware

Description: Defines the enterprise application middleware solutions offered in the enterprise.

Technology Advisory Group: DET Platform Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
			Oracle Fusion		

HTTP Server

Description: Defines the standards for the services that assist in the management of a server environment.

Technology Advisory Group: DET Platform/Inter Agency Ad-Hoc

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
			Oracle OHS		
			Websphere		
			Apachee Tomcat		
			MS IIS 2012 8.5	IIS 7.5	IIS 6.0

Mobile Device Management

Description: Defines the standards for the services that assist in the management of a server environment.

Technology Advisory Group: DET Platform /MDM cag

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
	Mobile Iron, Microsoft, Good		AirWatch Cloud Services 7.2		

Business Intelligence

Description: Defines the standards for the services that assist in the management of a server environment.

Technology Advisory Group: DET Ad-Hoc Team

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
ETL	Hive / Fusion	Oracle Data Integrator 12c	Oracle Data Integrator 11g.5		
Reporting/Dashboards		Tableau			
Repository	Hadoop				
Reporting/Dashboards		Oracle Business Intelligence Suite Enterprise Edition 12c.1			

Content Management

Description: Defines the standards for the services that assist in the management of a server environment.

Technology Advisory Group: DET Platform/Inter Agency Ad-Hoc

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
			In process		

Geographical Information System (GIS)

Description: Defines the standards for the services and technologies that assist in the management of the shared GIS environment.

Technology Advisory Group: DET Platform/Inter Agency Ad-Hoc (SAGIC)/ State GIO

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
Server		ArcGIS Server 10.3	ArcGIS Server 10.2		
		ArcGIS Web Adaptor 10.3	ArcGIS Web Adaptor		
		ArcSDE 10.3	ArcSDE		
Desktop			ArInfo Advanced		
		ArcSDE	ArcView		
			ArcGIS Publisher		
			Spatial Analyst		

Security

On Premise

Description: Defines the enterprise standards for management of security services.

Technology Advisory Group: Security / Agency Ad-hoc

Technology Decision Group: Chief Technical Officer, Chief Information Security Officer

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
DDoS Protection			Prolexic		
Advanced Authentication (Two-Factor)			RSA Tokens version 700 series tokens		
Computer Forensic Analysis			Encase version 7.09.06.03		
Intrusion Detection			Snort version 2.9.1 , Suricata version 1.4.7 , Sourcefire		
Centralized Log Management			ELSA (Enterprise Log Search and Archive) version 0.1.1		
Vulnerability Assessment			Nessus version 5.2.7 , Nmap version 6.46		
Web Content Filtering			Zscaler version 4.1m	Websense (DOC DOT DWD DHS)	
DLP			Symantec Data Loss Prevention version 11.6.0.19032		
Active Directory Tool			Hyena version 11.0.2		
Web Application Security Testing			Paros Proxy version 3.2.13		

Managed Security

Description: Describes the security services provided by a vendor for the enterprise environment.

Technology Advisory Group: Security / Agency Ad-hoc

Technology Decision Group: Chief Technical Officer, Chief Information Security Officer

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
		Implementing IBM MSS			

Mainframe

Operating Systems/ Hardware Support

Description: Defines the O/S and utilities necessary for the administration of the mainframe environment.

Technology Advisory Group: Mainframe CAG

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
			BookManager	Book Manager	Book Manager
			CA-Unicenter (CA90S)		
			Change Action		
	z/OS V2.1	DFSMSdfp V2.1	DFSMSdfp V1.13		
	z/OS V2.1	DFSMSdss V2.1	DFSMSdss V1.13		
	z/OS V2.1	DFSMSsort V2.1	DFSMSsortV1.13		
	z/OS V2.1	DFSMSstvs V2.1	DFSMSstvs V1.13		
	z/OS V2.1	DFSMSshsm V2.1	DFSMSshsm V1.13		
	z/OS V2.1	DFSMSrmm V2.1	DFSMSrmm V1.13		
			DITTO/ESA		
	z/OS V2.1	EREP V3 R5	EREP V3R5		
	FATS/FATAR V4.9.28p	FATS/FATAR V4.9.28pn	FATS/FATAR V4.9.26p		
	z/OS V2.1	FTP (z/OS V2.1)	FTP (z/OS V1.13)		
	z/OS V2.1	FTPS Sec (z/OS V2.1)	FTPS Security (z/OS V1.13)		
		GDDM	GDDM		
	z/OS V2.1	HCD V2.1	HCD V1.R13		
	z/OS V2.1	HLASM V1R6	HLASM V1R6		
	z/OS V2.1	z/OS V2.1	IBM Ported Tools		
	z/OS V2.1	ICKDSF V2.1	ICKDSF V1.13		
	z/OS V2.1	IPCS V2.1	IPCS V1.13		
	z/OS V2.1	ISPF	ISPF		
	z/OS V2.1	JES2 V2.1	JES2 V1.13		

