

# Office of Information Technology

# **Technical Reference Model**

May 1, 2014



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# **Revision History**

Date	Author	Notes	
June 10, 2009 -	Andrew	Archived	
February 18, 2011	Shatokhin, Richie		
	Stockholm		
March 2, 2011	Andrew Shatokhin	Addressed EA Feedback: replaced grade titles:	
		"recommended" with "current" and "future" with	
		"recommended". Updated text describing valid lifetime of the	
		TRM revisions.	
March 8, 2011	Andrew Shatokhin	Updated the versions of trillium and Oracle ApEx products.	
March 21, 2011	Andrew Shatokhin	Added the Applications Patterns diagram.	
April 20, 2011	Andrew Shatokhin	Updated based on information from ITSLCM reviews.	
April 25, 2011	Andrew Shatokhin	Added details on the oracle products from the OIM suite.	
May 10, 2011	Andrew Shatokhin	Updated developer test tools category.	
May 24, 2011	Andrew Shatokhin	Replaced names of the Contained state with "Increasing Risk"	
		and Deprecated with "Phase Out".	
May 25, 2011	Andrew Shatokhin	Added WebCenter components. Renamed Target Conceptual	
		Architecture to the PBGC Integration Architecture in	
		accordance with ETA.	
June 17, 2011	Andrew Shatokhin	·	
		to TRB processes. Replaced "Increasing Risk" with "At Risk".	
August 7, 2011	Andrew Shatokhin	Combined the "At Risk" and "Phase Out" per EA Team's	
		feedback. Moved items that were in the "Restricted" grade	
		due to historical reasons (e.g., .Net stack technologies) to the	
		"At Risk". Introduced the Update Sensitivity Indicator.	
		Documented the existing grandfathering rule.	
August 30, 2011	Andrew Shatokhin	Added Thunderhead Now 5.1 and Riverbed WAN	
		Optimization Controllers (SteelHead, Central Management	
		Console, Steelhead Mobile Controllers) approved by the TRB.	
September 9,	Andrew Shatokhin	Changed USI values to the ones provided by TRB.	
2011			
September 22,	Kirby Sutton	Incorporated SME feedback for USI values of TRM	
2011		components.	
February 1, 2012	Kirby Sutton	Incorporated all updates from TRM Change Log for quarterly	
		update.	
May 1, 2012	Kirby Sutton	Incorporated all updates from TRM Change Log for quarterly	
		update.	
August 1, 2012	Kirby Sutton	Incorporated all updates from TRM Change Log for quarterly	
		update.	



November 1, 2012	Kirby Sutton	Incorporated all updates from TRM Change Log for quarterly update.
February 1, 2013	Peter Nguyen	Incorporated all updates from TRM Change Log for quarterly
May 1, 2012	Dotor Nauvon	update.
May 1, 2013	Peter Nguyen	Incorporated all updates from TRM Change Log for quarterly update.
August 1, 2013	Peter Nguyen	Incorporated all updates from TRM Change Log for quarterly update.
November 1, 2013	Peter Nguyen	Delivered all updates from the TRM Rationalization efforts.
		Also, incorporated all updates from the TRM Change Log
February 1, 2014	Peter Nguyen	quarterly update.  Incorporated all updates from TRM Change Log for quarterly
, _, _, _,	3.,,	update.
May 1, 2014	Peter Nguyen	Incorporated all updates from TRM Change Log for quarterly
		update.



#### 1 Overview

The Pension Benefit Guaranty Corporation (PBGC) Enterprise Architecture (EA) program aligns the Corporation's information technology (IT) assets with the Corporation's mission, goals, and business functions. The Technical Reference Model (TRM) serves as a blueprint for the IT support role of the mission. The PBGC TRM consists of three major elements:

- Classification the classification is based on real world usage of technology components. Classification is used to categorize the various products used at PBGC and show whether they are recommended for retirement, current, or future use.
- Standard Profile the standard profile is the list of actual hardware, software, and information technology used in PBGC information systems and infrastructure. This profile includes a column that describes what is in use now, a column identifying the target to which future development will migrate, and a column identifying the owner of the IT investment for that particular item.
- **PBGC Integration Architecture** the integration architecture diagram is a depiction of how the various elements relate to each other in the PBGC environment.

This document lists a lot of protocols, technology items, and products that are often changed or upgraded by the system owners. As a result, the information in this document may be lagging behind the upgrade and update events due to maintenance processes. Readers are advised to contact EA directly if the version or product information found in this document does not match the current configuration in PBGC environment(s).

Project teams must use the latest revision of this document when creating their System Environment Plan.

#### 1.1 Purpose

A Technical Reference Model is a framework that:

- Provides a common conceptual view of IT.
- Establishes a common vocabulary to better describe, compare, and contrast systems and components.
- Provides a consistent set of technology areas, definitions, interfaces, and relationships used to address interoperability and open system issues.
- Serves as a basis (or aid) for the identification, comparison, and selection of existing and emerging standards.

The PBGC TRM provides guidance to enterprise architects, technology managers, developers, and individuals that plan, acquire, develop, or use information systems. The TRM promotes open source design by identifying the relationship between IT components and services. System developers or



system owners can use the TRM to identify types of technologies they will need to enable their systems. By focusing on these technology categories, they can articulate their IT needs at a higher level of abstraction, which avoids linking solutions to specific products or vendors too early in the solution development life cycle (SDLC).

The TRM also establishes a consensus on how to describe, discuss, and relate the many technologies that support the IT infrastructure and enables a common framework for mapping IT investments in the Capital Planning and Investment Control (CPIC) process. This includes tracing investments to the Standards Profile and to the Federal Enterprise Architecture model as required by the Office of Management and Budget (OMB). The OMB EA Assessment Framework calls for mapping technology and investment according to a Technical Reference Model. Using the TRM for these purposes allows PBGC to facilitate a strategic alignment of IT investments, while ensuring a high level of program maturity under the OMB Assessment Framework capabilities model.

#### 1.2 Governance

The PBGC Technical Review Board (TRB) will maintain the PBGC TRM. The TRB will also define and maintain the specific processes and criteria for evaluating compliance with the TRM.

Additionally, the TRB will facilitate the process for updating the language and content of this TRM document. The information that the TRM captures for this governance process is documented in section 5.1.2.



#### 2 Classification

The TRM describes the agency's information technology elements. IT for an agency is complex; it is comprised of multiple domains managed by people with expertise in a variety of domains. To assure that all IT Infrastructure details are captured and to simplify TRM management in the future, the following 11 major categories were identified:

- User Systems
- Servers
- Security
- Connectivity
- Technology Service Management
- User Service Management
- Technology Delivery Support
- Enterprise Services
- Storage
- Telephony
- IT Facilities



The Figure 1 depicts the hierarchical relationships of the various categories.

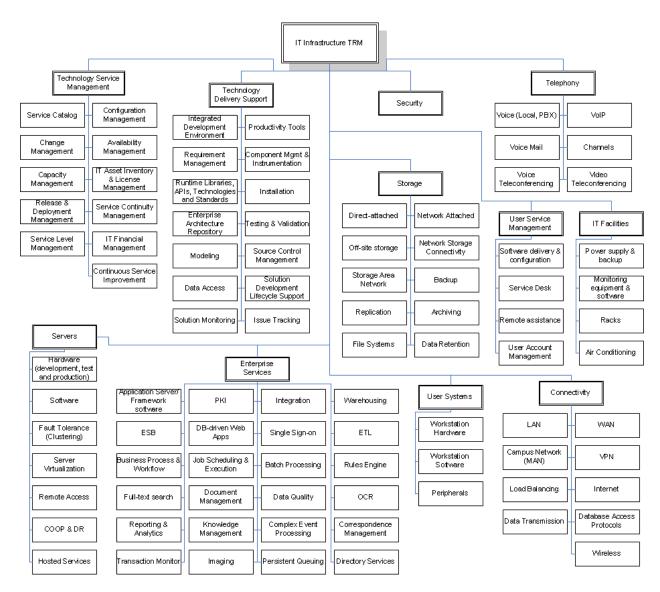


Figure 1 IT Infrastructure major categories and sub-categories



Figure 2 shows the various TRM dependencies. The relationships among the infrastructure technologies are complex but the simplistic view in Figure 2 shows that certain technologies' configuration, maintenance or physical instantiation is determined by the containing technology category.

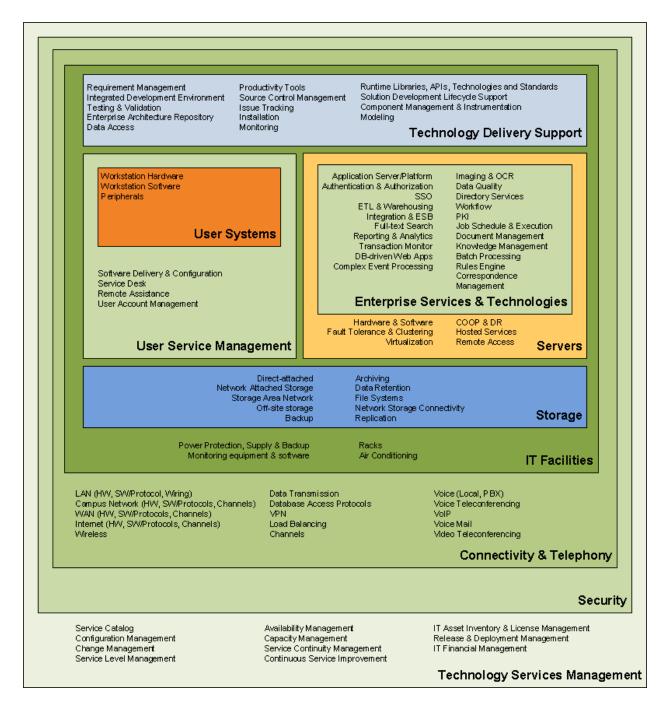


Figure 2 Relationships among the major IT Infrastructure categories

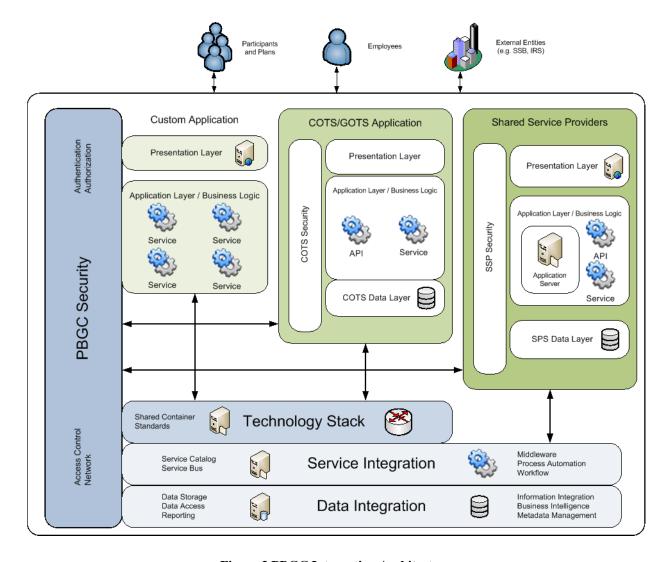


### 3 PBGC Integration Architecture

Figure 3 depicts the integration architecture for PBGC. A goal of the enterprise architecture is to move PBGC to a service-oriented environment to achieve business goals. The target infrastructure must support the integration of a variety of solution architectures including custom-developed applications, commercial off-the-shelf (COTS) or government off-the-shelf (GOTS) products, and use of Lines of Business (LoB) or Shared Service Providers (SSP). The solutions should also be built or selected with the PBCG integration requirements in mind. Additionally, external entities such as State Street Bank or the Internal Revenue Service must be able to connect and interact with the PBGC infrastructure.

Integration is essential for efficient operations within PBGC. Custom-developed applications should follow a layered approach in system design, taking advantage of enterprise data services, integrating with existing security solutions, and exposing data for reporting. COTS or GOTS products that maintain proprietary data structures, security controls, and business logic must provide mechanisms to enable integration with PBGC enterprise solutions. Any LoB or SSP selected must provide data integration services for reuse in other PBGC applications as well as integration with PBGC security controls.





**Figure 3 PBGC Integration Architecture** 

#### 3.1 PBGC Security

PBGC will provide enterprise security controls that will authenticate users and authorize access to solutions deployed at PBGC. Custom Applications must use the enterprise security solutions as the primary mechanism for protecting the application data and services. Shared Service Providers and COTS/GOTS products often have built-in security controls that protect the application's information. The target architecture requires that the built-in controls connect to or be disabled in favor of the PBGC solutions to provide access to the data and services. Physical security will be provided by PBGC for solutions deployed on PBGC premises. Solution providers hosting PBGC data off PBGC premises must demonstrate that security meets federal standards and guidelines described by the National Institute of Standards and Technology.



#### 3.2 Data Integration

Data integration is essential for efficient operations at PBGC. The target architecture diagram depicts that PBGC will provide data storage and access as well as reporting and analytical services. Custom Applications must use the enterprise data storage and access constructs. Shared Service Providers and COTS/GOTS products must provide access to their applications' stored data either directly or through exports, Application Programming Interfaces (APIs), or services so that PBGC can build reports and analytics across all applications.

#### 3.3 Service Integration

To provide flexibility and reuse options PBGC has adopted a service-oriented approach in its architecture. To support this PBGC has and will deploy service-enabling features that automate workflow and system interfaces. All solutions deployed at PBGC must expose functionality through APIs or services where appropriate.

#### 3.4 Technology Stack

Through this document, PBGC has established technology standards that must be adhered to by the infrastructure and solutions. Where necessary, PBGC will deploy containers to host Custom Applications or COTS/GOTS products. All deployed solutions must be able to run on the containers provided by PBGC in accordance with the standards described by the preceding sections.



### 4 TRM Update Process

TRM is a living document. It will be frequently modified to maintain clear documentation of the PBCG IT environments in its current state as well as to record the future technology vision for PBGC IT.

There are a number of triggering events or reasons why TRM changes will be initiated:

- Segment Architecture recommendations and target state products
- Discovery of current state technology components missing in the TRM
- Technical Review Board (TRB) decision to introduce a new technology
- Business need not currently supported by available technology
- As determined by the Chief Enterprise Architect

The **updates to the TRM document will be done at least quarterly** as approved by the Technical Review Board (TRB) or more often as authorized by the Chief Enterprise Architect.

The Chief Enterprise Architect may authorize Non-Exempting of technology into TRM if provided evidence that this technology had been deployed and used in the PBGC environments before October 28<sup>th</sup>, 2010 (the TRB charter approval date).

The updates to the TRM are approved by the Technical Review Board (TRB). The procedure for changes in TRM or introduction of new technology into TRM is documented in the TRB Processes and Procedures document (in the "Technical Standards, Technology, and Products Approval Process").



#### 5 Standards Profile

The following subsections provide details and standards for the PBGC products and technologies used in each of the major categories, their corresponding sub-categories, and their respective IT investments.

Each row in the standards tables in the following subsections represents a technology, protocol or product either available or considered for use in the PBGC IT environments. When known, the IT Investment, which oversees these products throughout their lifecycle (through planning, authorization and funding activities) is also identified. Each of these technology elements is also characterized by its grade and sensitivity for future updates.

The technology components which are not mentioned in the TRM are not allowed in internal production PBGC environments before due analysis and formal decision to include these technologies into the TRM are made. In this case TRM update processes must be followed to request the incorporation of the technology into TRM. This process is documented in section 4.

When an IT Investment responsible for the introduction or maintenance of a product or technology is known, the investment is assigned to the product or technology in the TRM as an "Owner IT Investment". The owner of the IT Investment oversees the assigned products and technologies in the PBGC environments by planning, funding and/or authorizing projects or activities, which:

- track the status of the product within the product's service life
- maintain the products, including upgrades and patching
- evaluate changes to their products or technologies requested by others and provide feedback as an impacted stakeholder
- follow the TRB Processes and Procedures to update TRM when the change is needed in their products' TRM entries

Project teams are urged to contact EA in the planning phase of the project to review and establish common understanding of the planned technology use throughout the project lifecycle. Teams are then required to reconfirm the technology use plan if any change in the technology is expected.

#### 5.1 Definitions

#### **5.1.1 Grades**

Fitness and applicability of the TRM technology elements for use in PBGC systems are summarized via one of the grades described in the table below:

Grade	Description of the grade meaning			
Recommended	The technology is part of the PBGC IT target state. It will be assigned to the			
Recommended	technologies in the medium-to-long term to advise the development team of			



Grade	Description of the grade meaning
	the direction in which PBGC IT is moving and encourage planning and
	proactive transition to the future state. Development and implementation
	teams are encouraged to start using the technology (if it is already available)
	and sponsor implementation of the technology (if it's not available) or include
	it into their plans.
	The technology is part of the current PBGC technology stack. It can be used in
	currently and in short-term future (up to 24 months) projects to support
Current	funding requests and planning decisions. If the technology categorized as
Current	"recommended" is identified for the same function, development and
	implementation teams should (but not required to) start identifying the
	migration path from this technology to the recommended technology.
	The technology is currently used by the PBGC systems, but it is no longer a
	recommended or current technology and remains only in the systems until
	the next significant (non-maintenance) release. Thus the product
	development teams must identify, plan, document, and follow the migration
"At Risk"	path from this technology as part of the next non-maintenance release. Other
	systems developers, architects, program and project managers, which do not
	currently rely on this technology, must remove "At Risk" technology from
	their plans. The footprint of this technology in the PBGC systems must
	constantly go down.
	The use of this technology is limited by a set of criteria. The criteria may be
	different for different technology items. This grade is usually used for
	technologies allowed in PBGC environment only because of their use by the
	recommended COTS, LOB or other external entities, or contained in the PBGC
	environment due to historical reasons (e.g., .Net stack technologies). For
Doctrictod	example, use of the PL/SQL as the programming language may be a
Restricted	requirement of the overarching COTS product and is allowed only in the
	context of that COTS product. Use of any other recommended or current
	technology is strongly recommended. Development teams are not required to
	migrate from the technology as long as their systems are allowed to use the
	COTS or historical exclusions, but are not allowed to use it in any way
	conflicting with the set of criteria associated with it.

## **5.1.2 Update Sensitivity**

Introduction of new TRM technologies and updates to the exiting TRM entries are controlled by the TRB processes documented in the TRB procedures document.



TRB procedures propose a simplified process of introducing and approving updates to the existing TRM entries. It is based on the SME's assessment of the possible impact of the TRM entry update to PBGC environments and business applications.

TRM facilitates this simplified process by capturing and storing the SME's impact assessment for each TRM technology in a form of the Update Sensitivity Indicator (USI). The following table defines the allowed values of the Updated Sensitivity Indicator:

USI Value	Criteria for the USI value
	TRM entries may be listed as N/A if they represent products or technologies
N/A	which cannot have a next version and their upgrades are replacements with
IN/A	completely new products. Examples are monitors, printers, etc. This USI value
	applies to items that will not be subject to future versioning.
	TRM entry may be classified "Part of Another Product" if it is not a standalone
Part of Another	product, but is deployed as part of another product. All technologies with this
Part of Another Product	USI are dependent on another product with regard to version upgrades and
Product	TRB reviews. The version of such a product cannot change without changes in
	the version of the parent product containing it.
	TRM entry's USI is "Exempt" (TRB does not need to review any upgrades in products) if USI values above do not apply and all of the following apply:
Exempt	It is a standalone system with no interface or data dependencies with other systems (e.g., utility, independent application)      It is a standalone system which is not a beating a group which is not a group which is not a beating a group which is not a group which is not a beating a group which is not a group which it is not a group which is not
	<ul> <li>It is a standalone system which is not a hosting or execution environment of other TRM products</li> </ul>
	It is used by a single organizational element in its processes (limited)
	impact on business processes and user community)
	TRM entry's USI is "Non-exempt" (all upgrades must be reviewed by TRB) if
	USI values above do not apply and any of the following apply:
	TRM Entry is a standard (JMS 1.2 or JMX 1.2) or a protocol (IPv4)
Non-exempt	TRM Entry is a product directly used in mission critical processes
	(benefit payment cycle, benefit recalculation, premium calculation or collection)
	<ul> <li>Vendor of the product does not follow versioning rules consistently (per SME)</li> </ul>
Conditional	All other TRM entries are assigned "Conditional" USI (version updates are
Conditional	conditionally reviewed by the TRB).



The TRB Process and Procedures document provides more details on the procedures required to maintain the USI.

#### **5.2 User Systems**

User Systems describe the technologies, standards, and products that end users use in their everyday work. The technology in this category determines the end user's experience and the capability to access the applications and peripheral hardware.

Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
1	Peripherals	Plotter	Hewlett-Packard (HP) Designjet 4500PS	At Risk	N/A	PBGC - IT Infrastructure
2	Peripherals	Plotter	Hewlett-Packard (HP) Designjet 5500PS	At Risk	N/A	PBGC - IT Infrastructure
3	Peripherals	Printers	EPSON Stylus Pro 9800	At Risk	N/A	PBGC - IT Infrastructure
4	Peripherals	Printers	Hewlett-Packard (HP) Color LaserJet 2840	At Risk	N/A	PBGC - IT Infrastructure
5	Peripherals	Printers	Hewlett-Packard (HP) Color LaserJet 3550	At Risk	N/A	PBGC - IT Infrastructure
6	Peripherals	Printers	Hewlett-Packard (HP) Color LaserJet 3600	At Risk	N/A	PBGC - IT Infrastructure
7	Peripherals	Printers	Hewlett-Packard (HP) Color LaserJet 3800	At Risk	N/A	PBGC - IT Infrastructure
8	Peripherals	Printers	Hewlett-Packard (HP) Color LaserJet 4600	At Risk	N/A	PBGC - IT Infrastructure
9	Peripherals	Printers	Hewlett-Packard (HP) Color LaserJet 4650	At Risk	N/A	PBGC - IT Infrastructure
10	Peripherals	Printers	Hewlett-Packard (HP) Color LaserJet 4700	At Risk	N/A	PBGC - IT Infrastructure
11	Peripherals	Printers	Hewlett-Packard (HP) Color LaserJet	At Risk	N/A	PBGC - IT Infrastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			5550			
			Hewlett-Packard	At Risk	N/A	PBGC - IT
12	Peripherals	Printers	(HP) Color LaserJet		'	Infrastructure
	·		8550			
			Hewlett-Packard	At Risk	N/A	PBGC - IT
13	Peripherals	Printers	(HP) Color LaserJet			Infrastructure
			CP2025dn			
			Hewlett-Packard	At Risk	N/A	PBGC - IT
14	Peripherals	Printers	(HP) Color LaserJet			Infrastructure
			CP3525			
			Hewlett-Packard	At Risk	N/A	PBGC - IT
15	Peripherals	Printers	(HP) Color LaserJet			Infrastructure
			CP4005			
			Hewlett-Packard	Current	N/A	PBGC - IT
16	Peripherals	Printers	(HP) Color LaserJet			Infrastructure
			CP4025dn			
			Hewlett-Packard	At Risk	N/A	PBGC - IT
17	Peripherals	Printers	(HP) Color LaserJet			Infrastructure
			CP4520 Series			
			Hewlett-Packard	At Risk	N/A	PBGC - IT
18	Peripherals	Printers	(HP) Designjet			Infrastructure
			4500PS			
			Hewlett-Packard	At Risk	N/A	PBGC - IT
19	Peripherals	Printers	(HP) Designjet			Infrastructure
			5500PS			
20	Peripherals	Printers	Hewlett-Packard	At Risk	N/A	PBGC - IT
	-		(HP) LaserJet 2300			Infrastructure
21	Peripherals	Printers	Hewlett-Packard	At Risk	N/A	PBGC - IT
	·		(HP) LaserJet 4000			Infrastructure
22	Peripherals	Printers	Hewlett-Packard	At Risk	N/A	PBGC - IT
			(HP) LaserJet 4050	4. 5. 1	21/2	Infrastructure
23	Peripherals	Printers	Hewlett-Packard	At Risk	N/A	PBGC - IT
			(HP) LaserJet 4250	A+ Dial.	21/0	Infrastructure
24	Peripherals	Printers	Hewlett-Packard	At Risk	N/A	PBGC - IT
			(HP) LaserJet 5100	A+ Dick	N/A	Infrastructure
25	Peripherals	Printers	Hewlett-Packard	At Risk	IN/A	PBGC - IT Infrastructure
			(HP) LaserJet 8000 Hewlett-Packard	At Risk	N/A	PBGC - IT
26	Peripherals	Printers	(HP) LaserJet 8100	AL NISK	IN/A	Infrastructure
			Hewlett-Packard	At Risk	N/A	PBGC - IT
27	Peripherals	Printers	(HP) LaserJet 8150	AL NISK	IN/A	Infrastructure
			(IJL) raseller \$120			iiii asii ucture



_			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	55.565.7		Product	0.000	Indicator	o IIIIo
			Hewlett-Packard	At Risk	N/A	PBGC - IT
28	Peripherals	Printers	(HP) LaserJet 9000	7 te mon	14//	Infrastructure
			Hewlett-Packard	At Risk	N/A	PBGC - IT
29	Peripherals	Printers	(HP) LaserJet 9050			Infrastructure
			Hewlett-Packard	Recommended	N/A	PBGC - IT
30	Peripherals	Printers	(HP) LaserJet			Infrastructure
			P2035			
			Hewlett-Packard	At Risk	N/A	PBGC - IT
31	Peripherals	Printers	(HP) LaserJet			Infrastructure
			P3005			
			Hewlett-Packard	At Risk	N/A	PBGC - IT
32	Peripherals	Printers	(HP) LaserJet			Infrastructure
			P4015			
			Hewlett-Packard	Current	N/A	PBGC - IT
33	Peripherals	Printers	(HP) LaserJet			Infrastructure
			P4515			
			Ricoh Aficio MP	Current	N/A	Facilities
34	Peripherals	Printers	6001			Services
						Program
2=		5	Ricoh Remote	Current	Conditional	Facilities
35	Peripherals	Printers	Office			Services
			Xerox WorkCentre	At Diale	N1/A	Program
			5675 v1	At Risk	N/A	
36	Peripherals	Printers	Multifunction			
			System			
			Xerox WorkCentre	At Risk	N/A	
			5687 v1	/ te mon	1,7,1	
37	Peripherals	Printers	Multifunction			
			System			
			Bell + Howe	At Risk	N/A	PBGC -
38	Dorinhorals	Coonnor	Scanner 8090			Participant
38	Peripherals	Scanner				Services (Benefit
						Administration)
			Fujitsu Scanner	At Risk	N/A	PBGC -
39	Peripherals	Scanner	5750C			Participant
	Complication	Seamer				Services (Benefit
						Administration)
			Fujitsu Scanner	Recommended	Non-Exempt	PBGC -
40	Peripherals	Scanner	5950			Participant
						Services (Benefit



Ref			Technology /		Update	
ID	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
			Product		Indicator	
						Administration)
			Fujitsu Scanner	Current	Conditional	PBGC -
41	Peripherals	Scanner	6770A			Consolidated
	. cp c. a.c	<b>3 3 3 3 3 3 3 3 3 3</b>				Financial
						Systems
42	Workstation	Desktop	Dell Optiplex 380	At Risk	N/A	PBGC - IT
	Hardware					Infrastructure
43	Workstation	Desktop	Dell Optiplex 740	At Risk	N/A	PBGC - IT
	Hardware	'				Infrastructure
44	Workstation	Desktop	Dell Optiplex 780	Current	N/A	PBGC - IT
	Hardware	·				Infrastructure
45	Workstation	Desktop	Dell Optiplex	At Risk	N/A	PBGC - IT
	Hardware	·	GX620			Infrastructure
4.5	Workstation	5 1.	Hewlett-Packard	At Risk	N/A	PBGC - IT
46	Hardware	Desktop	(HP) Compaq			Infrastructure
	147 L 1 11		DC5850	A. D. I	21/2	DDCC IT
47	Workstation	Laptop	Dell Latitude 630	At Risk	N/A	PBGC - IT
	Hardware		Dall Latituda	At Diale	NI/A	Infrastructure PBGC - IT
48	Workstation Hardware	Laptop	Dell Latitude E5410	At Risk	N/A	Infrastructure
	Workstation		Dell Latitude	Recommended	N/A	PBGC - IT
49	Hardware	Laptop	E6420	Recommended	N/A	Infrastructure
	Workstation		Dell 19" Monitor	At Risk	N/A	PBGC - IT
50	Hardware	Monitor	1907FPC	ACMSK	IV/A	Infrastructure
	Workstation		Dell 19" Monitor	At Risk	N/A	PBGC - IT
51	Hardware	Monitor	P190S		.,,,,	Infrastructure
	Workstation		Dell 19" Monitor	At Risk	N/A	PBGC - IT
52	Hardware	Monitor	UltraSharp 1908FP		,	Infrastructure
	Workstation		Dell 20" Monitor	At Risk	N/A	PBGC - IT
53	Hardware	Monitor	E2009WFP		,	Infrastructure
	Workstation		Dell 20" Monitor	At Risk	N/A	PBGC - IT
54	Hardware	Monitor	E2010HC			Infrastructure
	Workstation	Monitor	Dell 20" Monitor	At Risk	N/A	PBGC - IT
55	Hardware	Monitor	P2011H			Infrastructure
56	Workstation	Monitor	Dell 20" Monitor	At Risk	N/A	PBGC - IT
30	Hardware	IVIUIILUI	UltraSharp 2009FP			Infrastructure
57	Workstation	Monitor	Dell 20.1" Monitor	At Risk	N/A	PBGC - IT
٦/	Hardware	IVIOIIILOI	E207WFP			Infrastructure
58	Workstation	Monitor	Dell 21.5" Monitor	Current	N/A	PBGC - IT
30	Hardware	IVIOTITO	E2211H			Infrastructure
59	Workstation	Monitor	Dell 24" Monitor	At Risk	N/A	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	,	,	Product		Indicator	
	Hardware		P2411H			Infrastructure
			Samsung	At Risk	N/A	PBGC - IT
60	Workstation	Monitor	SyncMaster 20"		,	Infrastructure
	Hardware		Monitor			
	\\\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Samsung	At Risk	N/A	PBGC - IT
61	Workstation	Monitor	SyncMaster 21"			Infrastructure
	Hardware		Monitor 213T			
63	Workstation	NA - with - w	ViewSonic 18"	At Risk	N/A	PBGC - IT
62	Hardware	Monitor	Monitor VG181B			Infrastructure
63	Workstation	Monitor	ViewSonic 19"	At Risk	N/A	PBGC - IT
03	Hardware	Monitor	Monitor VG910S			Infrastructure
64	Workstation	Monitor	ViewSonic 20.1"	At Risk	N/A	PBGC - IT
04	Hardware	IVIOIIILOI	Monitor VG2021M			Infrastructure
65	Workstation	Monitor	ViewSonic 20.1"	At Risk	N/A	PBGC - IT
05	Hardware	Monitor	Monitor VG2030m			Infrastructure
66	Workstation	Monitor	ViewSonic 20.1"	At Risk	N/A	PBGC - IT
00	Hardware	IVIOTIILOI	Monitor VP201B			Infrastructure
67	Workstation	Monitor	ViewSonic 20.1"	At Risk	N/A	PBGC - IT
07	Hardware	Widilital	Monitor VP201s			Infrastructure
68	Workstation	Monitor	ViewSonic 20.1"	At Risk	N/A	PBGC - IT
00	Hardware	Wionitoi	Monitor VP2030B			Infrastructure
69	Workstation	Monitor	ViewSonic 20.1"	At Risk	N/A	PBGC - IT
03	Hardware	Wionitoi	Monitor VP2030M			Infrastructure
70	Workstation	Monitor	ViewSonic 20.1"	At Risk	N/A	PBGC - IT
,,	Hardware	Wionitoi	Monitor VX2000			Infrastructure
71	Workstation	Monitor	ViewSonic 21"	At Risk	N/A	PBGC - IT
, -	Hardware	IVIOIIICOI	Monitor G220F			Infrastructure
72	Workstation	USB Flash Drive	Kanguru Solutions	At Risk	N/A	PBGC - IT
	Hardware	000 110011 21110	Defender Elite			Infrastructure
73	Workstation	USB Flash Drive	Kingston Data	Current	N/A	PBGC - IT
	Hardware		Traveler 410			Infrastructure
74	Workstation	Accessibility	Freedom Scientific	Current	Exempt	PBGC - IT
	Software	,	JAWS 8.0			Infrastructure
			Author-IT Software	Recommended	Conditional	PBGC -
75	Workstation	Collaboration	Corporation			Participant
	Software	Tools	6.1.15			Services (Benefit
			A (1 177 0 5		6 1	Administration)
	147 L	6 11 1	Author-IT Software	Current	Conditional	PBGC -
76	Workstation	Collaboration	Corporation Client			Participant
	Software	Tools	5.1			Services (Benefit
						Administration)



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<b>.</b> ,	,	Product		Indicator	
	Workstation	Collaboration	Citrix	Current	Conditional	PBGC - IT
77	Software	Tools	GoToMeeting 4.8			Infrastructure
70	Workstation	Collaboration	Citrix	Recommended	Conditional	PBGC - IT
78	Software	Tools	GoToMeeting 5.0			Infrastructure
79	Workstation Software	Collaboration Tools	Gimmal Compliance Suite (for Microsoft SharePoint)	Recommended	Conditional	PBGC - IT Infrastructure
80	Workstation Software	Collaboration Tools	Mitratech TeamConnect 3.3	Current	Conditional	PBGC - Risk Management Early Warning / Legal Matter Management
81	Workstation Software	Collaboration Tools	Mitratech TeamConnect 3.4	Recommended	Conditional	PBGC - Risk Management Early Warning / Legal Matter Management
82	Workstation Software	Collaboration Tools	Mutare ENS 3.6	Recommended	Conditional	PBGC - IT Infrastructure
83	Workstation Software	Collaboration Tools	Office of Personnel Management (OPM) eDelivery CONNECT:DIRECT FTP+ 1.2.0	Restricted	Exempt	Facilities Services Program
84	Workstation Software	Collaboration Tools	S&P Capital IQ Office Plug-In v 8.5	Recommended	Conditional	PBGC - Risk Management Early Warning / Legal Matter Management
85	Workstation Software	Collaboration Tools	S&P Capital IQ Platform	Recommended	Conditional	PBGC - Risk Management Early Warning / Legal Matter Management
86	Workstation Software	Collaboration Tools	Serena Business Manager 10.1	Current	Conditional	PBGC - IT Infrastructure
87	Workstation Software	Collaboration Tools	Splunk 6	Current	Conditional	PBGC - IT Infrastructure
88	Workstation Software	Collaboration Tools	Vocera Messaging Platform 4.7	Current	Conditional	Facilities Services



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	Gatego. y	July Cutogoly	Product	Grade	Indicator	C IIII.C.
			Troudet		marcator	Program
			Vocera Messaging	Current	Conditional	Facilities
89	Workstation	Collaboration	Platform 4.8	Carrent	Contactional	Services
03	Software	Tools	114(1011111 4.0			Program
			Xceed Streaming	Recommended	Conditional	PBGC - Risk
			Compression			Management
90	Workstation	Collaboration	Library 1.0.6.0			Early Warning /
	Software	Tools	, , , , , , , , , , , , , , , , , , , ,			Legal Matter
						Management
		Content	Adobe Creative	Current	Conditional	PBGC - IT
	Workstation	Production	Suite 6			Infrastructure
91	Software	(including Office				
		Automation Tools)				
		Content	Adobe Flash	Recommended	Conditional	PBGC - IT
0.2	Workstation	Production	Professional CS5.5			Infrastructure
92	Software	(including Office				
		Automation Tools)				
		Content	Adobe Photoshop	Current	Conditional	PBGC - IT
93	Workstation	Production	CS3			Infrastructure
93	Software	(including Office				
		Automation Tools)				
		Content	Adobe Photoshop	Recommended	Conditional	PBGC - IT
94	Workstation	Production	CS5			Infrastructure
34	Software	(including Office				
		Automation Tools)				
		Content	Apache	Restricted	Non-Exempt	Procurement
95	Workstation	Production	OpenOffice 3.3			Management
33	Software	(including Office				Program
		Automation Tools)				
		Content	ASAP Utilities 4.29	Current	Non-Exempt	
96	Workstation	Production				
	Software	(including Office				
		Automation Tools)	-			
		Content	Corel WordPerfect	At Risk	Conditional	
97	Workstation	Production	Pro 13			
	Software	(including Office				
		Automation Tools)			0 1111	DDCC 5: I
		Content	Corel	Recommended	Conditional	PBGC - Risk
98	Workstation	Production	WordPerfect®			Management
	Software	(including Office	Office X5			Early Warning /
		Automation Tools)	Professional			Legal Matter



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<i>o</i> ,	,	Product		Indicator	
			Edition (v15)			Management
		Content	Helios TextPad 5.2	At Risk	Conditional	· · · · · · · · · · · · · · · · · · ·
	Workstation	Production	Tremos Texti da 312	/ tertisk	Contantional	
99	Software	(including Office				
	<b>3</b> 0	Automation Tools)				
		Content	Helios TextPad	Recommended	Conditional	
	Workstation	Production	5.4.2			
100	Software	(including Office				
	<b>3</b> 0	Automation Tools)				
			Ingeniux Ingeniux	Current	Conditional	Corporate
		Content	7			Communications
101	Workstation	Production				(PBGC.gov &
	Software	(including Office				Web-based
		Automation Tools)				resources)
		Content	Microsoft Office	Recommended	Conditional	PBGC - IT
	Workstation	Production	2010			Infrastructure
102	Software	(including Office				
		Automation Tools)				
		Content	Microsoft Office	Current	Conditional	PBGC - IT
102	Workstation	Production	Enterprise 2007			Infrastructure
103	Software	(including Office	SP2			
		Automation Tools)				
		Content	Microsoft Office	Recommended	Conditional	PBGC - IT
104	Workstation	Production	Enterprise 2010			Infrastructure
104	Software	(including Office	SP1			
		Automation Tools)				
		Content	Microsoft Office	Recommended	Conditional	PBGC - IT
105	Workstation	Production	Visio 2010 SP1			Infrastructure
103	Software	(including Office				
		Automation Tools)				
		Content	Microsoft Office	Current	Conditional	PBGC - IT
106	Workstation	Production	Visio 2007 SP2			Infrastructure
100	Software	(including Office				
		Automation Tools)				
		Content	Redman Solutions	Current	Conditional	OGC Legal
107	Workstation	Production	RapidRedact 2.39			Technologies
137	Software	(including Office				
		Automation Tools)				
	Workstation	Content	TechSmith	Current	Conditional	
108	Software	Production	Camtasia Studio			
		(including Office	5.1			



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID		,	Product		Indicator	
		Automation Tools)				
		Content	Adobe ColdFusion	Current	Conditional	PBGC - IT
109	Workstation	Production	5			Infrastructure
109	Software	including Office				
		Automation Tools				
		Content	Netcentric	Current	Exempt	Corporate
	Workstation	Production	CommonLook			Communications
110	Software	including Office	Office 1.2.3			(PBGC.gov &
		Automation Tools				Web-based
		7.0.0				resources)
		Content	Netcentric	Current	Exempt	Corporate
	Workstation	Production	CommonLook PDF			Communications
111	Software	including Office	4.2.6			(PBGC.gov &
		Automation Tools				Web-based
						resources)
112	Workstation	Local Data	Microsoft Access	At Risk	Non-Exempt	PBGC - IT
	Software	Management	2010			Infrastructure
113	Workstation	Local Data	Microsoft Excel	Current	Conditional	PBGC - IT
	Software	Management	2007			Infrastructure
114	Workstation	Local Data	Microsoft Excel	Recommended	Non-Exempt	PBGC - IT
	Software	Management	2010			Infrastructure
			International	At Risk	Exempt	
115	Workstation	Messaging Client	Business Machines			
	Software		(IBM) Lotus Notes			
			6.5 International	At Risk	Evennet	
	Workstation		Business Machines	At RISK	Exempt	
116	Software	Messaging Client				
	Software		(IBM) Lotus Notes 7.0			
			Microsoft Outlook	Current	Conditional	PBGC - IT
	Workstation		2007 Service Pack	Current	Conditional	Infrastructure
117	Software	Messaging Client	2007 Service Pack			IIIIIastiactare
	Joitware		(SP)2			
			Microsoft Outlook	Recommended	Conditional	PBGC - IT
	Workstation		2010 Service Pack	- I Coo	20	Infrastructure
118	Software	Messaging Client	2010 Service Pack			
			(SP)1			
			Microsoft Outlook	Current	Conditional	PBGC - IT
119	Workstation	Messaging Client	Web App (OWA)			Infrastructure
	Software		2007			
120	Workstation	Messaging Client	Microsoft Outlook	Recommended	Conditional	PBGC - IT



Def			Technology /		Update	
Ref ID	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ן טו			Product		Indicator	
	Software		Web App (OWA)			Infrastructure
			2010			
			Messaging	Current	Part of	PBGC - IT
121	Workstation	Messaging	Application		Another	Infrastructure
	Software	Protocol	Programming		Product	
			Interface (MAPI)			
422	Workstation	00	Microsoft	Current	Conditional	PBGC - IT
122	Software	OS	Windows 7			Infrastructure
			Enterprise SP1  Microsoft	Current	Exempt	PBGC - IT
	Workstation		Windows	Current	Exempt	Infrastructure
123	Software	OS	Preinstallation			iiiiasti actare
	301044010		Environment (PE)			
			Microsoft	At Risk	Conditional	PBGC - IT
124	Workstation	OS	Windows XP			Infrastructure
	Software		Professional SP 3			
			Citrix Independent	Restricted	Non-Exempt	PBGC - IT
125	Workstation	Remote Access	Computing			Infrastructure
123	Software	Protocol	Architecture (ICA)			
			10.2			
126	Workstation	Remote Access	Citrix Presentation	At Risk	Conditional	PBGC - IT
	Software	Protocol	Server Client 10.2		ļ	Infrastructure
127	Workstation	Remote Access	Citrix Receiver 4.x	Current	Exempt	PBGC - IT
	Software Workstation	Protocol  Remote Access	Hummingbird	Current	Conditional	Infrastructure PBGC - IT
128	Software	Protocol	Exceed 2008	Current	Conditional	Infrastructure
	Software	11010001	Juniper Terminals	Current	Conditional	PBGC - IT
129	Workstation	Remote Access	Server Client	Current	Conditional	Infrastructure
	Software	Protocol	7.0.0.16007			
			Microsoft Remote	At Risk	Exempt	PBGC - IT
130	Workstation	Remote Access	Desktop Client			Infrastructure
	Software	Protocol	6.1.7600.16722			
	Workstation	Remote Access	Microsoft Remote	Current	Exempt	PBGC - IT
131	Software	Protocol	Desktop Client			Infrastructure
			6.1.7601.17514			
132	Workstation	Remote Access	Microsoft Remote	Current	Exempt	PBGC - IT
	Software	Protocol	Desktop Client 8.1	<u> </u>		Infrastructure
122	Workstation	Remote Access	Microsoft Remote	Current	Non-Exempt	PBGC - IT
133	Software	Protocol	Desktop Protocol			Infrastructure
124	Morkstation	Pomoto Access	(RDP) V8.0	Current	Non Evennt	DDCC IT
134	Workstation	Remote Access	Microsoft X	Current	Non-Exempt	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	· .	,	Product		Indicator	
	Software	Protocol	Windows			Infrastructure
425	Workstation	Remote Access	PuTTY .61	Current	Exempt	PBGC - IT
135	Software	Protocol				Infrastructure
126	Workstation	Remote Access	Secure Shell (SSH)	Current	Conditional	PBGC - IT
136	Software	Protocol				Infrastructure
137	Workstation	Remote Access	Secure Shell (SSH)	Current	Non-Exempt	PBGC - IT
137	Software	Protocol	v3.2			Infrastructure
		Server	Adlib Express 4.12	Recommended	Conditional	PBGC - IT
138	Workstation	Administration				Infrastructure
130	Software	Tools and				
		Technologies				
		Server	Quest ActiveRoles	Current	Conditional	PBGC - IT
139	Workstation	Administration	Server 6.7			Infrastructure
133	Software	Tools and				
		Technologies				
		Server	Quest Knowledge	Current	Conditional	PBGC - IT
140	Workstation	Administration	Portal 2.6			Infrastructure
140	Software	Tools and				
		Technologies				
	Workstation Software	Server	Vmware View V5	Recommended	Conditional	PBGC - IT
141		Administration				Infrastructure
		Tools and				
		Technologies				
142	Workstation	Supporting	ACL Data Analysis	Current	Conditional	
	Software	software	Application 10.5.1			
143	Workstation	Supporting	ACL Data Analysis	At Risk	Conditional	
	Software	software	Application 9.1.0			
144	Workstation	Supporting	Adlib Adlib Express	Recommended	Conditional	PBGC - IT
	Software	software	4.10			Infrastructure
145	Workstation	Supporting	Apache JMeter	Current	Exempt	PBGC - IT
	Software	software	v.2.9		0 1::: 1	Infrastructure
1.46	Workstation	Supporting	CheckPoint Media	Current	Conditional	PBGC - IT
146	Software	software	Encryption Client			Infrastructure
			4.97 CheckPoint Media	Recommended	Conditional	DDCC IT
1.47	Workstation	Supporting		Recommended	Conditional	PBGC - IT
147	Software	software	Encryption Client R71 hotfix 01			Infrastructure
				Recommended	Conditional	PBGC -
	Workstation	Supporting	CogniView PDF2XL Enterprise 5.0	Recommended	Conditional	Participant
148		software	Enterprise 5.0			Services (Benefit
	Software	Soltware				Administration)
						Auministration)



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<b>.</b>	<i>.</i>	Product		Indicator	
	Workstation	Supporting	Corel WinZip 17.5	At Risk	Conditional	PBGC - IT
149	Software	software	·			Infrastructure
150	Workstation	Supporting	Corel WinZip 18	Current	Conditional	PBGC - IT
150	Software	software				Infrastructure
	Workstation	Supporting	GPO-PKI	Restricted	Conditional	Human
151	Software	software				Resources
						Program
152	Workstation	Supporting	Hyperionics	At Risk	Non-Exempt	PBGC - IT
	Software	software	HyperSnap DX 3.11	4. 5. 1		Infrastructure
			KOFAX Virtual	At Risk	Conditional	PBGC - Risk
153	Workstation	Supporting	ReScan (VRS) 4.5			Management Early Warning /
133	Software	software				Legal Matter
						Management
			Kofax Virtual	Current	Conditional	PBGC - Risk
			ReScan (VRS) 5.1	Garrent		Management
154	Workstation	Supporting	( 1,1			Early Warning /
	Software	software				Legal Matter
						Management
155	Workstation	Supporting	Nero Ahead Nero	Recommended	Conditional	PBGC - IT
155	Software	software	10.0			Infrastructure
156	Workstation	Supporting	Nero Ahead Nero	Current	Conditional	PBGC - IT
130	Software	software	8.3			Infrastructure
			Price Waterhouse	At Risk	Conditional	
157	Workstation	Supporting	Coopers (PWC)			
	Software	software	TEAMMATE			
			Version 8.05	D	Canaditianal	DDCC IT
158	Workstation	Supporting	Quest Software/Dell	Recommended	Conditional	PBGC - IT
158	Software	software	Toad 12			Infrastructure
			Si International,	Recommended	Conditional	Facilities
159	Workstation	Supporting	Inc. Statisticard	necommenaea	Conditional	Services
	Software	software	4.3.8.1			Program
4.55	Workstation	Supporting	Sybase Infomaker	At Risk	Non-Exempt	3
160	Software	software	7		·	
161	Workstation	Supporting	Symantec	Current	Conditional	PBGC - IT
161	Software	software	Antivirus 11.07			Infrastructure
162	Workstation	Supporting	Symantec	Recommended	Conditional	PBGC - IT
102	Software	software	Antivirus 12.1			Infrastructure
163	Workstation	Supporting	TechSmith SnagIt	Recommended	Conditional	PBGC - IT
	Software	software	10.01			Infrastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<i>,</i>	0 ,	Product		Indicator	
	Workstation	Supporting	TechSmith SnagIt	Current	Conditional	PBGC - IT
164	Software	software	8.23			Infrastructure
	Workstation	Supporting	Thornsoft	At Risk	Conditional	PBGC - IT
165	Software	software	ClipMate 5.3			Infrastructure
	\A/aulatatian	User System	Altiris Admin	Current	Conditional	PBGC - IT
166	Workstation Software	Management	Console 6.5.1144			Infrastructure
	Software	Admin Tools				
	Workstation	User System	Altiris Admin	Recommended	Conditional	PBGC - IT
167	Software	Management	Console 7.1			Infrastructure
	Joitware	Admin Tools				
	Workstation	User System	Altiris Agent 6.0	Current	Conditional	PBGC - IT
168	Software	Management				Infrastructure
		Admin Tools				
	Workstation	User System	Altiris Agent 7.1	Recommended	Conditional	PBGC - IT
169	Software	Management				Infrastructure
		Admin Tools				
470	Workstation Software	User System	Altiris Application	Current	Conditional	PBGC - IT
170		Management	Metering Agent			Infrastructure
		Admin Tools	6.1.31		0 1::: 1	22.00 IT
171	Workstation	User System	Altiris Carbon Copy	Current	Conditional	PBGC - IT
171	Software	Management Admin Tools	Solution Agent 6.2.1136			Infrastructure
				Recommended	Conditional	PBGC - IT
172	Workstation	User System Management	Altiris Client  Management Suite	Recommended	Conditional	Infrastructure
1/2	Software	Admin Tools	7.1			iiiiastiucture
		User System	Altiris Deployment	Current	Exempt	PBGC - IT
173	Workstation	Management	Server 6.9 SP3	Current	Exempt	Infrastructure
1,3	Software	Admin Tools	361 (61 0.3 31 3			illi asti actare
		User System	Altiris Notification	Current	Conditional	PBGC - IT
174	Workstation	Management	Server 6.0 SP3			Infrastructure
	Software	Admin Tools				
		User System	Altiris Software	Current	Part of	PBGC - IT
175	Workstation	Management	Delivery Portal 6.1		Another	Infrastructure
	Software	Admin Tools			Product	
	\A/aulastatian	User System	Altiris Software	Current	Conditional	PBGC - IT
176	Workstation	Management	Delivery Solution			Infrastructure
	Software	Admin Tools	Agent 6.1.1016			
	Workstation	User System	Altiris Task	Current	Conditional	PBGC - IT
177	Software	Management	Synchronization			Infrastructure
	Sortware	Admin Tools	Agent 6.1.1030			
178	Workstation	User System	Lucent VitalQIP 6.2	At Risk	Exempt	PBGC - IT



5.6			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
	Software	Management				Infrastructure
		Admin Tools				
	Workstation	User System	Lucent VitalQIP 7.3	At Risk	Exempt	PBGC - IT
179	Software	Management				Infrastructure
	Software	Admin Tools				
	Workstation	User System	Microsoft FileMon	At Risk	Exempt	PBGC - IT
180	Software	Management	7.04			Infrastructure
	Software	Admin Tools				
		User System	Microsoft Group	At Risk	Part of	PBGC - IT
181	Workstation	Management	Policy		Another	Infrastructure
101	Software	Admin Tools	Management		Product	
		7.0711111 10013	Console 6.0.0.1			
		User System	Microsoft Group	Current	Part of	PBGC - IT
182	Workstation	Management	Policy		Another	Infrastructure
	Software	Admin Tools	Management		Product	
			Console 8.1			
	Workstation	User System	Microsoft Process	Current	Exempt	PBGC - IT
183	Software	Management	Monitor 2.96			Infrastructure
		Admin Tools				
	Workstation Software	User System	Microsoft RegMon	At Risk	Exempt	PBGC - IT
184		Management	7.04			Infrastructure
		Admin Tools				2222 17
		User System	Microsoft	Current	Exempt	PBGC - IT
185	Workstation	Management	Windows Server			Infrastructure
	Software	Admin Tools	Update Services			
			(WSUS) 3.0 SP2  Microsoft	Commont	Fuerent	PBGC - IT
		Licar Custom		Current	Exempt	
186	Workstation	User System	Windows Server			Infrastructure
100	Software	Management Admin Tools	Update Services (WSUS) Admin			
		Aumin 100is	Console 3.0 SP2			
		User System	SysInternals	Current	Conditional	PBGC - IT
187	Workstation	Management	BGInfo 4.16	Current	Conditional	Infrastructure
107	Software	Admin Tools	DGIIIIO 4.10			iiiiastructure
		User System	Wise Package	Current	Exempt	PBGC - IT
188	Workstation	Management	Studio 7 SP2	Current	LACITIPE	Infrastructure
100	Software	Admin Tools	314410 7 31 2			astracture
		Visualization	Adobe Distiller 4	At Risk	Conditional	PBGC - IT
189	Workstation	(including			Contactional	Infrastructure
_00	Software	Browser)				dott dotdie
190	Workstation	Visualization	Adobe Jet-Forms	At Risk	Conditional	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	,	,	Product		Indicator	
	Software	(including	Filler 5.26			Infrastructure
		Browser)				2222 17
404	Workstation	Visualization	Adobe LiveCycle	Recommended	Conditional	PBGC - IT
191	Software	(including	Designer 9			Infrastructure
		Browser)	Adaba CVC Vianna	At Dist.	Non Europe	
192	Workstation	Visualization	Adobe SVG Viewer 3.03	At Risk	Non-Exempt	
192	Software	(including Browser)	5.05			
	M/- distable in	Visualization	Avantstar Quick	At Risk	Conditional	OGC Legal
193	Workstation Software	(including	View Plus 11			Technologies
	Software	Browser)				
	Workstation	Visualization	Avantstar Quick	Current	Conditional	OGC Legal
194	Software	(including	View Plus 12			Technologies
	Software	Browser)				
	Workstation	Visualization	GhostScript GNU	Current	Conditional	PBGC - IT
195	Software	(including	8.54			Infrastructure
		Browser)				
		Visualization	International	At Risk	Non-Exempt	PBGC - Benefit
196	Workstation Software	(including	Business Machines			Calculation and
	Software	Browser)	(IBM) Lotus 123 5.0			Valuation
		Visualization	Microsoft Internet	At Risk	Conditional	PBGC - IT
197	Workstation	(including	Explorer 7	/ te mon	Contactional	Infrastructure
	Software	Browser)				
		Visualization	Microsoft Internet	At Risk	Conditional	PBGC - IT
198	Workstation	(including	Explorer 8			Infrastructure
	Software	Browser)				
	Workstation	Visualization	Microsoft Internet	Recommended	Conditional	PBGC - IT
199	Software	(including	Explorer 9 (W3C			Infrastructure
	Joreware	Browser)	Standards Only)			
	Workstation	Visualization	Microsoft	Recommended	Exempt	PBGC - IT
200	Software	(including	Silverlight 4.x			Infrastructure
		Browser)	5. 7. 7. 7.			22.00
201	Workstation	Visualization	Microsoft Visio	Current	Conditional	PBGC - IT
201	Software	(including	Viewer 12			Infrastructure
		Browser) Visualization	Microsoft Visio	Recommended	Conditional	PBGC - IT
202	Workstation	(including	Viewer 2010	Recommended	Conditional	Infrastructure
202	Software	Browser)	Service Pack (SP)1			minastractare
	Workstation	Visualization	Mozilla Firefox 3.5	Restricted	Conditional	PBGC - IT
203	Software	(including				Infrastructure
L		<u> </u>	1	I .	l	1



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
		Browser)				
	Workstation	Visualization	Mozilla Firefox 3.6	Restricted	Conditional	PBGC - IT
204	Software	(including				Infrastructure
	Jortware	Browser)				
	Workstation	Visualization	RealNetworks	Current	Conditional	PBGC - IT
205	Software	(including	RealPlayer 11			Infrastructure
		Browser)				
	Workstation	Visualization	SAP Business	Current	Conditional	PBGC - IT
206	Software	(including	Objects Crystal			Infrastructure
		Browser)	Reports Dev 11.0			
	Workstation	Visualization	SAP Business	Current	Conditional	PBGC - IT
207	Software	(including	Objects Crystal			Infrastructure
		Browser)	Reports Pro 11.0	4. 5. 1	0 100	2222
200	Workstation	Visualization	SAP Business	At Risk	Conditional	PBGC - IT
208	Software	(including	Objects Crystal			Infrastructure
	Workstation	Browser)	Reports Viewer 8.5	At Dist.	Canadiai an al	DDCC IT
209	Software	Visualization	Adobe Acrobat Reader 10	At Risk	Conditional	PBGC - IT
	Workstation	including Browser  Visualization	Adobe Acrobat	Recommended	Conditional	Infrastructure PBGC - IT
210	Software	including Browser	Reader 11	Recommended	Conditional	Infrastructure
	Workstation	Visualization	Adobe Acrobat X	Recommended	Conditional	PBGC - IT
211	Software	including Browser	Pro	Recommended	Conditional	Infrastructure
	Workstation	Visualization	Adobe Acrobat XI	At Risk	Conditional	PBGC - IT
212	Software	including Browser	Pro	ACTOR	Conditional	Infrastructure
	Workstation	Visualization	Adobe Flash Player	Recommended	Conditional	PBGC - IT
213	Software	including Browser	11	necommended	Corraitional	Infrastructure
			Adobe SiteCatalyst	Current	Conditional	Corporate
			,			Communications
214	Workstation	Visualization				(PBGC.gov &
	Software	including Browser				Web-based
						resources)
245	Workstation	Visualization	kCura Relativity	Current	Exempt	
215	Software	including Browser	Viewer 7.4			
	Workstation	Visualization	Luminex CD	Recommended	Conditional	
216	Software		Viewer 1.13 for			
	Juliwale	including Browser	Windows 7			
			Luminex CDViewer	Recommended	Conditional	PBGC -
217	Workstation	Visualization	5.53			Consolidated
	Software	including Browser				Financial
						Systems
218	Workstation	Visualization	Microsoft Internet	Current	Conditional	PBGC - IT



Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
	Software	including Browser	Explorer 10			Infrastructure
219	Workstation	Visualization	Microsoft Internet	Recommended	Conditional	PBGC - IT
213	Software	including Browser	Explorer 11			Infrastructure
220	Workstation Software	Visualization including Browser	Price Waterhouse Coopers (PWC) TEAMMATE 10.3	Current	Conditional	
221	Workstation Software	Visualization including Browser	Sheridan 2	Current	Conditional	

#### **5.3 Servers**

The Servers category includes hardware and foundational software designated for simultaneous access or use by multiple users and applications. It also includes the system tools and administration applications for general maintenance and support as well as for ensuring high availability and efficiency of use of the resources. Technology pertaining to the Servers category may also provide an execution environment for the business applications.

Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
1	Blade Infrastructure	Blade Infrastructure	Hewlett-Packard (HP) BladeSystem c-Class Small Form- Factor Pluggable 10GbE Copper Cable (487655- B21)	Current	Conditional	PBGC - IT Infrastructure
2	Blade Infrastructure	Blade Infrastructure	Hewlett-Packard (HP) BLc Virtual Connect 1Gb RJ-45 Small Form Factor Pluggable Option Kit (CAT 6 GBIC)	Current	Conditional	PBGC - IT Infrastructure
3	Blade Infrastructure	Blade Infrastructure	Hewlett-Packard (HP) Chassis C7000 G1	Current	Conditional	PBGC - IT Infrastructure
4	Blade Infrastructure	Blade Infrastructure	Hewlett-Packard (HP) Chassis C7000 G2	Current	Conditional	PBGC - IT Infrastructure