	z/OS V2.1	LE/370 V2.1	Language Environment		
	MXG V32.05	MXG V32.05	MXG V31.31		
	z/OS V2.1	NCP V2.1	NCP V1.R13		
			NetView V5.2		
			NTUNEMON (for NCP)		
			OAM		
			OMEGAMON/MVS		
			Perl for z/OS V5.8.7		
	z/OS V2.1	RMF V2.1	RMF V1.13		
	SAS V9.4	SAS V9.4	SAS V9.1.3		
	z/OS V2.1	SDSF V1.13	SDSF V1.13		
	z/OS V2.1	SFTP Unix (z/OS V2.1)	SFTP Unix Part (z/OS V1.13)		
	z/OS V2.1	SMP/E V3.R6	SMP/E V3.R6		
			STK HSC		
		SYNCSort	Syncsort		
			Syncsort: SAS Proc		
	z/OS V2.1	TCP/IP V2.1	TCPIP V1.R13		
	TPM V7.R1.0	ThruPut Mgr V6R2.1	ThruPut Manager V6.R1.1		
			TPX		
	T-REX V7.1	T-REX V7.1	T-REX V7.1		
	z/OS V2.1	TSO/E V2.1	TSO/E		
			VSV		
	z/OS V2.1	VTAM V2.1	VTAM V1.13		
			XL C/C++ Compiler		
	z/OS V2.1	z/OS	z/OS		
	z/OS V2.1	z/OS UNIX (z/OS V2.1)	z/OS UNIX /USS (z/OS V2.1)		
	VIP V8.0.9	VIP V8.0.5	VIP V8.0.1		
	VNAC V4.0.6	VNAC V4.0.6	VNAC V4.0.6		

Operations Support

Description: Defines the tools and utilities for the administration and operation for the mainframe environment. This would include license management, operational reporting, and automation, etc.

Technology Advisory Group: Mainframe CAG

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
	CO:Z V2.4.5	CO:Z V2.4.5	CO:Z V2.4.1		
			AbendAid-DB2		
			AbendAid-IMS		
			Abend-Aid-MVS		
			ASG/ESW Center		
			ASG/ESW DB2 Stored Procs		
			ASG-Insight		
			ASG-SmartEdit		
			ASG-SmartTest		
			ChangeMan		
			Connet:Direct for MVS		
			Connect:Direct Secure Plus		
	Control-M V8.0	Control-M V7.0.04	Control-M V7.0.02		
	Control-O V8.0	Control-O V7.0.04	Control-O V7.0.02		
	Control-R V8.0	Control-R V7.0.04	Control-R V7.0.02		
	Control-D V8.0	Control-D V7.0.04	Control-D V7.0.02		
			ECC: Compuware Shared Svcs		
			ECC: License Mgmt System		
			EDGE Portfolio Analyzer		
			EOS		
			FASTPACK: FASTGENR		
			FASTPACK: FASTVSAM		

			FASTPACK: Member Organizer		
			FASTPACK: PDSFAST		
			FASTPACK: Volume Driver		
			FILE-AID MVS		
	Finalist V8.3.0	Finalist V8.3.0	Finalist V8.3.0		
	InfoprtServ z/OS1.13	InfoprintServ Z/OS 1.13	Infoprint Server z/OS 1.13		
	InfoprtXT E z/OS1.13	InfoprntXT Ext z/OS113	Infoprint XT Extender V1.1		
	Replace by Prt TranF	InfoprtTransForm V2.2	Infoprint Transforms V2.2	To be retired	
			Listcat Plus MVS		
	Print TransForm V1.1	Print TransForm V1.1	Print Transforms - AFP V1.1		
	z/OS V2.1 Font Colct	Infoprt Font Colc V1.1	Infoprint Font Collection V1.1		
	Part of Finalist	Part of Finalist	LOT datafile /Part of Finalist	Not a separate	Product
	MailstreamPls V8.2.0	Mailstream Plus V8.2.0	MailStream Plus V8.2.0		
			MSP: Control Manager		
			MSP: Datamanager		
			MSP: Design Manager		
			MSP: Dictionary Manager		
			NetView FTP		
			PKZIP MVS		
	Quick Ref V?.9?	Quick Ref V7.8	Quick Ref V?.?		
			SSA-Name3 & Extensions		
			STROBE		
			Version Merger		

Mainframe Security

Description: Defines the standards for the security management in the mainframe environment environment.