Sensitivity	D-f			Technology /		Update	
Blade	Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
Blade	טו			Product		Indicator	
Infrastructure	5			Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
Thru Module 1Gb Hewlett-Packard (HP) Onboard Administrator with KVM Option - remote management adapter Hewlett-Packard (HP) SFP (minimodule (FC SAN GBIC) transceiver module - plug-in module (FC SAN GBIC) transceiver module (Infrastructure infrastructure infrast				(HP) Ethernet Pass-			Infrastructure
Blade							
Blade Infrastructure					Current	Exempt	
Blade				1 ' '			Infrastructure
Infrastructure Infrastructure management adapter  Hewlett-Packard (HP) SFP (mini-GBIC) transceiver module - plug-in module (FC SAN GBIC)  Blade Infrastructure Infrastructure Infrastructure module (FC SAN GBIC)  Blade Infrastructure Infrastructure Infrastructure module (10 GB Fiber GBIC) (45588-B21) At Risk Non-Exempt Infrastructure In		Blade					
The structure and adapter adapter  Blade Blade Infrastructure Infrastructure Infrastructure Blade Infrastructure Infrastructure Infrastructure Infrastructure Infrastructure Infrastructure Infrastructure Infrastructure Blade Infrastructure Infrast	6	Infrastructure		•			
Blade Infrastructure Infrastructure Infrastructure  Blade Infrastructure  Connect Fibre Channel Module  Hewlett-Packard (HP) Virtual  Connect Fibre Channel Module  Connect Fibre Channel Module  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Connect Fibre Channel Module  Blade Infrastructure  Connect Fibre Channel Module  Blade Infrastructure  Connect Fibre Channel Module  Connect Fibre Channel Module  Blade Infrastructure  Connect Fibre Channel Module  Blade Infrastructure  Connect Fibre Channel Module  Blade Infrastructure  Connect Fibre Channel Module  Blade Infrastructure  Connect Fibre Channel Module  Connect Fibre Channel Module  Connect Fibre Channel Module  Connect Fibre Channel Module  Blade Infrastructure  Connect Fibre Channel Module  Blade Infrastructure  Connect Fibre Channel Module  Blade Infrastructure							
Blade				_			
Blade Infrastructure Infrastructure Blade Infrastructure Infrastructure Blade Infrastructure Blade Infrastructure Blade Infrastructure Blade Infrastructure Infrastructure Infrastructure Blade Infrastructure Infrastructure Infrastructure Blade Infrastructure Inf					Commont	Conditional	DDCC IT
Blade					Current	Conditional	
Infrastructure		Blade	Blade				iiiirastructure
Blade Infrastructure	7			-			
Blade Infrastructure		iiii asti actare	iiiiasti actaic				
Blade Infrastructure Infrastructure  Blade I				*			
Blade Infrastructure Infrastructure Blade Infrastructure Inf				· · · · · · · · · · · · · · · · · · ·	Current	Conditional	PBGC - IT
Blade Infrastructure							
Infrastructure Infrastructure Fiber GBIC) (455883-B21)  Blade Infrastructure Infr	_			` '			
Blade Infrastructure	8			module (10 GB			
Blade Infrastructure Blade Inf				Fiber GBIC)			
Blade Infrastructure Infrastructure Connect 1/10Gbit Ethernet Module  Blade Infrastructure Infrastructure Infrastructure Connect 1/10Gbit Ethernet Module  Blade Infrastructure Infrastructure Infrastructure Connect Fibre Channel Module  Blade Infrastructure Infrastructure Connect Fibre Channel Module  Blade Infrastructure Infrastructure Infrastructure Connect Fibre Channel Module  Blade Infrastructure Infrastructure Connect Flex-10 10Gb Ethernet Module  Blade Infrastructure Infrastructure Infrastructure Connect Flex-10 10Gb Ethernet Module  Blade Infrastructure Infrastructure Infrastructure Connect Flex-10 10Gb/24-Port Module  Blade Infrastructure Infrastructure Connect Flex-Packard (HP) Virtual Connect Flex-Pac				(455883-B21)			
Infrastructure Infrastructure Connect 1/10Gbit Ethernet Module  Blade Infrastructure Infrastructure Infrastructure Infrastructure Infrastructure Connect Fibre Channel Module  Blade Infrastructure				Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
Infrastructure Infras	g	Blade	Blade	(HP) Virtual			Infrastructure
Blade Infrastructure Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  Blade Infrastructure  B	,	Infrastructure	Infrastructure	· ·			
Blade Infrastructure Infrastructure Connect Fibre Channel Module  Blade Infrastructure Blade Infrastructure Infrastructure Connect Fibre Channel Module  Hewlett-Packard (HP) Virtual Connect Flex-10 10Gb Ethernet Module  Blade Infrastructure Blade Infrastructure Infrastructure Infrastructure Infrastructure Connect Flex-10 10Gb Ethernet Module  Blade Infrastructure Infrastructure Infrastructure Conditional Connect FlexFabric 10Gb/24-Port Module				Ethernet Module			
Infrastructure  Infrastructure  Connect Fibre Channel Module  Hewlett-Packard (HP) Virtual Connect Flex-10 10Gb Ethernet Module  Blade Infrastructure  Bla					At Risk	Non-Exempt	
Infrastructure Connect Fibre Channel Module  Hewlett-Packard At Risk Non-Exempt Infrastructure Connect Fibre Channel Module  Hewlett-Packard (HP) Virtual Connect Flex-10 10Gb Ethernet Module  Blade Infrastructure Blade Infrastructure Infrastructure Connect Flex-10 10Gb/24-Port Module  Blade Infrastructure Infrastructure Connect Flex-Bric 10Gb/24-Port Module	10			1 ' '			Infrastructure
Blade Infrastructure							
Blade Infrastructure Blade Infrastructure Blade Infrastructure Inf					4. 5. 1	<u> </u>	DD 00 17
11 Blade Infrastructure Infrastructu					At RISK	Non-Exempt	
Infrastructure Infrastructure 10Gb Ethernet Module  Hewlett-Packard Current Conditional PBGC - IT (HP) Virtual Connect FlexFabric 10Gb/24-Port Module	11						Intrastructure
Blade Infrastructure Blade Infrastructure Blade Infrastructure Module  Module  Connect FlexFabric 10Gb/24-Port Module  Module  Current  Conditional PBGC - IT Infrastructure  Connect FlexFabric 10Gb/24-Port Module							
Blade Infrastructure Blade Infrastructure Blade Infrastructure Module  Hewlett-Packard Current Conditional PBGC - IT Infrastructure  Connect FlexFabric 10Gb/24-Port Module							
Blade Infrastructure Blade Infrastructure (HP) Virtual Connect FlexFabric 10Gb/24-Port Module Infrastructure					Current	Conditional	PBGC - IT
12 Infrastructure Infrastructure Connect FlexFabric 10Gb/24-Port Module						Contactional	
Infrastructure Infrastructure 10Gb/24-Port Module	12						
Module							
	13	Blade	Blade Servers		At Risk	Non-Exempt	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
	Infrastructure		(HP) ProLiant			Infrastructure
			BL460c G1			
	Blade Infrastructure	Blade Servers	Hewlett-Packard	At Risk	Conditional	PBGC - IT
14			(HP) ProLiant			Infrastructure
			BL460c G6			
	Blade Infrastructure	Blade Servers	Hewlett-Packard	Current	Conditional	PBGC - IT
15			(HP) ProLiant			Infrastructure
			BL460c G7			
	Blade		Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
16		Blade Servers	(HP) ProLiant			Infrastructure
	Infrastructure		BL680c G5			
		File System Replication	Microsoft	Current	Part of	PBGC - IT
17	COOP and DR		Distributive File		Another	Infrastructure
17	COOP and DK		System -		Product	
			Replication (DFS-R)			
	COOP and DR	Messaging	Microsoft	Current	Part of	PBGC - IT
			Exchange		Another	Infrastructure
18			Database		Product	
			Availability Groups			
			(DAG) 2010			
19	COOP and DR	SAN Storage	Hitachi TrueCopy	Current	Exempt	PBGC - IT
		Replication	1-23-03-08			Infrastructure
	Hardware		Spectracom	Current	Conditional	PBGC - IT
20	development test	Network Time	Netclock 9383			Infrastructure
	and production		NTP Appliance		0 1:::	2222 17
24	Hardware	D	Juniper SSL VPN	Current	Conditional	PBGC - IT
21	development test	Remote Access	Appliance SA			Infrastructure
	and production		Series SA6500	A+ Diale		DDCC IT
22	Hardware development test	Convers	Hewlett-Packard	At Risk	Exempt	PBGC - IT Infrastructure
22	and production	Servers	(HP) Integrated Lights Out (ILO) v2			iiiirastructure
	Hardware		Hewlett-Packard	Current	Exempt	PBGC - IT
23	development test	Servers	(HP) Integrated	Current	LXempt	Infrastructure
	and production	Servers	Lights Out (ILO) v3			iiii asti ucture
	Hardware		Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
24	development test	Servers	(HP) ProLiant	, te mon	14011 Exchipt	Infrastructure
	and production	55. 76.5	DL360 G4			
	Hardware		Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
25	development test	Servers	(HP) ProLiant		5	Infrastructure
	and production	· - · <del>-</del>	DL360 G5			
26	Hardware	Servers	Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	0 ,	<i>,</i>	Product		Indicator	
	development test		(HP) ProLiant			Infrastructure
	and production		DL360 G6			
	Hardware		Hewlett-Packard	Current	Conditional	PBGC - IT
27	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL360 G7			
	Hardware		Hewlett-Packard	Current	Conditional	PBGC - IT
28	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL360 G8			
	Hardware		Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
29	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL380 G4			
	Hardware		Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
30	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL380 G5			
	Hardware		Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
31	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL380 G7			
	Hardware		Hewlett-Packard	Current	Conditional	PBGC - IT
32	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL380 G8			
	Hardware		Hewlett-Packard	At Risk	Conditional	PBGC - IT
33	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL580 G3			
	Hardware		Hewlett-Packard	Recommended	Non-Exempt	PBGC - IT
34	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL580 G7			
	Hardware		Hewlett-Packard	Current	Conditional	PBGC - IT
35	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL580 G8			
	Hardware		Hewlett-Packard	Current	Conditional	PBGC - IT
36	development test	Servers	(HP) ProLiant			Infrastructure
	and production		DL585 G6			
	Hardware		Oracle SPARC	At Risk	Non-Exempt	PBGC - IT
37	development test	Servers	Enterprise Server			Infrastructure
	and production		M3000			
	Hardware		Oracle SPARC	At Risk	Non-Exempt	PBGC - IT
38	development test	Servers	Enterprise Server			Infrastructure
	and production		M5000			
	Hardware		Oracle SPARC	At Risk	Non-Exempt	PBGC - IT
39	development test	Servers	Enterprise Server			Infrastructure
	and production		M8000			



- (			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
	Hardware		Oracle Sun Netra	At Risk	Non-Exempt	PBGC - IT
40	development test	Servers	X1			Infrastructure
	and production					
	Hardware		Oracle SunFire	At Risk	Non-Exempt	PBGC - IT
41	development test	Servers	V240			Infrastructure
	and production					
	Hardware		Oracle SunFire	At Risk	Non-Exempt	PBGC - IT
42	development test	Servers	V490			Infrastructure
	and production					
	Hardware		Oracle SunFire	Current	Exempt	PBGC - IT
43	development test	Servers	V890			Infrastructure
	and production		Overela Avaraticanti	Commont	Conditional	PBGC - IT
	I lieb Aveilebilitu		Oracle Application	Current	Conditional	
44	High Availability Fault Tolerance	Application	Server 10g OC4J			Infrastructure
			clustering; content switching			
			Oracle Weblogic	Recommended	Conditional	PBGC - IT
45	High Availability Fault Tolerance	Application	Server Clustering	Recommended	Conditional	Infrastructure
73		Application	11g			iiiiusti ucture
	High Availability	File System	Symantec Storage	Current	Conditional	PBGC - IT
46	Fault Tolerance	Management	Foundation 5.0			Infrastructure
	11: 1 A 21 1 21:	<del>-</del>	Hitachi	Current	Exempt	PBGC - IT
47	High Availability	Hardware	RaidManager CCI			Infrastructure
	Fault Tolerance		1-23-03-08			
	High Availability		Link Aggregation	Current	Conditional	PBGC - IT
48	Fault Tolerance	Hardware	Control Protocol			Infrastructure
	radit Tolerance		(LACP)			
49	High Availability	Hardware	NIC Teaming	Current	Conditional	PBGC - IT
-13	Fault Tolerance	Haraware				Infrastructure
50	High Availability	Hardware	Redundant Power	Current	Conditional	PBGC - IT
	Fault Tolerance		Supplies			Infrastructure
51	High Availability	Hardware	SAN Multipathing	Current	Conditional	PBGC - IT
	Fault Tolerance					Infrastructure
	High Availability	<u></u>	Microsoft Cluster	Current	Conditional	PBGC - IT
52	Fault Tolerance	OS	Services (part of			Infrastructure
			OS)	Commont	Conditional	DDCC IT
	High Assails Little		Vmware Clusters	Current	Conditional	PBGC - IT
53	High Availability	OS	including HA and			Infrastructure
	Fault Tolerance		Vmotion (part of OS feature set)			
54	Hosted Services	N/A	Citrix	At Risk	Conditional	PBGC - IT
54	1105teu 3ei vices	IN/A	CIUIX	At DISK	Conditional	F DGC - II



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<b>3</b> ,	<i>,</i>	Product		Indicator	
	infrastructure		GoToMeeting 4.8			Infrastructure
	services hosted					
	by external					
	entities					
	Hosted Services		Citrix	At Risk	Conditional	PBGC - IT
	infrastructure		GoToMeeting 5.0			Infrastructure
55	services hosted	N/A				
	by external					
	entities					
	Hosted Services		Sprint Managed	Current	Conditional	PBGC - IT
	infrastructure		Network Services			Infrastructure
56	services hosted	N/A				
	by external					
	entities					
57	Server	N/A	Microsoft Virtual	Current	Conditional	PBGC - IT
	Virtualization		Machine	4. 5. 1	0 1:::	Infrastructure
58	Server	N/A	Vmware ESXi 4.1	At Risk	Conditional	PBGC - IT
	Virtualization		\/ FC\/: F.O	Danas and ad	Conditional	Infrastructure PBGC - IT
59	Server Virtualization	N/A	Vmware ESXi 5.0	Recommended	Conditional	Infrastructure
	Server		VMWare ESXi 5.5	Current	Conditional	PBGC - IT
60	Virtualization	N/A	VIVIVVale E3AI 3.3	Current	Conditional	Infrastructure
	VII Cadiization		VMWare Tools 5.5	Current	Part of	PBGC - IT
61	Server	N/A	VIVIVATE 10013 3.3	Carrent	Another	Infrastructure
01	Virtualization	14//			Product	iiii asti actare
			VMWare vCenter	Current	Part of	PBGC - IT
62	Server	N/A	Converter 5.5		Another	Infrastructure
	Virtualization	•			Product	
	Coming		Vmware vCenter	At Risk	Part of	PBGC - IT
63	Server	N/A	Converter 4.2.1		Another	Infrastructure
	Virtualization				Product	
	Somion		Vmware vCenter	Recommended	Part of	PBGC - IT
64	Server Virtualization	N/A	Converter 5.0		Another	Infrastructure
	vii tualizatioii				Product	
	Server		VMWare vCenter	Current	Part of	PBGC - IT
65	Virtualization	N/A	Server 5.5		Another	Infrastructure
	7 (3324(10))				Product	
	Server		Vmware vCenter	At Risk	Part of	PBGC - IT
66	Virtualization	N/A	Server 4.1.0		Another	Infrastructure
				<u> </u>	Product	
67	Server	N/A	Vmware vCenter	Recommended	Part of	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<b>.</b>	,	Product		Indicator	
	Virtualization		Server 5.0		Another	Infrastructure
					Product	
			Vmware vCenter	At Risk	Part of	PBGC - IT
68	Server	N/A	Update Manager		Another	Infrastructure
	Virtualization		4.1.0		Product	
			Vmware vCenter	Recommended	Part of	PBGC - IT
69	Server	N/A	Update Manager		Another	Infrastructure
	Virtualization		5.0		Product	
	Comion		VMWare vCenter	Current	Part of	PBGC - IT
70	Server	N/A	Update Manager		Another	Infrastructure
	Virtualization		5.5		Product	
71	Server	N/A	Vmware vSphere	At Risk	Conditional	PBGC - IT
/1	Virtualization	IN/A	4.1.0			Infrastructure
72	Server	N/A	Vmware vSphere	Recommended	Conditional	PBGC - IT
12	Virtualization	N/A	5.0			Infrastructure
	Server		VMWare vSphere	Current	Part of	PBGC - IT
73	Virtualization	N/A	5.5		Another	Infrastructure
					Product	
	Server		Vmware vSphere	At Risk	Part of	PBGC - IT
74	Virtualization	N/A	client 4.1.0		Another	Infrastructure
					Product	
	Server		Vmware vSphere	Recommended	Part of	PBGC - IT
75	Virtualization	N/A	client 5.0		Another	Infrastructure
					Product	
	Server		VMWare vSphere	Current	Part of	PBGC - IT
76	Virtualization	N/A	Client 5.5		Another	Infrastructure
					Product	
			Vmware vSphere	Current	Part of	PBGC - IT
77	Server	N/A	Management		Another	Infrastructure
	Virtualization		Assistant (vMA)		Product	
			4.1 [appliance]			
	6		Vmware vSphere	Recommended	Part of	PBGC - IT
78	Server	N/A	Management		Another	Infrastructure
	Virtualization		Assistant (vMA)		Product	
			5.0 [appliance]	Current	Dort of	DDCC IT
	Comicar		VMWare vSphere	Current	Part of	PBGC - IT
79	Server	N/A	Management		Another Product	Infrastructure
	Virtualization		Assistant (VMA)		Product	
			5.5 [appliance] Sprint Wireless	Current	Conditional	PBGC - IT
80	Software	BlackBerry	•	Current	Conditional	Infrastructure
			Manager			mmastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	σ,	,	Product		Indicator	
			Author-IT Software	At Risk	Non-Exempt	PBGC -
0.4	0. 6		Corporation 4.5		-	Participant
81	Software	Collaboration				Services (Benefit
						Administration)
			Author-IT Software	Current	Conditional	PBGC -
82	Software	Collaboration	Corporation 5.1			Participant
02	Software	Collaboration				Services (Benefit
						Administration)
83	Software	Collaboration	MetaLogix Content	Recommended	Conditional	
03	Joitware	Collaboration	Matrix 6.x			
			MetaLogix	Recommended	Conditional	
84	Software	Collaboration	Migration			
			Manager			
85	Software	Collaboration	Microsoft	At Risk	Non-Exempt	PBGC - IT
	301111411	Conductation	SharePoint 2007			Infrastructure
86	Software	Collaboration	Microsoft	Current	Non-Exempt	PBGC - IT
			SharePoint 2010			Infrastructure
			Oracle WebCenter	Recommended	Non-Exempt	PBGC -
87	Software	re Collaboration	Interaction 11g			Participant
						Services (Benefit
						Administration)
			Oracle WebCenter	Current	Non-Exempt	PBGC -
88	Software	Collaboration	Interaction			Participant
			Collaboration			Services (Benefit
			Server 4.2			Administration)
			Oracle WebCenter	Current	Non-Exempt	PBGC -
89	Software	Collaboration	Interaction Core			Participant
			6.1			Services (Benefit
			Daylord Dhasa F	A+ Diale	Non Evenent	Administration) PBGC - IT
90	Software	Database	Borland Dbase 5	At Risk	Non-Exempt	Infrastructure
			Corel Paradox 9.0	At Risk	Non-Exempt	PBGC - IT
91	Software	Database	Corei Paradox 9.0	AL NISK	Non-Exempt	Infrastructure
			Dept of Interior -	Current	Conditional	Human
			National Business	Current	Conditional	Resources
			Center Federal			Program
92	Software	Database	Personnel Payroll			110514111
			System (FPPS)			
			Datamart v11.1			
			Dept of Interior -	Current	Conditional	Human
93	Software	Database	National Business		20	Resources
			National Business	1		nesources



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	,	,	Product		Indicator	
			Center Federal			Program
			Personnel Payroll			and the second s
			System (FPPS)			
			Datamart v11.1			
			Microsoft SQL	At Risk	Conditional	PBGC - IT
94	Software	Database	Server 2008 R2			Infrastructure
			SP1			
0.5	C - ftree -	Databasa	Microsoft SQL	Current	Conditional	PBGC - IT
95	Software	Database	Server 2008 SP1			Infrastructure
0.0	C - ft	Databasa	Microsoft SQL	Current	Conditional	PBGC - IT
96	Software	Database	Server 2008 SP2			Infrastructure
07	Coffee	Databasa	Microsoft SQL	Current	Conditional	PBGC - IT
97	Software	Database	Server 2012			Infrastructure
98	Software	Database	Microsoft SQL	At Risk	Conditional	PBGC - IT
98	Software	Database	Server 2005			Infrastructure
99	Software	Database	Microsoft Visual	At Risk	Conditional	PBGC - IT
33	Joitware	Database	FoxPro 9			Infrastructure
100	Software	Database	MySQL	At Risk	Non-Exempt	PBGC - IT
100	Joitware	Database				Infrastructure
101	Software	Database	Oracle Database	At Risk	Conditional	PBGC - IT
101	Software	Database	10g R2			Infrastructure
102	Software	Database	Oracle Database	Current	Conditional	PBGC - IT
102		Database	11g			Infrastructure
			Pervasive SQL	Restricted	Non-Exempt	PBGC - Benefit
103	Software	Database				Calculation and
						Valuation
104	Software	Database	Sybase	At Risk	Non-Exempt	PBGC - IT
			SQLAnywhere 9.0			Infrastructure
			Blackberry	Current	Conditional	PBGC - IT
			Enterprise Server			Infrastructure
	_	Electronic	for Microsoft			
105	Software	Messaging	Exchange 5.0			
			Service Pack 3			
			Maintenance			
			Release 4		0 1	DDCC 17
100	C. H.	Electronic	Microsoft	Current	Conditional	PBGC - IT
106	Software	Messaging	Exchange 2007 SP3			Infrastructure
		Flackway!-	(Rollup 3-v2)	Commont	Canalistanal	DDCC IT
107	Software	Electronic	Microsoft	Current	Conditional	PBGC - IT
100	Coftware	Messaging	Exchange 2010 SP2	Current	Conditional	Infrastructure
108	Software	Electronic	Microsoft Outlook	Current	Conditional	PBGC - IT



Def			Technology /		Update	
Ref ID	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
שו			Product		Indicator	
		Messaging	Web App (OWA)			Infrastructure
			2007 SP3 (Rollup			
			3-v2)			
		Electronic	Microsoft Outlook	Current	Conditional	PBGC - IT
109	Software	Messaging	Web App (OWA)			Infrastructure
		Wicooughing	2010 SP2			
		File and Print	Microsoft	At Risk	Part of	PBGC - IT
110	Software	Server	Windows Server		Another	Infrastructure
			2008 R2 SP1		Product	
		Messaging	Simple Mail	Current	Conditional	PBGC - IT
111	Software	Protocol	Transfer Protocol			Infrastructure
			(SMTP)			
		Monitoring and	Microsoft Web-	Current	Exempt	PBGC - IT
112	Software	Management	Based Enterprise			Infrastructure
		Protocols	Management			
			(WBEM)			22.00 IT
		Manitaring and	Microsoft	Current	Exempt	PBGC - IT
113	Software	Monitoring and	Windows			Infrastructure
113	Software	Management Protocols	Management Instrumentation			
		Protocois	(WMI)			
		Monitoring and	SNMP	Current	Exempt	PBGC - IT
114	Software	Management	Sivivii	Carrent	Exempt	Infrastructure
117	Sortware	Protocols				iiii usti ucture
			Microsoft	Restricted	Conditional	PBGC - IT
115	Software	OS	Windows 8.1			Infrastructure
			Microsoft	At Risk	Conditional	PBGC - IT
116	Software	os	Windows Server			Infrastructure
			2003 R2 SP2			
			Microsoft	At Risk	Conditional	PBGC - IT
117	C. H.	25	Windows Server			Infrastructure
117	Software	OS	2008 R1 SP2 (64-			
			bit only)			
			Microsoft	At Risk	Conditional	PBGC - IT
118	Software	OS	Windows Server			Infrastructure
			2008 R2 SP1			
			Microsoft	Current	Conditional	PBGC - IT
119	Software	OS	Windows Server			Infrastructure
			2012 R2			
120	Software	OS	Novell Netware	Restricted	Non-Exempt	PBGC - IT
	20.034010	33	4.22			Infrastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
101	G (1)	0.0	Novell Netware 5.1	Restricted	Non-Exempt	PBGC - IT
121	Software	OS	SP8			Infrastructure
122	Software	OS	Oracle Solaris 10	At Risk	Conditional	PBGC - IT
122	Joitware					Infrastructure
123	Software	OS	Oracle Solaris 11	Current	Conditional	PBGC - IT Infrastructure
124	Software	OS	Oracle Solaris 9	At Risk	Non-Exempt	PBGC - IT
			Dad Hat Entamprica	A+ Diele	Conditional	Infrastructure
125	Software	OS	Red Hat Enterprise Linux 5.0 ES	At Risk	Conditional	PBGC - IT Infrastructure
126	Software	OS	Red Hat Enterprise	Current	Conditional	PBGC - IT
120	Joitware		Linux 6			Infrastructure
127	Software	OS	Red Hat Enterprise	Recommended	Non-Exempt	PBGC - IT
			Linux 6.0 ES	4. 5. 1	0 100	Infrastructure
128	Software	OS	Vmware ESXi 4.1	At Risk	Conditional	PBGC - IT Infrastructure
			Vmware ESXi 5.0	Recommended	Conditional	PBGC - IT
129	Software	OS	Villware ESXI 5.0	Recommended	Conditional	Infrastructure
	- •		EPSON Stylus Pro	Current	Conditional	
130	Software	Print Drivers	9800 x64 6.50.0.0			
131	Software	Print Drivers	EPSON Stylus Pro	Current	Conditional	
131	Joitware	Fillit Drivers	9800 x86 6.50.0.0			
132	Software	Print Drivers	Hewlett-Packard	Current	Conditional	PBGC - IT
			(HP) Print LaserJet			Infrastructure
			Hewlett-Packard	Current	Conditional	PBGC - IT
133	Software	Print Drivers	(HP) Universal			Infrastructure
1			PCL5 x64			
			61.112.1.9321 Hewlett-Packard	Current	Conditional	PBGC - IT
1			(HP) Universal	Current	Conditional	Infrastructure
134	Software	Print Drivers	PCL5 x86			iiii asti uctule
,			61.112.1.9321			
			Hewlett-Packard	Current	Conditional	PBGC - IT
,			(HP) Universal	Carrent	Contactional	Infrastructure
135	Software	Print Drivers	PCL6 x64			ast. asta. s
			61.112.1.9321			
			Hewlett-Packard	Current	Conditional	PBGC - IT
435	6. 6.	5	(HP) Universal			Infrastructure
136	Software	Print Drivers	PCL6 x86			
			61.112.1.9321			
137	Software	Print Drivers	Hewlett-Packard	Current	Conditional	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<i>,</i>	3 ,	Product		Indicator	
			(HP) Universal PS			Infrastructure
			x64 61.112.1.9321			
			Hewlett-Packard	Current	Conditional	PBGC - IT
138	Software	Print Drivers	(HP) Universal PS			Infrastructure
			x86 61.112.1.9321			
			Ricoh Aficio MP	Current	Conditional	Facilities
139	Software	Print Drivers	6001 PCL6 x64			Services
			1.3.0.0			Program
			Ricoh Aficio MP	Current	Conditional	Facilities
140	Software	Print Drivers	6001 PCL6 x86			Services
			1.3.0.0			Program
			Xerox Global Print	Current	Conditional	
141	Software	Print Drivers	Driver PCL6 x64			
			5216.1200.0.0			
			Xerox Global Print	Current	Conditional	
142	Software	Print Drivers	Driver PCL6 x86			
			5216.1200.0.0			
143	Software	Remote Access	Juniper IVE	Current	Conditional	PBGC - IT
143	Software	Remote Access	Platform OS 7.0 R1			Infrastructure
			Microsoft Remote	At Risk	Conditional	PBGC - IT
144	Software	Remote Access	Desktop Services			Infrastructure
			Windows 2008 R2			
			Microsoft Remote	Current	Conditional	PBGC - IT
145	Software	Remote Access	Desktop Services			Infrastructure
143	Joitware	Nemote Access	(Windows 2012			
			R2)			
			Microsoft Terminal	Current	Conditional	PBGC - IT
146	Software	Remote Access	Services Windows			Infrastructure
			2003 R2			
			Microsoft	Recommended	Conditional	PBGC - IT
			Forefront TMG			Infrastructure
147	Software	Reverse Proxy	(Threat			
			Management			
			Gateway) 2010			
		Server	BASH Shell Script	Current	Exempt	PBGC - IT
148	Software	Administration				Infrastructure
		Tools and				
		Technologies	<u> </u>		_	
	- •	Server	Bourne Shell Script	Current	Exempt	PBGC - IT
149	Software	Administration	(SH)			Infrastructure
		Tools and				



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<b>,</b>	,	Product		Indicator	
		Technologies				
		Server	C Shell Script (CSH)	Current	Exempt	PBGC - IT
4.50	G (t)	Administration			-	Infrastructure
150	Software	Tools and				
		Technologies				
		Server	Hewlett-Packard	Current	Exempt	PBGC - IT
151	Caftunara	Administration	(HP) Array			Infrastructure
151	Software	Tools and	Configuration			
		Technologies	Utility 8.7			
		Server	Hewlett-Packard	Current	Exempt	PBGC - IT
		Administration	(HP) Insight			Infrastructure
152	Software	Tools and	Control for			
		Technologies	BladeSystem			
		reclinologies	enclosures 6.3			
		Server	Hewlett-Packard	Current	Exempt	PBGC - IT
153	Software	Administration	(HP) Insight			Infrastructure
133	Jonware	Tools and	Diagnostics Online			
		Technologies	Edition 8.7			
		Server	Hewlett-Packard	Current	Exempt	PBGC - IT
154	Software	Administration	(HP) Insight			Infrastructure
10.	00.0.00	Tools and	Manager Agents			
		Technologies	8.7			
		Server	Hewlett-Packard	Current	Exempt	PBGC - IT
		Administration	(HP) Lights-Out			Infrastructure
155	Software	Tools and	On-line			
		Technologies	Configuration			
			Utility 3.1.1.0			
		Server	Hewlett-Packard	Current	Exempt	PBGC - IT
156	Software	Administration	(HP) Proliant			Infrastructure
		Tools and	Support Pack (PSP)			
		Technologies	8.70			
		Server	Hewlett-Packard	Current	Exempt	PBGC - IT
157	Software	Administration	(HP) System			Infrastructure
		Tools and	Management			
		Technologies	HomePage 6.3.0	Commont	- Francist	DDCC IT
		Server	Hewlett-Packard	Current	Exempt	PBGC - IT
158	Software	Administration	(HP) Systems			Infrastructure
		Tools and	Insight Manager			
		Technologies	(SIM) 6.3	Current	Evenet	DDCC IT
159	Software	Server	Hewlett-Packard	Current	Exempt	PBGC - IT
		Administration	(HP) Version			Infrastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	0 ,		Product		Indicator	
		Tools and	Control Agent			
		Technologies	6.3.0.870			
		Server	Korn Shell Script	Current	Exempt	PBGC - IT
		Administration	(KSH)			Infrastructure
160	Software	Tools and	,			
		Technologies				
		Server	Microsoft Active	At Risk	Non-Exempt	PBGC - IT
	a 6	Administration	Directory 2008 R2		·	Infrastructure
161	Software	Tools and	,			
		Technologies				
		Server	Microsoft Active	Current	Part of	PBGC - IT
4.50		Administration	Directory 2012 R2		Another	Infrastructure
162	Software	Tools and	·		Product	
		Technologies				
		Server	Microsoft	At Risk	Exempt	PBGC - IT
4.60	c ()	Administration	Deployment			Infrastructure
163	Software	Tools and	Toolkit 2012			
		Technologies	Update 1			
		Server	Microsoft	Current	Exempt	PBGC - IT
164	Software	Administration	Deployment			Infrastructure
104	Software	Tools and	Toolkit 2013			
		Technologies				
		Server	Microsoft Group	Current	Part of	PBGC - IT
165	Software	Administration	Policy		Another	Infrastructure
103	Software	Tools and			Product	
		Technologies				
		Server	Microsoft	Current	Part of	PBGC - IT
166	Software	Administration	Management		Another	Infrastructure
100	301111411	Tools and	Console (MMC)		Product	
		Technologies	3.0			
		Server	Microsoft PsExec	Current	Exempt	PBGC - IT
167	Software	Administration	v1.98			Infrastructure
207	30.000	Tools and				
		Technologies				
		Server	Microsoft Remote	Current	Exempt	PBGC - IT
168	Software	Administration	Desktop			Infrastructure
	- 31 <b>-</b>	Tools and	Connection			
		Technologies	Manager 2.2			
		Server	Microsoft Remote	Current	Part of	PBGC - IT
169	Software	Administration	Server		Another	Infrastructure
		Tools and	Administration		Product	



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<i>,</i>	,	Product		Indicator	
		Technologies	Tools (RSAT)			
		Server	Microsoft SQL	Current	Part of	PBGC - IT
		Administration	Server		Another	Infrastructure
170	Software	Tools and	Management		Product	
		Technologies	Studio 2008 R2			
		Server	Microsoft System	Restricted	Exempt	PBGC - IT
4-4	c (:	Administration	Center Operations			Infrastructure
171	Software	Tools and	Manager 2007 (R2)			
		Technologies				
		Server	Microsoft	At Risk	Exempt	PBGC - IT
472	C - ft	Administration	Windows			Infrastructure
172	Software	Tools and	Powershell 2.0			
		Technologies				
		Server	Microsoft	Current	Exempt	PBGC - IT
170	Cafturana	Administration	Windows			Infrastructure
173	Software	Tools and	PowerShell 3			
		Technologies				
		Server	Microsoft	Current	Exempt	PBGC - IT
174	Software	Administration	Windows Resource			Infrastructure
1/4	Software	Tools and	kits			
		Technologies				
		Server	Microsoft	Current	Exempt	PBGC - IT
175	Software	Administration	Windows Support			Infrastructure
1/3	Software	Tools and	Tools			
		Technologies				
		Server	Microsoft	Current	Conditional	
176	Software	Administration	Wulnstall 1.1			
170	Sortware	Tools and				
		Technologies				
		Server	Nucleus Kernel 7.0	Current	Conditional	PBGC - IT
177	Software	Administration				Infrastructure
	30.000	Tools and				
		Technologies				
		Server	Oracle Enterprise	At Risk	Conditional	PBGC - IT
178	Software	Administration	Manager Grid			Infrastructure
		Tools and	Control 10g			
		Technologies				
		Server	Oracle Enterprise	Current	Conditional	PBGC - IT
179	Software	Administration	Manager Grid			Infrastructure
	-	Tools and	Control 11g			
		Technologies				



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	category	Sub category	Product	O duc	Indicator	O Willer
		Server	Orca UNIX	At Risk	Exempt	PBGC - IT
		Administration		ALNISK	Exempt	Infrastructure
180	Software	Tools and	monitoring tool			iiiiastructure
		Technologies Server	Quest PowerGUI	Current	Evennt	PBGC - IT
		Administration	1	Current	Exempt	Infrastructure
181	Software	Tools and	3.0			inirastructure
		Technologies	Canian	Command	Fuguerat	DDCC IT
		Server	Sapien	Current	Exempt	PBGC - IT
182	Software	Administration	Technologies			Infrastructure
		Tools and	PrimalScript 3.1			
		Technologies				22.00 17
		Server	vbscript	Current	Exempt	PBGC - IT
183	Software	Administration				Infrastructure
		Tools and				
		Technologies				
		Server	Vmware Tools 4.1	At Risk	Part of	PBGC - IT
184	Software	Administration			Another	Infrastructure
		Tools and			Product	
		Technologies				
		Server	Vmware vCenter	At Risk	Exempt	PBGC - IT
185	Software	Administration	Converter 4.2.1			Infrastructure
		Tools and				
		Technologies				
		Server	Vmware vCenter	Recommended	Exempt	PBGC - IT
186	Software	Administration	Converter 5.0			Infrastructure
		Tools and				
		Technologies				
		Server	Vmware vCenter	At Risk	Part of	PBGC - IT
187	Software	Administration	Server 4.1.0		Another	Infrastructure
		Tools and			Product	
		Technologies				
		Server	Vmware vCenter	Recommended	Part of	PBGC - IT
188	Software	Administration	Server 5.0		Another	Infrastructure
		Tools and			Product	
		Technologies				
		Server	Vmware vCenter	At Risk	Part of	PBGC - IT
189	Software	Administration	Update Manager		Another	Infrastructure
	23.0.00	Tools and	4.1.0		Product	
		Technologies				
190	Software	Server	Vmware vCenter	Recommended	Part of	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	0 ,	,	Product		Indicator	
		Administration	Update Manager		Another	Infrastructure
		Tools and	5.0		Product	
		Technologies				
		Server	Vmware vSphere	At Risk	Conditional	PBGC - IT
	_	Administration	4.1.0			Infrastructure
191	Software	Tools and				
		Technologies				
		Server	Vmware vSphere	Recommended	Conditional	PBGC - IT
		Administration	5.0			Infrastructure
192	Software	Tools and				
		Technologies				
		Server	Vmware vSphere	At Risk	Part of	PBGC - IT
	- •	Administration	client 4.1.0		Another	Infrastructure
193	Software	Tools and			Product	
		Technologies				
		Server	Vmware vSphere	Recommended	Part of	PBGC - IT
	- 6	Administration	client 5.0		Another	Infrastructure
194	Software	Tools and			Product	
		Technologies				
		Server	Vmware vSphere	Current	Part of	PBGC - IT
195	Software	Administration	Management		Another	Infrastructure
195	Software	Tools and	Assistant (vMA)		Product	
		Technologies	4.1 [appliance]			
		Server	Vmware vSphere	Recommended	Part of	PBGC - IT
196	Software	Administration	Management		Another	Infrastructure
190	Software	Tools and	Assistant (vMA)		Product	
		Technologies	5.0 [appliance]			
		Server	Z Shell Script (ZSH)	Current	Exempt	PBGC - IT
197	Software	Administration				Infrastructure
137	Software	Tools and				
		Technologies				
198	Software	Web server	Apache HTTP	Current	Conditional	
130	Software	vveb server	Server 2.2			
199	Software	Web server	Apache HTTP	Recommended	Conditional	
			Server 2.4			
			Apache Tomcat	Restricted	Part of	
200	Software	Web server	6.0.33		Another	
					Product	
			Apache Tomcat	Restricted	Part of	
201	Software	Web server	6.0.37		Another	
					Product	



Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
202	Software	Web server	Microsoft Internet Information Services (IIS) 7.0	At Risk	Conditional	PBGC - IT Infrastructure
203	Software	Web server	Microsoft Internet Information Services (IIS) 7.5	At Risk	Conditional	PBGC - IT Infrastructure
204	Software	Web server	Microsoft Internet Information Services (IIS) 8.5	Current	Conditional	PBGC - IT Infrastructure
205	Software	Web server	Oracle Application Server 10.1.2 HTTP Server	At Risk	Conditional	
206	Software	Web server	Oracle Application Server 10.1.3 HTTP Server	At Risk	Conditional	
207	Software	Web server	Oracle HTTP Server 11g	Recommended	Conditional	
208	Workstation Software	Collaboration Tools	Mitratech TeamConnect 3.0	At Risk	Conditional	PBGC - Risk Management Early Warning / Legal Matter Management

## 5.4 Security

Security in the TRM contains standards, software, and specialized appliances for detection, identification, assessment, tracking and prevention, neutralization or elimination of threats, and weaknesses that may lead to compromise of at least one of the three components of IT security: confidentiality, integrity or availability. Products in the Security category protect information and information systems from unauthorized access, disclosure, disruption, destruction or denial of service.

In addition to the protection from external threats, products in this category identify security needs, account for authorized users and their access rights to the information systems, information or facilities, protect users' identity, identify and establish adequate security controls to meet the security needs.

Due to the potentially sensitive information included regarding the IT security tools, products and protocols in use or planned at PBGC, this information is not included as part of the published TRM. If there is a need to review this information, please contact the Enterprise Information Security Office (EISO) where the request can be reviewed and approved.



### 5.5 Connectivity

This category describes the standards, protocols, cabling, hardware and software products making communication among information systems and/or users possible through necessary standardization, network monitoring, planning, and continuous maintenance.

Products in this category connect information systems and users located in PBGC headquarters campus, FBA sites, Internet, and PBGC partner sites. This category covers general-use computer networks and does not include communication mechanisms used and managed internally in highly specialized systems like the Storage Area Network (SAN).

Ref			Technology /		Update	
ID	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
			Product		Indicator	
1	Data	N/A	Axway Secure	Restricted	Exempt	PBGC - IT
	Transmission		Client 5.7.1			Infrastructure
2	Data	N/A	File Transfer	At Risk	Non-Exempt	PBGC - IT
_	Transmission		Protocol (FTP)			Infrastructure
3	Data	N/A	HTTP, HTTPS, SFTP	Current	Non-Exempt	PBGC - IT
	Transmission					Infrastructure
			International	Current	Conditional	
	Data		Business Machines			
4	Transmission	N/A	(IBM) Sterling			
			Connect:Direct			
			v4.1			
			IPSwitch MoveIt	Restricted	Exempt	PBGC -
5	Data	N/A	DMZ XFER 6			Participant
	Transmission	,,,				Services (Benefit
						Administration)
			IPSwitch MOVEit	Restricted	Exempt	PBGC -
6	Data	N/A	Wizard Web			Participant
	Transmission	,,,,	ActiveX			Services (Benefit
						Administration)
7	Data	N/A	IPSwitch WSFTP	Current	Conditional	PBGC - IT
,	Transmission		12.4			Infrastructure
	Data		IPSwitch WSFTP	At Risk	Conditional	PBGC - Benefit
8	Transmission	N/A	Pro 9.01			Calculation and
	1141131111331011					Valuation
9	Data	N/A	JCIFS 1.3.11	Current	Conditional	
	Transmission	•				
	Data		LeapFile - Cloud	Current	Conditional	PBGC - IT
10	Transmission	N/A	based File Transfer			Infrastructure
			Service			



D-f			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			Office of Personnel	Restricted	Exempt	Facilities
44	Data	N1/A	Management			Services
11	Transmission	N/A	(OPM) eDelivery			Program
			Direct FTP 1.1.15			
12	Data	NI/A	Samba 3.0.9-	Current	Conditional	PBGC - IT
12	Transmission	N/A	1.3E.17			Infrastructure
13	Data	N/A	Tectia Client 6.2.3	Current	Conditional	PBGC - IT
15	Transmission	IN/A				Infrastructure
14	Data	N/A	Tectia Server 6.2.3	Current	Conditional	PBGC - IT
14	Transmission	IN/A				Infrastructure
			TIBCO Managed	Restricted	Conditional	PBGC -
15	Data	N/A	File Transfer			Participant
13	Transmission	IN/A	Platform server 7.1			Services (Benefit
						Administration)
			Cisco Adaptive	Current	Exempt	PBGC - IT
16	Internet DMZ	HW	Security Appliance			Infrastructure
			(ASA) 5500			
			Cisco Adaptive	Current	Exempt	PBGC - IT
17	Internet DMZ	HW	Security Appliance			Infrastructure
			(ASA) 5585			
			Cisco Adaptive	Current	Exempt	PBGC - IT
18	Internet DMZ	OS	Security Appliance			Infrastructure
			(ASA) OS 8.4			
			Cisco Adaptive	Current	Exempt	PBGC - IT
19	Internet DMZ	SW Protocols	Security Device			Infrastructure
			Manager (ASDM)			
			6.4			
20	LAN MAN WAN	Admin Tools	Cisco Works 3.x	At Risk	Exempt	PBGC - IT
						Infrastructure
21	LAN MAN WAN	Admin Tools	Cisco Works 4.x	Recommended	Exempt	PBGC - IT
						Infrastructure
22	LAN MAN WAN	Admin Tools	Secure Shell (SSH)	Current	Conditional	PBGC - IT
			v3.2			Infrastructure
23	LAN MAN WAN	Admin Tools	WireShark 1.6.2	Current	Exempt	PBGC - IT
				AL D' I	21/2	Infrastructure
_		0.1."	Unshielded	At Risk	N/A	PBGC - IT
24	LAN MAN WAN	Cabling	Twisted Pair (UTP)			Infrastructure
			CAT5	Commont	N1/A	DDCC IT
3-		6-1.1	Unshielded	Current	N/A	PBGC - IT
25	LAN MAN WAN	Cabling	Twisted Pair (UTP)			Infrastructure
			CAT5e			



Def			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			Unshielded	Recommended	Exempt	PBGC - IT
26	LAN MAN WAN	Cabling	Twisted Pair (UTP)			Infrastructure
			CAT6			
			Unshielded	Recommended	Exempt	PBGC - IT
27	LAN MAN WAN	Cabling	Twisted Pair (UTP)			Infrastructure
			CAT6e			
			Hewlett-Packard	Current	Exempt	PBGC - IT
			(HP) BladeSystem			Infrastructure
			c-Class Small Form-			
28	LAN MAN WAN	HW	Factor Pluggable			
			10GbE Copper			
			Cable (487655-			
			B21)			
			Hewlett-Packard	Current	Exempt	PBGC - IT
			(HP) SFP+			Infrastructure
20		111/4/	transceiver			
29	LAN MAN WAN	HW	module (10 GB			
			Fiber GBIC)			
			(455883-B21)			
			LAN MAN WAN	Current	Exempt	PBGC - IT
30	LAN MAN WAN	HW	10/100/1000 T-			Infrastructure
			Base NICs			
31	LAN MAN WAN	HW	LAN MAN WAN	Current	Exempt	PBGC - IT
21	LAN IVIAN WAN	ΠVV	10GB SFP+			Infrastructure
			Cisco Internetwork	Current	Exempt	PBGC - IT
32	LAN MAN WAN	OS	Operating System			Infrastructure
			(IOS) v12.x			
33	LAN MAN WAN	Routers	Cisco routers 18xx	Current	Exempt	PBGC - IT
33	LAN IVIAN WAN	Routers				Infrastructure
34	LAN MAN WAN	Routers	Cisco routers 38xx	Current	Exempt	PBGC - IT
34	LAN IVIAN WAN	Routers				Infrastructure
35	LAN MAN WAN	Routers	Cisco routers 65xx	Current	Exempt	PBGC - IT
33	LAIN IVIAIN VVAIN	Rouleis				Infrastructure
36	LAN MAN WAN	Poutors	Cisco routers 72xx	Current	Exempt	PBGC - IT
50	LAIN IVIAIN VVAIN	Routers				Infrastructure
			Advanced	Current	Exempt	PBGC - IT
37	LAN MAN WAN	SW Protocols	Encryption			Infrastructure
3/	LAN IVIAN WAN	3VV PIULULUIS	Standard (AES)			
			256-bit			
38	LAN MAN WAN	SW Protocols	Internet Protocol	Current	Exempt	PBGC - IT
36	LAN IVIAN WAN	3VV PIULULUIS	Security (IPsec)			Infrastructure



D. (			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
		014 B 1	MPLS	Current	Exempt	PBGC - IT
39	LAN MAN WAN	SW Protocols				Infrastructure
40		SW Protocols	Open Shortest	Current	Conditional	PBGC - IT
40	LAN MAN WAN	SVV Protocois	Path First (OSPF)			Infrastructure
			Plixer Scrutinizer	Current	Exempt	PBGC - IT
41	LAN MAN WAN	SW Protocols	WAN Flow (Net			Infrastructure
			Flow)			
42	LAN MAN WAN	SW Protocols	Riverbed RiOS 5.x	Current	Exempt	PBGC - IT
						Infrastructure
43	LAN MAN WAN	SW Protocols	Riverbed RiOS 6.x	Current	Exempt	PBGC - IT
						Infrastructure
44	LAN MAN WAN	SW Protocols	Riverbed RiOS 7.x	Current	Exempt	PBGC - IT
						Infrastructure
45	LAN MAN WAN	SW Protocols	TCP/IPv4	Current	Non-Exempt	PBGC - IT
						Infrastructure
46	LAN MAN WAN	SW Protocols	TCP/IPv6	Current	Non-Exempt	PBGC - IT
			Ciana Catalyat	At Dial	F	Infrastructure
47		Control	Cisco Catalyst	At Risk	Exempt	PBGC - IT
47	LAN MAN WAN	Switches	switches 45xx (4506-E)			Infrastructure
			Cisco Core	Current	Exempt	PBGC - IT
48	LAN MAN WAN	Switches	Switches 65xxE	Current	Exempt	Infrastructure
40	LAN MAN WAN	Switches	(6504, 6509, 6513)			iiiiastructure
			Cisco Nexus Core	Current	Exempt	PBGC - IT
49	LAN MAN WAN	Switches	Switches (2000,		Exempt	Infrastructure
			5000, and 7000)			
			Cisco workgroup	At Risk	Exempt	PBGC - IT
50	LAN MAN WAN	Switches	switches 29xx		·	Infrastructure
			(2924, 2960)			
			Cisco workgroup	At Risk	Exempt	PBGC - IT
51	LAN MAN WAN	Switches	switches 35xx			Infrastructure
			(3524, 3550)			
			Cisco workgroup	Current	Exempt	PBGC - IT
52	LAN MAN WAN	Switches	switches 37xx			Infrastructure
			(3750)			
			LAN MAN WAN	Current	N/A	PBGC - IT
53	LAN MAN WAN	Wiring	10G fiber 50			Infrastructure
			microns			
			LAN MAN WAN	At Risk	N/A	PBGC - IT
54	LAN MAN WAN	Wiring	10G fiber 62.5			Infrastructure
			microns			



5 (			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			Brocade ADX 1000	Current	Exempt	PBGC - IT
		21/2	Load Balancer			Infrastructure
55	Load Balancing	N/A	Appliance (OS			
			v12.1) (OS v12.1)			
			Cisco Content	At Risk	Exempt	PBGC - IT
56	Load Balancing	N/A	Services Switch			Infrastructure
	_		115xx			
	1/01	21/2	CheckPoint UTM-1	Current	Exempt	PBGC - IT
57	VPN	N/A	570 Appliance			Infrastructure
F0	VDN	N1/A	Juniper SSL VPN	Current	Exempt	PBGC - IT
58	VPN	N/A	Appliance SA6500			Infrastructure
	\A/A N I		Riverbed Central	Current	Exempt	PBGC - IT
59	WAN	N/A	Management			Infrastructure
	Optimization		Console 5.x			
	WAN		Riverbed Central	Current	Exempt	PBGC - IT
60	Optimization	N/A	Management			Infrastructure
	Optimization		Console 6.x			
	WAN		Riverbed Central	Current	Exempt	PBGC - IT
61	Optimization	N/A	Management			Infrastructure
	Optimization		Console 7.x			
	WAN		Riverbed Riverbed	Current	Exempt	PBGC - IT
62	Optimization	N/A	Steelhead Mobile			Infrastructure
	Optimization		Controller 3.x			
	WAN		Riverbed Riverbed	Current	Exempt	PBGC - IT
63	Optimization	N/A	Steelhead Mobile			Infrastructure
	Optimization		Controller 4.x			
	WAN		Riverbed	Current	Exempt	PBGC - IT
64	Optimization	N/A	Steelhead 2000			Infrastructure
	Optimization		series			
	WAN		Riverbed	Current	Exempt	PBGC - IT
65	Optimization	N/A	Steelhead 6000			Infrastructure
	Optimization		series			
	WAN		Riverbed	Current	Exempt	PBGC - IT
66	Optimization	N/A	Steelhead 7000			Infrastructure
	- p2000		series			
	WAN		Riverbed	Current	Exempt	PBGC - IT
67	Optimization	N/A	Steelhead 8000			Infrastructure
	- p200011		series			



## 5.6 Technology Service Management

This category covers products supporting most of the ITIL processes. Support for the ITIL processes which directly interacts with or benefits the end user is combined with other services affecting end users and included into the User Service Management Category.

- (			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner (IT
ID	,		Product		Indicator	Investment)
			Hewlett-Packard	Current	Conditional	PBGC - IT
1	Availability	N/A	(HP) Network			Infrastructure
_	Management	N/A	Node Manager I			
			series (NNMi) 8.13			
			Hewlett-Packard	Recommended	Conditional	PBGC - IT
2	Availability	N/A	(HP) Network			Infrastructure
_	Management	NA	Node Manager I			
			series (NNMi) 9.10			
			Hewlett-Packard	Current	Conditional	PBGC - IT
3	Availability	N/A	(HP) Real-time			Infrastructure
	Management	,,,	User Monitor			
			(RUM) 8.0			
			Hewlett-Packard	Recommended	Conditional	PBGC - IT
4	Availability	N/A	(HP) Real-time			Infrastructure
	Management	.,,	User Monitor			
			(RUM) 9.10			
	Availability		Hewlett-Packard	Current	Conditional	PBGC - IT
5	Management	N/A	(HP) SiteScope			Infrastructure
			11.01			
	Availability		Hewlett-Packard	Recommended	Conditional	PBGC - IT
6	Management	N/A	(HP) SiteScope			Infrastructure
			11.10	Commont	Canadiai anad	DDCC IT
7	Capacity	NI/A	Hewlett-Packard	Current	Conditional	PBGC - IT
′	Management	N/A	(HP) SiteScope 11.01			Infrastructure
			Hewlett-Packard	Recommended	Conditional	PBGC - IT
8	Capacity	N/A	(HP) SiteScope	Recommended	Conditional	Infrastructure
0	Management	N/A	11.10			iiii asti ucture
			Hewlett-Packard	Current	Conditional	PBGC - IT
9	Change	N/A	(HP) Service	Current	Conditional	Infrastructure
	Management	19/5	Manager 7.11			astracture
			Hewlett-Packard	Recommended	Conditional	PBGC - IT
10	Change	N/A	(HP) Service	- I Coo	20	Infrastructure
	Management	,	Manager 9.30			
11	Configuration	N/A	Hewlett-Packard	Current	Conditional	PBGC - IT
	<b>U</b> · · · ·	,		L	1	



_			Technology /		Update	_
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner (IT
ID	,	,	Product		Indicator	Investment)
	Management		(HP) Discovery and			Infrastructure
			Dependency			
			Mapping Advanced			
			Edition (DDMi AE)			
			8.05			
			Hewlett-Packard	Recommended	Conditional	PBGC - IT
			(HP) Discovery and			Infrastructure
42	Configuration	<b>31/4</b>	Dependency			
12	Management	N/A	Mapping Advanced			
			Edition (DDMi AE)			
			9.04			
			Hewlett-Packard	Current	Conditional	PBGC - IT
			(HP) Universal			Infrastructure
13	Configuration	N1/A	Configuration			
13	Management	N/A	Management			
			Database (uCMDB)			
			8.05			
			Hewlett-Packard	Recommended	Conditional	PBGC - IT
			(HP) Universal			Infrastructure
14	Configuration	N/A	Configuration			
14	Management	N/A	Management			
			Database (uCMDB)			
			9.04			
			Oracle	Current	Exempt	PBGC - IT
15	Configuration	N/A	Configuration			Infrastructure
13	Management	.,,,,	Manager (OCM)			
			11g			
	IT Asset Inventory		Altiris Asset	Recommended	Conditional	PBGC - IT
16	and License	N/A	Management Suite			Infrastructure
	Management					
	IT Asset Inventory	_	CACI Comprizon	Current	Conditional	Procurement
17	and License	N/A	Suite 8.11			Management
	Management				_	Program
	IT Asset Inventory		CACI Comprizon	At Risk	Conditional	Procurement
18	and License	N/A	Suite 8.10			Management
	Management			_		Program
	IT Asset Inventory		CG4 Solution Asset	Current	Conditional	PBGC - IT
19	and License	N/A	Tracking System			Infrastructure
	Management		4.5.6		0 100	2222
20	IT Asset Inventory	N/A	Hewlett-Packard	Current	Conditional	PBGC - IT
	and License		(HP) Asset			Infrastructure



- (			Technology /		Update	o /
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner (IT
ID			Product		Indicator	Investment)
	Management		Manager 9.3			
			Hewlett-Packard	Recommended	Conditional	PBGC - IT
	IT Asset Inventory		(HP) Discovery and			Infrastructure
21	and License	N/A	Dependency			
	Management		Mapping (DDMi)			
			9.04			
	IT Asset Inventory		InMagic DB/Text	At Risk	Conditional	PBGC - IT
22	and License	N/A	Works 11			Infrastructure
	Management					
			International	Current	Conditional	PBGC - IT
	IT Asset Inventory		Business Machines			Infrastructure
23	and License	N/A	(IBM) Endpoint			
	Management		Manager (EM)			
	17 D . (C. II)		9.0.x		0 100	
2.4	IT Portfolio	21/2	Oracle Primavera	Current	Conditional	IT Planning and
24	Project	N/A	Portfolio			Management
	Management		Management 9.0	Commont	Non Evenent	Solutions
	IT Portfolio		Oracle Primavera	Current	Non-Exempt	IT Planning and
25	Project	N/A	Portfolio  Management P6v7			Management Solutions
	Management		SP4			Solutions
	Release and		Hewlett-Packard	Current	Conditional	PBGC - IT
26	Deployment	N/A	(HP) Release	Current	Conditional	Infrastructure
20	Management	14/71	Control 9.13			imustractare
	Release and		Hewlett-Packard	Current	Conditional	PBGC - IT
27	Deployment	N/A	(HP) Service			Infrastructure
	. , Management	•	Manager 7.11			
	Release and		Hewlett-Packard	Recommended	Conditional	PBGC - IT
28	Deployment	N/A	(HP) Service			Infrastructure
	Management		Manager 9.30			
			Hewlett-Packard	Current	Conditional	PBGC - IT
29	Service Catalog	N/A	(HP) Service			Infrastructure
			Manager 7.11			
			Hewlett-Packard	Recommended	Conditional	PBGC - IT
30	Service Catalog	N/A	(HP) Service			Infrastructure
			Manager 9.30			
			Hewlett-Packard	Current	Conditional	PBGC - IT
31	Service Level	N/A	(HP) Business			Infrastructure
	Management		Process Monitor			
			(BPM) 8.05			
32	Service Level	N/A	Hewlett-Packard	Recommended	Conditional	PBGC - IT



Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner (IT Investment)
	Management		(HP) Business			Infrastructure
			Process Monitor			
			(BPM) 9.10			
			Hewlett-Packard	Current	Conditional	PBGC - IT
	Service Level		(HP) Business			Infrastructure
33	Management	N/A	Service			
	ivialiagement		Management			
			(BSM) 8.05			
			Hewlett-Packard	Recommended	Conditional	PBGC - IT
	Service Level		(HP) Business			Infrastructure
34	Management	N/A	Service			
	ivialiagement		Management			
			(BSM) 9.10			
	Service Level		Hewlett-Packard	Current	Conditional	PBGC - IT
35		N/A	(HP) Service			Infrastructure
	Management		Manager 7.11			
	Service Level		Hewlett-Packard	Recommended	Conditional	PBGC - IT
36		N/A	(HP) Service			Infrastructure
	Management		Manager 9.30			

# **5.7 User Service Management**

This category describes ITIL processes and services which directly interact with, support, or benefit the end users, their workstations, or work places.

Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
1	Service Desk	Incident management	Hewlett-Packard (HP) Service Manager 7.11	Current	Conditional	PBGC - IT Infrastructure
2	Service Desk	Problem Management	Hewlett-Packard (HP) Service Manager 7.11	Current	Non-Exempt	PBGC - IT Infrastructure
3	Service Desk	Request Call Management	Hewlett-Packard (HP) Service Manager 7.11	Current	Conditional	PBGC - IT Infrastructure
4	Software delivery and	N/A	Altiris Agent 6.0	Current	Conditional	PBGC - IT Infrastructure



Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
	configuration					
	Software delivery		Altiris Software	Current	Conditional	PBGC - IT
5	and	N/A	Portal			Infrastructure
	configuration					
6	User Account	N/A	Microsoft Active	At Risk	Non-Exempt	PBGC - IT
0	Management	N/A	Directory 2003			Infrastructure
7	User Account	N/A	Oracle Identity	Recommended	Non-Exempt	PBGC - IT
/	Management	N/A	Manager 11g			Infrastructure

### 5.8 Technology Delivery Support

This category includes standards, products, tools and software solutions to be used by the development and implementation teams during the design, development, and deployment phases of the solution lifecycle. These tools and solutions provide direct support to the processes that the development teams face during development and cover areas of requirements management, solution construction, testing, validation, and monitoring. The standards and protocols included in this category provide a baseline of technologies that PBGC solutions have to use to construct the solution or apply for a waiver.

Ref	Category	Sub Category	Technology / Protocol /	Grade	Update Sensitivity	Owner
יוו			Product		Indicator	
	Component		Microsoft COM+	At Risk	Non-Exempt	PBGC - IT
1	Management and	N/A				Infrastructure
	Instrumentation					
	Component		Oracle Java	Current	Conditional	PBGC - IT
2	Management and	N/A	Management			Infrastructure
	Instrumentation		Extensions (JMX)			
	mstramentation		1.2			
3	Development	N/A	Adobe After	At Risk	Non-Exempt	PBGC - IT
3	Environment		Effects 10			Infrastructure
4	Development	N/A	Adobe After	At Risk	Non-Exempt	PBGC - IT
4	Environment	N/A	Effects 9			Infrastructure
	Development		Adobe Creative	At Risk	Non-Exempt	PBGC - IT
5	Environment	N/A	Suite Design &			Infrastructure
	Liivii Oliillelit		Web Premium			
	Development		Adobe Creative	At Risk	Non-Exempt	PBGC - IT
6	Development Environment	N/A	Suite Master			Infrastructure
	Environment		Collection			
7	Development	N/A	Adobe Creative	At Risk	Non-Exempt	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	,	,	Product		Indicator	
	Environment		Suite Production			Infrastructure
			Premium			
	Development	_	Adobe	At Risk	Non-Exempt	PBGC - IT
8	Environment	N/A	Dreamweaver 6		·	Infrastructure
	Development		Adobe	Current	Exempt	PBGC - IT
9	Environment	N/A	Dreamweaver CS5			Infrastructure
40	Development	N1/A	Adobe LiveCycle	At Risk	Non-Exempt	PBGC - IT
10	Environment	N/A	Designer 9			Infrastructure
	Development		Adobe	Current	Conditional	PBGC - IT
11	Environment	N/A	ReportBuilder			Infrastructure
	Liiviioiiiileiit		Excel Add-on			
12	Development	N/A	Altova MapForce	At Risk	Non-Exempt	PBGC - IT
12	Environment	N/A	2008			Infrastructure
13	Development	N/A	Altova MissionKit	At Risk	Non-Exempt	PBGC - IT
13	Environment		2011			Infrastructure
14	Development	N/A	Altova StyleVision	At Risk	Non-Exempt	PBGC - IT
- '	Environment		2008			Infrastructure
15	Development	N/A	Altova Umodel	At Risk	Non-Exempt	PBGC - IT
	Environment		2012			Infrastructure
16	Development	N/A	Altova XMLSpy	At Risk	Non-Exempt	PBGC - IT
	Environment	,	2008			Infrastructure
17	Development	N/A	Altova XMLSpy	Current	Non-Exempt	PBGC - IT
	Environment	,	2012			Infrastructure
18	Development	N/A	Altova XMLSpy	Current	Non-Exempt	PBGC - IT
	Environment	•	2013			Infrastructure
19	Development	N/A	Altova XMLSpy	Current	Exempt	PBGC - IT
	Environment		2014	4. 5. 1		Infrastructure
20	Development	N/A	Eclipse Foundation	At Risk	Non-Exempt	PBGC - IT
	Environment		Eclipse Classic 1.2	At Diele	Non Everent	Infrastructure
21	Development Environment	N/A	Eclipse Foundation Eclipse Classic 3.2	At Risk	Non-Exempt	PBGC - IT Infrastructure
	Development		Eclipse Foundation	At Risk	Non-Exempt	PBGC - IT
22	Environment	N/A	Eclipse Classic 3.4	AL NISK	Non-Exempt	Infrastructure
	Development		Eclipse Foundation	At Risk	Non-Exempt	PBGC - IT
23	Environment	N/A	Eclipse Classic 3.5	At Nisk	Non-Exempt	Infrastructure
	Development		Eclipse Foundation	Current	Non-Exempt	PBGC - IT
24	Environment	N/A	Eclipse Classic 3.7		Tron Exempt	Infrastructure
	Development		Eclipse Foundation	Recommended	Non-Exempt	PBGC - IT
25	Environment	N/A	Eclipse Classic 4.1			Infrastructure
	Development	_	GNUWin32 (Tar for	At Risk	Non-Exempt	PBGC - IT
26	Environment	N/A	Win32) 1.13			Infrastructure
	LIIVII OIIIIIEIIL		VVIII32/ 1.13	]		mmastructure



D. (			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			International	At Risk	Non-Exempt	PBGC - IT
27	Development	N1 / A	Business Machines			Infrastructure
27	Environment	N/A	(IBM) Rational			
			Requisite Pro 7.1			
	Development		Mansfield	At Risk	Non-Exempt	PBGC - IT
28	Environment	N/A	Software Group			Infrastructure
	Livironinient		KEDIT 1.5			
29	Development	N/A	Microsoft InfoPath	At Risk	Non-Exempt	PBGC - IT
	Environment	,,,,	Designer 2010			Infrastructure
	Development		Microsoft	At Risk	Non-Exempt	PBGC - IT
30	Environment	N/A	SharePoint			Infrastructure
			Designer 2010			
31	Development	N/A	Microsoft Visual	At Risk	Non-Exempt	PBGC - IT
	Environment	-	Basic 6	4. 5. 1		Infrastructure
32	Development	N/A	Microsoft Visual	At Risk	Non-Exempt	PBGC - IT
	Environment		Basic Enterprise Microsoft Visual	At Risk	Non Evennet	Infrastructure PBGC - IT
33	Development Environment	N/A	FoxPro 9.0	AL KISK	Non-Exempt	Infrastructure
	Development		Microsoft Visual	At Risk	Non-Exempt	PBGC - IT
34	Environment	N/A	Studio 2003	ACNISK	Non-Exempt	Infrastructure
	Development		Microsoft Visual	At Risk	Non-Exempt	PBGC - IT
35	Environment	N/A	Studio 2005	7 te rusk	Non Exempt	Infrastructure
	Development		Microsoft Visual	At Risk	Non-Exempt	PBGC - IT
36	Environment	N/A	Studio 2008			Infrastructure
	Development		Microsoft Visual	Current	Conditional	PBGC - IT
37	Environment	N/A	Studio 2010			Infrastructure
20	Development	N1 / A	Microsoft Visual	At Risk	Non-Exempt	PBGC - IT
38	Environment	N/A	Studio 6			Infrastructure
39	Development	N/A	Microsoft Visual	Current	Conditional	PBGC - IT
39	Environment	IN/A	Studio Professional			Infrastructure
40	Development	N/A	Microsoft	At Risk	Non-Exempt	PBGC - IT
40	Environment	N/A	Windows SDK 6			Infrastructure
			Oracle Business	Recommended	Conditional	PBGC - IT
41	Development	N/A	Intelligence			Infrastructure
	Environment	,,,.	Publisher			
			Enterprise 11.1.1.x			
	Development		Oracle Java	At Risk	Non-Exempt	PBGC - IT
42	Environment	N/A	Decompiler (JD)-			Infrastructure
			GUI 0.2	AL DI L	0 100	DDGG IT
43	Development	N/A	Oracle Application	At Risk	Conditional	PBGC - IT
	Environment		Development			Infrastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			Framework 10.1			
4.4	Development	NI/A	Oracle Application	At Risk	Non-Exempt	PBGC - IT
44	Environment	N/A	Express (APEX) 4.1			Infrastructure
45	Development	N/A	Oracle Designer	At Risk	Non-Exempt	PBGC - IT
43	Environment	N/A	10g			Infrastructure
			Oracle Developer	At Risk	Non-Exempt	PBGC - IT
	Development	<u>,</u>	Suite Software			Infrastructure
46	Environment	N/A	Configuration			
			Manager (SCM)			
			10.1			
47	Development	N/A	Oracle Forms &	At Risk	Conditional	PBGC - IT
	Environment		Reports 10g		0 1::: 1	Infrastructure
48	Development	N/A	Oracle Forms &	Recommended	Conditional	PBGC - IT
	Environment		Reports 11g  Oracle Forms 6i	A+ Diele	Non Evenent	Infrastructure
49	Development Environment	N/A	Oracie Forms 61	At Risk	Non-Exempt	PBGC - IT
	Environment		Oracle Java 2	At Risk	Non Evennet	Infrastructure PBGC - IT
50	Development Environment	N/A	Enterprise Edition	AL KISK	Non-Exempt	Infrastructure
30		N/A	(J2EE) 1.4			iiiiastructure
			Oracle Java	At Risk	Non-Exempt	PBGC - IT
51	Development	· I N/A	Development Kit	7 te rusk	Non Exempt	Infrastructure
31	Environment	1,,,,	1.4			init doct decare
			Oracle Java	At Risk	Non-Exempt	PBGC - IT
52	Development	N/A	Development Kit		·	Infrastructure
	Environment		1.5			
	Development		Oracle Java	Current	Conditional	PBGC - IT
53	Environment	N/A	Development Kit			Infrastructure
	Environment		1.6			
			Oracle Java	At Risk	Non-Exempt	PBGC - IT
54	Development	N/A	Runtime			Infrastructure
	Environment	,,	Environment (JRE)			
			1.6			
55	Development	N/A	Oracle Jdeveloper	At Risk	Non-Exempt	PBGC - IT
	Environment		10g			Infrastructure
56	Development	N/A	Oracle Jdeveloper	Current	Exempt	PBGC - IT
	Environment		11g	Cumarat		Infrastructure
57	Development	N/A	Oracle Jdeveloper	Current	Exempt	PBGC - IT Infrastructure
	Environment		11g Oracle SQL	Current	Conditional	PBGC - IT
58	Development Environment	N/A	Developer 3	Current	Conditional	Infrastructure
59	Development	N/A	Oracle SQL	Current	Conditional	PBGC - IT
JJ	Development	IN/ A	Ji acie JQL	Current	Conditional	1 000 - 11



			Technology /		Update		
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner	
ID	<b>3</b> ,	0 ,	Product		Indicator		
	Environment		Developer Data			Infrastructure	
			Modeler 3				
	Development	21/2	Oracle Warehouse	At Risk	Conditional	PBGC - IT	
60	Environment	N/A	Builder 10g			Infrastructure	
61	Development	N/A	Oracle WebCenter	Current	Conditional	PBGC - IT	
01	Environment	N/A	Interaction 2.2			Infrastructure	
62	Development	N/A	Python 2	At Risk	Non-Exempt	PBGC - IT	
02	Environment	1477				Infrastructure	
63	Development	N/A	Python 3	At Risk	Non-Exempt	PBGC - IT	
	Environment	,				Infrastructure	
64	Development	N/A	Redman Solutions	At Risk	Non-Exempt	PBGC - IT	
	Environment	·	RapidRedact 2.35			Infrastructure	
65	Development	N/A	SciTE 1.7	At Risk	Non-Exempt	PBGC - IT	
	Environment		6:1.	AL D' I		Infrastructure	
	Development Environment	Development	N/A	Si International,	At Risk	Non-Exempt	PBGC - IT
66		IN/A	Inc. Statisticard			Infrastructure	
	Development		4.1 Softerra LDAP	At Risk	Non-Exempt	PBGC - IT	
67	Environment	N/A	Browser 2.6	AL NISK	Non-Exempt	Infrastructure	
	Liiviioiiiieiit		SpreadsheetGear,	Recommended	Conditional	PBGC - Benefit	
68	Development	Development N/A Environment	LLC	Recommended	Conditional	Calculation and	
	Environment		SpreadsheetGear 6			Valuation	
	Development		Sybase Power	At Risk	Non-Exempt	PBGC - IT	
69	Environment	N/A	Builder 10.5			Infrastructure	
	Development		Sybase Power	At Risk	Non-Exempt	PBGC - IT	
70	Environment	N/A	Builder 8			Infrastructure	
71	Development	N/A	Web Development	At Risk	Non-Exempt	PBGC - IT	
/1	Environment	IN/A	Helper 0.8			Infrastructure	
72	Development	N/A	WinMerge 2.12	At Risk	Non-Exempt	PBGC - IT	
72	Environment	N/A				Infrastructure	
73	Development	N/A	WinSCP 3.7	At Risk	Non-Exempt	PBGC - IT	
/3	Environment	NA				Infrastructure	
74	Development	N/A	WinSCP 4.2	At Risk	Non-Exempt	PBGC - IT	
	Environment					Infrastructure	
			Computer	At Risk	Non-Exempt	PBGC - IT	
75	Modeling	N/A	Associates			Infrastructure	
	ivioueiiiig	•	International Inc.				
			BPWin 7.2	At Divi	No. 5	DDCC 17	
70	Modeline	N1 / A	Computer	At Risk	Non-Exempt	PBGC - IT	
76	Modeling	N/A	Associates International Inc.			Infrastructure	
			international Inc.				



- (			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	σ,	,	Product		Indicator	
			Erwin 7.1			
			Computer	At Risk	Non-Exempt	PBGC - IT
		,	Associates			Infrastructure
77	Modeling	N/A	International Inc.			
			Erwin 7.2			
			Computer	Current	Conditional	PBGC - IT
70	N A = al = 11 = ==	N1 / A	Associates			Infrastructure
78	Modeling	N/A	International Inc.			
			Erwin 8.2			
			Computer	At Risk	Non-Exempt	PBGC - IT
			Associates			Infrastructure
79	Modeling	N/A	International Inc.			
			Model Manager			
			7.2			
			International	Recommended	Non-Exempt	PBGC - IT
			Business Machines			Infrastructure
80	Modeling	N/A	(IBM) FileNet			
			Process Designer			
			5.1			
81	Modeling	N/A	Metastorm	At Risk	Non-Exempt	PBGC - IT
		,	ProVision 6.02			Infrastructure
82	Modeling	N/A	Microsoft Visio	Current	Conditional	PBGC - IT
	<b>.</b>	•	Professional 2007			Infrastructure
83	Modeling	N/A	Oracle Workflow	Current	Conditional	PBGC - IT
		-	Builder 2.6			Infrastructure
84	Modeling	N/A	ReSoft Topper 6	At Risk	Non-Exempt	PBGC - IT
			6 1 14" 1	AL D' I		Infrastructure
			SolarWinds	At Risk	Non-Exempt	PBGC - IT
85	Modeling	N/A	Network			Infrastructure
			Performance Monitor 10.3			
				A+ Dick	Non Evennt	PBGC - IT
86	Modeling	N/A	SolarWinds Server	At Risk	Non-Exempt	Infrastructure
80	Modeling	IN/A	& Application  Monitor 5.2			inirastructure
			SolarWinds	At Risk	Non-Exempt	PBGC - IT
87	Modeling	N/A	Synthetic End User	At IVISK	Mon-exempt	Infrastructure
07	iviouciiiig	IV/A	Monitor 1.5			minastructure
			Xming 6.9	At Risk	Non-Exempt	PBGC - IT
88	Modeling	N/A	Alling 0.5	AC NISK	Non Exempt	Infrastructure
			Apache Ant 1.6	At Risk	Non-Exempt	PBGC - IT
89	Packaging and	N/A	I Anache Ant i h			



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
	Packaging and		Apache Ant 1.7	Current	Conditional	PBGC - IT
90	Deployment	N/A				Infrastructure
01	Packaging and	N1 / A	Apache Ant 1.8	Recommended	Non-Exempt	PBGC - IT
91	Deployment	N/A				Infrastructure
	Packaging and		ComponentSource	At Risk	Non-Exempt	PBGC - IT
92	Deployment	N/A	Wise Package			Infrastructure
			Studio 8			
93	Packaging and	N/A	CruiseControl 1	At Risk	Non-Exempt	PBGC - IT
	Deployment	·				Infrastructure
94	Packaging and	N/A	CruiseControl 1.3	At Risk	Non-Exempt	PBGC - IT
	Deployment		Flavore Caffrage	At Dist.	Non Everent	Infrastructure
95	Packaging and	NI / A	Flexera Software InstallShield 2011	At Risk	Non-Exempt	PBGC - IT Infrastructure
95	Deployment	N/A	Limited Edition 17			inirastructure
	Packaging and		JetBrains TeamCity	At Risk	Non-Exempt	PBGC - IT
96	Deployment	N/A	6	ACNISK	Non-Exempt	Infrastructure
	Packaging and		Nant 0.91	At Risk	Non-Exempt	PBGC - IT
97	Deployment	N/A			Zieni Zienipe	Infrastructure
	Packaging and		Nant 0.95	At Risk	Non-Exempt	PBGC - IT
98	Deployment	N/A				Infrastructure
99	Packaging and	NI/A	Nant 0.84	At Risk	Non-Exempt	PBGC - IT
99	Deployment	N/A				Infrastructure
100	Packaging and	N/A	Nant 0.85	At Risk	Non-Exempt	PBGC - IT
100	Deployment	N/A				Infrastructure
101	Packaging and	N/A	Nant 0.86	At Risk	Non-Exempt	PBGC - IT
	Deployment					Infrastructure
	Runtime Libraries		ActiveDBSoft	At Risk	Non-Exempt	PBGC - IT
102	APIs Technologies	N/A	Active Query			Infrastructure
	and Standards		Builder 2010	At Dist.	Non Everent	DDCC IT
	Runtime Libraries		Active Ouery	At Risk	Non-Exempt	PBGC - IT Infrastructure
103	APIs Technologies	N/A	Active Query Builder ActiveX			minastructure
	and Standards		Edition 1.15			
	Runtime Libraries		ActivePDF Toolkit	At Risk	Conditional	PBGC - IT
104	APIs Technologies	N/A	Professional 2011		55	Infrastructure
	and Standards	•				
	Runtime Libraries		ActivePDF	At Risk	Conditional	PBGC - IT
105	APIs Technologies	N/A	Webgrabber 3.5			Infrastructure
	and Standards					
106	Runtime Libraries	N/A	ActivePDF	At Risk	Conditional	PBGC - IT
100	APIs Technologies	IV/A	Webgrabber			Infrastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	0 ,	· .	Product		Indicator	
	and Standards		Enterprise 2010			
	Runtime Libraries		Apache Axis 1.1	At Risk	Non-Exempt	PBGC - IT
107	APIs Technologies	N/A			·	Infrastructure
	and Standards					
	Runtime Libraries		Apache Axis 2.1.5	At Risk	Non-Exempt	PBGC - IT
108	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Apache Log4J 1.2	At Risk	Non-Exempt	PBGC - IT
109	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Apache MyFaces	Current	Conditional	PBGC - IT
110	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Apache Struts 1.2	At Risk	Non-Exempt	PBGC - IT
111	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Apache Struts 2	Current	Conditional	PBGC - IT
112	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Applian	At RIsk	Non-Exempt	PBGC - IT
113	APIs Technologies	N/A	Technologies			Infrastructure
113	and Standards	NA	Replay Capture			
			Suite			
	Runtime Libraries		BeCubed	Current	Conditional	PBGC - IT
114	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Benthic Software	At Risk	Non-Exempt	PBGC - IT
115	APIs Technologies	N/A	Benthic Golden 5.7			Infrastructure
	and Standards					
	Runtime Libraries		ComponentOne	At Risk	Non-Exempt	PBGC - IT
116	APIs Technologies	N/A	Studio for ActiveX			Infrastructure
	and Standards		2010 1.1			
4	Runtime Libraries	A1 / 2	ComponentOne	At Risk	Non-Exempt	PBGC - IT
117	APIs Technologies	N/A	True DBGrid 1			Infrastructure
	and Standards		0	Comm	Car live	DDCC IT
110	Runtime Libraries	N1 / A	ComponentOne VS	Current	Conditional	PBGC - IT
118	APIs Technologies	N/A	View			Infrastructure
	and Standards		6	Commonst	Constitution	DDCC IT
140	Runtime Libraries	N1 / A	ComponentSource	Current	Conditional	PBGC - IT
119	APIs Technologies	N/A	True DBGrid 5			Infrastructure
	and Standards					



- (			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
	Runtime Libraries		Ecrion Software XF	At Risk	Non-Exempt	PBGC - IT
120	APIs Technologies	N/A	Rendering Server			Infrastructure
	and Standards		2007			
	Runtime Libraries		FarPoint	Current	Conditional	PBGC - IT
121	APIs Technologies	N/A	Technologies			Infrastructure
	and Standards		FarPoint Spread			
	Runtime Libraries		FIX Protocol, Ltd.	Current	Conditional	PBGC - IT
122	APIs Technologies	N/A	Financial			Infrastructure
122	and Standards	.,,,,	Information			
	and Standards		eXchange (FIX)			
	Runtime Libraries		iBatis 2.3.4	At Risk	Conditional	PBGC - IT
123	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		innerMedia	At Risk	Non-Exempt	PBGC - IT
124	APIs Technologies	N/A	DynaZip 4			Infrastructure
	and Standards					
	Runtime Libraries		Interactive Data	Current	Conditional	PBGC - IT
125	APIs Technologies	N/A	Corporation (IDC)			Infrastructure
	and Standards		RemotePlus 3.0a			
	Runtime Libraries	4-	iText 2.1	At Risk	Conditional	PBGC - IT
126	APIs Technologies	N/A				Infrastructure
	and Standards				0 1	DD 00 17
407	Runtime Libraries		Macrovision	Recommended	Conditional	PBGC - IT
127	APIs Technologies	N/A	EagleActiveX 11.1			Infrastructure
	and Standards		NA:	A+ Di-L	Non Europe	PBGC - IT
120	Runtime Libraries  APIs Technologies	NI/A	Microsoft ADO.Net	At Risk	Non-Exempt	Infrastructure
128	_	N/A	3			inirastructure
	and Standards Runtime Libraries		Microsoft ADO.Net	At Risk	Non-Exempt	PBGC - IT
129	APIs Technologies	N/A	4	AL NISK	Non-Exempt	Infrastructure
129	and Standards	N/A	4			iiiiastructure
	Runtime Libraries		Microsoft DAO 14	At Risk	Non-Exempt	PBGC - IT
130	APIs Technologies	N/A	WHEIOSOIT DAO 14	ACTION	Non Exempt	Infrastructure
130	and Standards	N/A				imiastructure
			Microsoft Open	At Risk	Non-Exempt	PBGC - IT
	Runtime Libraries		Database	1.051	Exempt	Infrastructure
131	APIs Technologies	N/A	Connectivity			
	and Standards		(ODBC) 11			
	Runtime Libraries		Microsoft	At Risk	Non-Exempt	PBGC - IT
132	APIs Technologies	N/A	System.XML 8			Infrastructure
	and Standards					



5.6			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
	Runtime Libraries		Microsoft Web	At Risk	Non-Exempt	PBGC - IT
133	APIs Technologies	N/A	Service			Infrastructure
	and Standards		Enhancements 2			
	Runtime Libraries		Microsoft Web	At Risk	Non-Exempt	PBGC - IT
134	APIs Technologies	N/A	Service			Infrastructure
	and Standards		Enhancements 3			
	Runtime Libraries		Microsoft	At Risk	Non-Exempt	PBGC - IT
135	APIs Technologies	N/A	Windows			Infrastructure
133	and Standards	.,,,,	Presentation			
	aa otaaa. ao		Foundation 8			
			Oracle Business	Current	Non-Exempt	PBGC - IT
	Runtime Libraries		Process Execution			Infrastructure
136	APIs Technologies	N/A	Language (BPEL)			
	and Standards		Process Manager			
			10g			
	Runtime Libraries		Oracle Database	Current	Conditional	PBGC - IT
137	APIs Technologies	N/A	10g (Client)			Infrastructure
	and Standards					
400	Runtime Libraries		Oracle Database	Current	Conditional	PBGC - IT
138	APIs Technologies	N/A	11g (Client)			Infrastructure
	and Standards		One de Fote musice	A+ Di-I	Non Francis	PBGC - IT
139	Runtime Libraries	N1 / A	Oracle Enterprise JavaBeans 2.1	At Risk	Non-Exempt	
139	APIs Technologies and Standards	N/A	JavaBeans 2.1			Infrastructure
	Runtime Libraries		Oracle Enterprise	Recommended	Non-Exempt	PBGC - IT
140	APIs Technologies	N/A	JavaBeans 3	Recommended	Non-Exempt	Infrastructure
140	and Standards	N/A	Javabeans 5			iiiiastructure
	Runtime Libraries		Oracle JAAS	Current	Conditional	PBGC - IT
141	APIs Technologies	N/A	014616 37 11 13	Current	Corrainment	Infrastructure
	and Standards	•				
			Oracle Java	Current	Conditional	PBGC - IT
	Runtime Libraries		Connector			Infrastructure
142	APIs Technologies	N/A	Architecture (JCA)			
	and Standards		1.5			
	December - 131-		Oracle Java	At Risk	Non-Exempt	PBGC - IT
142	Runtime Libraries	N1 / A	Database			Infrastructure
143	APIs Technologies and Standards	N/A	Connectivity			
	anu Stallualus		(JDBC) 2			
	Runtime Libraries		Oracle Java	Current	Conditional	PBGC - IT
144	APIs Technologies	N/A	Database			Infrastructure
	and Standards		Connectivity			



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	,		Product	0.000	Indicator	
			(JDBC) 3		III di Gatoi	
			Oracle Java	Recommended	Conditional	PBGC - IT
145	Runtime Libraries		Runtime	Recommended	Contactional	Infrastructure
	APIs Technologies	N/A	Environment (JRE)			init doct doctare
	and Standards		1.7			
	Runtime Libraries		Oracle JavaServer	At Risk	Non-Exempt	PBGC - IT
146	APIs Technologies	N/A	Pages (JSP) 2			Infrastructure
•	and Standards	,	,			
147	Runtime Libraries		Oracle JavaServer	Current	Conditional	PBGC - IT
	APIs Technologies	N/A	Pages (JSP) 2.1			Infrastructure
	and Standards					
148	Runtime Libraries		Oracle JAXP 1.3	Current	Conditional	PBGC - IT
	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Oracle JAX-RPC 1.1	At Risk	Non-Exempt	PBGC - IT
149	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries	-	Oracle JAX-WS 1	Current	Conditional	PBGC - IT
150	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Oracle JMS 1.2	Current	Conditional	PBGC - IT
151	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Oracle ODP.NET	At Risk	Non-Exempt	PBGC - IT
152	APIs Technologies	N/A	10g			Infrastructure
	and Standards					
	Runtime Libraries		Oracle ODP.NET	Current	Conditional	PBGC - IT
153	APIs Technologies	N/A	11g			Infrastructure
	and Standards					
	Runtime Libraries		Oracle SAAJ 1.2	At Risk	Non-Exempt	PBGC - IT
154	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries	_	Oracle SAAJ 1.3	Current	Conditional	PBGC - IT
155	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		Oracle Servlet 2.3	At Risk	Non-Exempt	PBGC - IT
156	APIs Technologies	N/A				Infrastructure
	and Standards				1	
157	Runtime Libraries		Oracle Servlet 2.5	At Risk	Non-Exempt	PBGC - IT
	APIs Technologies	N/A				Infrastructure
	and Standards					



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	catego. y	out cutegory	Product	0.000	Indicator	o iii iici
	Runtime Libraries		Oracle SQL*Plus	At Risk	Non-Exempt	PBGC - IT
158	APIs Technologies	N/A	10.2	At Nisk	Non-Exempt	Infrastructure
	and Standards	N/A	10.2			iiiiastructure
	Runtime Libraries		Oracle TopLink	Current	Conditional	PBGC - IT
159	APIs Technologies	N/A	Ordere ropelink	Current	Conditional	Infrastructure
	and Standards	14/74				minastractare
	Runtime Libraries		Pervasive Software	At Risk	Non-Exempt	PBGC - IT
160	APIs Technologies	N/A	PSQL 7.9		2,1011	Infrastructure
	and Standards	14/7	13027.3			iiii asti actare
	Runtime Libraries		Redhat Hibernate	At Risk	Non-Exempt	PBGC - IT
161	APIs Technologies	N/A				Infrastructure
	and Standards	7.7				
	Runtime Libraries		Samba 0.7	At Risk	Non-Exempt	PBGC - IT
162	APIs Technologies	N/A				Infrastructure
	and Standards	•				
163	Runtime Libraries		Spring Source	At Risk	Non-Exempt	PBGC - IT
	APIs Technologies	N/A	Spring Framework			Infrastructure
	and Standards		2			
	Runtime Libraries		Spring Source	Current	Conditional	PBGC - IT
164	APIs Technologies	N/A	Spring Framework			Infrastructure
	and Standards		2.5			
	Runtime Libraries		Spring Source	At Risk	Non-Exempt	PBGC - IT
165	APIs Technologies	N/A	Spring Web			Infrastructure
	and Standards		Services			
166	Runtime Libraries		Tectia	At Risk	Non-Exempt	PBGC - IT
	APIs Technologies	N/A	ConnectSecure 6.1			Infrastructure
	and Standards					
	Runtime Libraries		Tectia	Recommended	Conditional	PBGC - IT
167	APIs Technologies	N/A	ConnectSecure 6.2			Infrastructure
	and Standards					
	Runtime Libraries	N/A	Terracotta, Inc.	Current	Conditional	PBGC - IT
168	APIs Technologies		Quartz Enterprise			Infrastructure
	and Standards		Job Scheduler 1.6			
	Runtime Libraries		UDDI	Current	Conditional	PBGC - IT
169	APIs Technologies	N/A				Infrastructure
	and Standards					
170	Runtime Libraries	_	Unified Expression	Current	Conditional	PBGC - IT
	APIs Technologies	N/A	Language			Infrastructure
	and Standards					
171	Runtime Libraries	N/A	WNA	Current	Conditional	PBGC - IT
	APIs Technologies	•				Infrastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
	and Standards					
	Runtime Libraries		WS-I Basic Profile	Current	Conditional	PBGC - IT
172	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		WS-I Profiles	Current	Conditional	PBGC - IT
173	APIs Technologies	N/A				Infrastructure
	and Standards					
	Runtime Libraries		XBRL International	Current	Conditional	PBGC - IT
174	APIs Technologies	N/A	(XII) XBRL			Infrastructure
	and Standards					
175	Source Control	N/A	Apache Subversion	At Risk	Non-Exempt	PBGC - IT
1/3	Source Control	N/A	2			Infrastructure
176	Source Control	N/A	Git GUI 1.6	At Risk	Non-Exempt	PBGC - IT
	Source Control					Infrastructure
177	Source Control	N/A	Git GUI 10	At Risk	Non-Exempt	PBGC - IT
	<b>3</b> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					Infrastructure
			March Hare	At Risk	Non-Exempt	PBGC - IT
178	Source Control	e Control N/A	Software, Ltd.			Infrastructure
		,	CVSNT Versioning			
			System 2			
179	Source Control	N/A	Mercurial 2.3	At Risk	Non-Exempt	PBGC - IT
						Infrastructure
180	Source Control	N/A	Microsoft Visual	At Risk	Non-Exempt	PBGC - IT
			SourceSafe 6			Infrastructure
404		A1 / A	Serena Software	Current	Conditional	PBGC - IT
181	Source Control	N/A	Inc. PVCS Version			Infrastructure
			Manager 8.1	A+ Diele	Non Evenent	DDCC IT
182	Source Control	N/A	TortoiseHg 2.5	At Risk	Non-Exempt	PBGC - IT Infrastructure
			TortoiseSVN 1.7	At Risk	Non-Exempt	PBGC - IT
183	Source Control	N/A	TOTOISESVIV 1.7	At NISK	Non-Exempt	Infrastructure
			Agitar	Current	Conditional	PBGC - IT
184	Testing and	N/A	Technologies	Current	Conditional	Infrastructure
104	Validation	N/A	AgitarOne			iiiiastructure
			Al Internet	At Risk	Non-Exempt	PBGC - IT
	Testing and		Solutions, LLC CSE	AC NISK	Non Exempt	Infrastructure
185	Validation	N/A	HTML Validator			astracture
	· anadion		Professional 11.02			
	Testing and		Autonomy Qfiniti	Current	Conditional	PBGC - IT
186	Validation	N/A	(E-talk) 3.5			Infrastructure
187	Testing and	N/A	FaciWare FaciPlan	Recommended	Conditional	PBGC - IT
_5,	. 555 8 4114	,,,,	. 30		30	



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	J ,	,	Product		Indicator	
	Validation		2010			Infrastructure
	Tosting and		Hewlett-Packard	Recommended	Conditional	PBGC - IT
188	Testing and Validation	N/A	(HP) LoadRunner			Infrastructure
	validation		11			
	Testing and		Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
189	Validation	N/A	(HP) LoadRunner			Infrastructure
			7.8			
400	Testing and		Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
190	Validation	N/A	(HP) LoadRunner			Infrastructure
			9.1 Hewlett-Packard	At Risk	Non Evennet	PBGC - IT
191	Testing and	N/A	(HP) LoadRunner	AL KISK	Non-Exempt	Infrastructure
191	Validation	N/A	9.5			iiiiastiucture
			Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
192	Testing and	N/A	(HP) Quality			Infrastructure
	Validation	•	Center 9.1			
	Tooking and		Hewlett-Packard	Current	Conditional	PBGC - IT
193	Testing and Validation	N/A	(HP) QuickTest Pro			Infrastructure
	validation		11			
	Testing and		Hewlett-Packard	Current	Conditional	PBGC - IT
194	Validation	N/A	(HP) QuickTest			Infrastructure
			Professional 9			
405	Testing and		Hewlett-Packard	At Risk	Non-Exempt	PBGC - IT
195	Validation	N/A	(HP) QuickTest Professional 9			Infrastructure
	Testing and		Inspyder Insite 3.2	At Risk	Non-Exempt	PBGC - IT
196	Validation	N/A	inspyder insite 3.2	AL NISK	Non-Exempt	Infrastructure
	Testing and		JUnit 4	Current	Conditional	PBGC - IT
197	Validation	N/A			Contantional	Infrastructure
	Testing and		NUnit 2.47	At Risk	Non-Exempt	PBGC - IT
198	Validation	N/A			·	Infrastructure
199	Testing and	N/A	Parasoft SOAtest	At Risk	Non-Exempt	PBGC - IT
199	Validation	N/A				Infrastructure
200	Testing and	N/A	SmartBear soapUI	At Risk	Non-Exempt	PBGC - IT
200	Validation	14/ <i>C</i>	4			Infrastructure
201	Testing and	N/A	Soft Logica WAPT	At Risk	Non-Exempt	PBGC - IT
	Validation	,	8			Infrastructure
202	Testing and	N/A	Synergex PVCS	At Risk	Non-Exempt	PBGC - IT
	Validation		Tracker 8	At Divi	No. 5	Infrastructure
203	Testing and	N/A	Synergex PVCS	At Risk	Non-Exempt	PBGC - IT
	Validation		Tracker 8.1			Infrastructure



Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
204	Testing and	N/A	Synergex Serena	At Risk	Non-Exempt	PBGC - IT
204	Validation	IN/A	Team Track 6.6			Infrastructure
205	Testing and	N/A	Wordtracker	At Risk	Non-Exempt	PBGC - IT
203	Validation		Keywords			Infrastructure
206	Testing and	NI/A	Wordtracker Link	At Risk	Non-Exempt	PBGC - IT
200	Validation	N/A	Builder			Infrastructure
207	Testing and	N1/A	Xenu 1.3	At Risk	Non-Exempt	PBGC - IT
207	Validation	N/A				Infrastructure

## 5.9 Enterprise-wide Services & Technologies

Enterprise-wide Services and Technologies provide capabilities to the entire enterprise and are not specific to any particular business function. They form a business-agnostic technology layer on top of the foundational infrastructure services provided by the technologies of the Servers and Storage categories. Business solutions embed, use or integrate with the Enterprise-wide services and technologies to save implementation and operational costs, standardize user experience, development, and maintenance efforts among a set of the business solutions.

Ref			Technology /		Update	
ID	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
טו			Product		Indicator	
	Application		Adobe ColdFusion	Current	Conditional	PBGC - IT
1	Server	N/A	8			Infrastructure
1	Framework	N/A				
	software					
	Application		Adobe ColdFusion	Recommended	Conditional	PBGC - IT
2	Server	N/A	9			Infrastructure
	Framework					
	software					
	Application	N/A	Apache Ant 1.6	Current	Conditional	PBGC - IT
3	Server					Infrastructure
3	Framework	N/A				
	software					
	Application		JBOSS 4.2.3	At Risk	Conditional	PBGC -
4	Server	NI/A				Participant
4	Framework	N/A				Services (Benefit
	software					Administration)
5	Application	N/A	JBOSS Application	Restricted	Non-Exempt	PBGC -
J	Server	IV/A	Server			Participant



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<i>o ,</i>	3 ,	Product		Indicator	
	Framework					Services (Benefit
	software					Administration)
	Application		Lahey FORTRAN	At Risk	Conditional	IPVFB
6	Server	N/A	compiler LF95			
U	Framework	IN/A				
	software					
	Application		Microsoft .Net	At Risk	Non-Exempt	PBGC - IT
7	Server	N/A	Framework 1.0			Infrastructure
'	Framework					
	software					
	Application		Microsoft .Net	At Risk	Non-Exempt	PBGC - IT
8	Server	N/A	Framework 1.1			Infrastructure
0	Framework	19/5				
	software					
	Application	N/A	Microsoft .Net	At Risk	Non-Exempt	PBGC - IT
9	Server		Framework 2.0 SP2			Infrastructure
	Framework	14,71				
	software					
	Application	N/A	Microsoft .NET	At Risk	Conditional	PBGC - IT
10	Server		Framework 3.5 SP1			Infrastructure
10	Framework	.,,,,				
	software					
	Application		Microsoft .NET	Current	Conditional	PBGC - IT
11	Server	N/A	Framework 4.0			Infrastructure
	Framework	,				
	software					
	Application		Microsoft Visual	At Risk	Non-Exempt	PBGC - IT
12	Server	N/A	Basic Runtime 5.0			Infrastructure
	Framework	,				
	software					
	Application		Microsoft Visual	At Risk	Non-Exempt	PBGC - IT
13	Server	N/A	Basic Runtime 6.0			Infrastructure
	Framework					
	software		NAI CLASS	Comment	No. 5	
	Application		Microsoft Visual	Current	Non-Exempt	
14	Server	N/A	C++			
	Framework					
	software		Overale Av. II. II	At Dist.	Consider	DDCC IT
	Application	A. / A	Oracle Application	At Risk	Conditional	PBGC - IT
15	Server	N/A	Server 10.1			Infrastructure
	Framework					



Ref	Category	Sub Category	Technology / Protocol /	Grade	Update Sensitivity	Owner
ID	cutege. y	out category	Product	C.uuc	Indicator	o iiiici
	software					
	Application		Oracle Application	At Risk	Non-Exempt	PBGC - IT
16	Server	N/A	Server 10.2			Infrastructure
10	Framework	N/A				
	software					
	Application		Oracle Forms &	At Risk	Non-Exempt	PBGC - IT
17	Server	N/A	Reports 10g			Infrastructure
1,	Framework					
	software					
	Application		Oracle Java 2	Current	Conditional	PBGC - IT
18	Server	N/A	Enterprise Edition			Infrastructure
	Framework		(J2EE) 1.5			
	software					
19	Application	N/A	Oracle Java 2	Current	Conditional	PBGC - IT
	Server		Standard Edition			Infrastructure
	Framework	•	(J2SE) 1.5			
	software					
	Application	N/A	Oracle Java	At Risk	Conditional	PBGC - IT
20	Server		Runtime			Infrastructure
	Framework		Environment (JRE)			
	software		1.6	AL D' I		DDCC IT
	Application		Oracle Jinitiator	At Risk	Non-Exempt	PBGC - IT
21	Server	N/A	1.3.1			Infrastructure
	Framework software					
			Oracla Wahl agis	Current	Evenent	PBGC - IT
	Application Server		Oracle WebLogic Server 11g	Current	Exempt	Infrastructure
22	Framework	N/A	Enterprise Edition			iiiiastructure
	software		Litter prise Edition			
	Application		SAS Product Suite	Current	Conditional	
	Server		9.3	Carrent	Contactional	
23	Framework	N/A	3.3			
	software					
	Application		SAS Product Suite	Recommended	Conditional	
	Server		9.4	3.1.2.2		
24	Framework	N/A				
	software					
	Application		Spring Source	Current	Conditional	PBGC - IT
	Server		Spring Framework			Infrastructure
25	Framework	N/A	2.5			
	software					



D. (			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
26	Application Server Framework software	N/A	Sybase PowerBuilder Runtime 10	At Risk	Non-Exempt	PBGC - IT Infrastructure
27	Batch Processing	N/A	Spring Source Spring Batch 2.0	Current	Conditional	
28	Business Process and Workflow	N/A	International Business Machines (IBM) FileNet BPM 4.5	Current	Conditional	PBGC - Participant Services (Benefit Administration)
29	Business Process and Workflow	N/A	International Business Machines (IBM) FileNet BPM 5.1	Recommended	Conditional	PBGC - Participant Services (Benefit Administration)
30	Business Process and Workflow	N/A	International Business Machines (IBM) FileNet P8 4.5.0	At Risk	Non-Exempt	PBGC - Participant Services (Benefit Administration)
31	Business Process and Workflow	N/A	International Business Machines (IBM) FileNet P8 Process Engine	Restricted	Non-Exempt	PBGC - Participant Services (Benefit Administration)
32	Business Process and Workflow	N/A	Minitab 16	Current	Conditional	PBGC - Participant Services (Benefit Administration)
33	Business Process and Workflow	N/A	Network Automation AutoMate 7	At Risk	Conditional	PBGC - IT Infrastructure
34	Business Process and Workflow	N/A	Oracle Business Process Execution Language (BPEL) 10g	At Risk	Conditional	PBGC - IT Infrastructure
35	Business Process and Workflow	N/A	Oracle Workflow Builder 2.6	Current	Conditional	PBGC - IT Infrastructure
36	Content Management System	N/A	Author-IT Software Corporation Aspect 5.5	Current	Conditional	PBGC - Participant Services (Benefit Administration)
37	Content Management	N/A	Ingeniux Ingeniux 8	Recommended	Conditional	Corporate Communications



_			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	0,	<b>,</b>	Product		Indicator	
	System					(PBGC.gov &
	,					Web-based
						resources)
	Content		Oracle WebCenter	Recommended	Conditional	
38	Management	N/A	Content Core			
	System		Capabilities 11g			
	Converged User		Ingeniux Ingeniux	Current	Conditional	Corporate
	Experience Web		7			Communications
39	Content	N/A				(PBGC.gov &
	Deployment					Web-based
						resources)
	Converged User		Oracle WebCenter	Current	Exempt	PBGC -
40	Experience Web	N/A	Suite 11g			Participant
	Content	,				Services (Benefit
	Deployment					Administration)
41	Correspondence	N/A	Work Dynamics	At Risk	Conditional	
	Management		ccmMercury 4.0			
42	Correspondence	N/A	Work Dynamics	Current	Conditional	
	Management		ccmMercury 5.3.1 Trillium 7.13	Recommended	Canditional	PBGC - IT
43	Data Quality	N/A	Trillium 7.13	Recommended	Conditional	Infrastructure
			Trillium Director	Recommended	Conditional	Address
44	Data Quality	N/A	13	Recommended	Conditional	Validation System
			Trillium Director	Restricted	Conditional	Address
45	Data Quality	N/A	7.11	Restricted	Conditional	Validation System
			Trillium Quality 13	Recommended	Conditional	Address
46	Data Quality	N/A				Validation System
			Trillium Quality 6	At Risk	Non-Exempt	Address
47	Data Quality	N/A			·	Validation System
			Oracle Application	At Risk	Non-Exempt	PBGC - IT
48	DB driven Web	N/A	Express (APEX)		·	Infrastructure
	Apps		2.1.0.2			
	DD alaisses 144 a la		Oracle Application	At Risk	Non-Exempt	PBGC - IT
49	DB driven Web	N/A	Express (APEX)			Infrastructure
	Apps		3.0.1			
50	DB driven Web	N/A	Oracle Application	At Risk	Conditional	PBGC - IT
	Apps	IN/A	Express (APEX) 4.0			Infrastructure
51	DB driven Web	N/A	Oracle Application	Current	Conditional	PBGC - IT
	Apps	14/ 🗅	Express (APEX) 4.1			Infrastructure
52	Directory Services	N/A	Lightweight	Current	Conditional	PBGC - IT
	= cc.o. ; cc. vices		Directory Access			Infrastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product	0.000	Indicator	C IIIICI
			Protocol (LDAP)/LDAP over SSL (LDAPS)		maicator	
53	Directory Services	N/A	Microsoft Active Directory 2003	At Risk	Non-Exempt	PBGC - IT Infrastructure
54	Directory Services	N/A	Microsoft Active Directory 2008 R2	At Risk	Non-Exempt	PBGC - IT Infrastructure
55	Directory Services	N/A	Oracle Internet Directory 10g	At Risk	Non-Exempt	PBGC - IT Infrastructure
56	Directory Services	N/A	Oracle Internet Directory 11g	Current	Non-Exempt	PBGC - IT Infrastructure
57	Document Management	N/A	InMagic DB/Text Works 11	At Risk	Non-Exempt	PBGC - IT Infrastructure
58	