Technology Advisory Group: Mainframe CAG

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
	RACF V2.1	RACF V2.1	RACF V1.13		
		z/Lock V2.1	z/Lock V2.1		
		z/Secure V2.1	z/Secure V2.1		

Application Hosting Tools

Description: Defines the standards for applications running in the mainframe environment.

Technology Advisory Group: Mainframe CAG

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
			3270 PC File Transfer		
			AD/CYCLE C/370 V1.2		
			Barcode/OCR		
			Enterprise COBOL V3.4		
	HTTP Server APACHE?	HTTP Server APACHE	HTTP Server V5R3M0		
			Java SDK 1.4.10	Not known if	used
			Java SDK 1.5.7	Used by HOD	HOD V10
			Java SDK 6.0.1	Used by HOD	HOD V11
			JOBSCAN		
			MFAMVS		
	Overlay Gen Lng V1.0	Overlay Gen Lang V1.0	OGL Overlay Gen Lang. V1		
			OS PL/I V2.3		
			OS/VS COBOL V1.2.4		

			PL/I for MVS V1.1.1		
	PPFA V1.0	PPFA V1.0	PPFA (Page Printer Formatting Aid) V1.0		
	PSF V4.5	PSF V4.5	PSF V4.4		
			VS Fortran V2.6		
			Websphere 5.02		
			Websphere 6		

Database/Data Communications

Description: This defines the database environments on the mainframe and those utilities that are used to manage those databases.

Technology Advisory Group: Mainframe CAG

Technology Decision Group: Chief Technical Officer, Director of Infrastructure and Director of EAPM

Service Offering Definition:

Service Strategy:

Sub-category	Emerging	Strategic	Current Tactical	Transitional	Legacy
		AbendAid/ V12.3	AbendAid/FX-CICS V12.02	V1203 on ITS1	
	Problems Name Cha.	Problems Co. Changed	GT ASSIST-TS V7.3.0	GT Software Co	
	DADS Plus V4.0	DADS Plus V4.0	DADS Plus V4.0		
		Platinum V17.9	Platinum V17.0		
		CDB Utilities V9.3	CDB Utilities V9.3		
	CICS V5.2	To be determined	CICS V4.1		
	CICS/ QSORT V2.6	CICS/ QSORT V2.6	CICS/QSORT V2.6	BMC Product	
	CICS/ HOTPRINT V2.2	CICS/ HOTPRINT V2.2	CICS/HOTPRINT V2.0	McKinney	Product
	CICS/ MESSAGE V5.4	CICS/ MESSAGE V5.4	CICS/MESSAGE V5.4	McKinney	Product
			EasyHelp V2.9		
			Assist/TS V7.3.0		
			SmartTest V7.7		
			HFRM (no release info)	Homegrown	PGMs/ Assembler
	z/Services-CICS V6.1	z/Services-CICS V6.1	z/Services for CICS V6.1		
			ERI/CICS V2.1.0		

			ERI/CICS Lock V2.2		
			DISOSS V3.4	Used by DCF-	KIDS for doc repos.
			Office Vision R3		
			Displaywrite/370 V2.2		
	OMEGAMONxe V5.1.0	To be determined	OMEGAMON/CICS V4.1.0		
	MQ Series V8.0	MQ Series V8.0	MQ Series V7.0		
	DB2 V11.0	DB2 V11.0	DB2 V10.1		
	DB2 Cont' Mgr V8.5	DB2 Cont' Mgr zOS V8.5	DB2 Contnt Mgr z/OS V8.43		
		OMEGAMON IMS V5.1	OMEGAMON/DB2 V5.11		
	BMC / ETA V3.5	BMC ETA - IMS V3.5	BMC ETA for IMS V3.5	Extended Term	nal Assist/ Plus
			EZTracer V9.1		
	F/A IMS V7.7	FILE-AID IMS V7.7	FILE-AID IMS V7.7		
	IMS V13.1	IMS V13.1	IMS V11.1		
	IMS H/P P/C V3.1	IMS H/P Po/Chk V3.1	H/P. Pointer Chk V3.1	High Perform.	Pointer Checker
	IMS H/P Unload V1.R2	IMS H/P Unload V1.R2	IMS H/P Unload V1.R2		
	IMS Lib Integr V2.02.0	IMS Lib Integr V2.02.0	IMS Lib Itegr V2.01.0		
		InfoSphere Optim V7.1	MOVE for DB2	Changed name	
			Websphere MQ		
			OMEGAMON/CICS		
	OMEGAMON IMS V5.1	OMEGAMON IMS V5.1	OMEGAMON/IMS V5.1		
			QMF 10.1		

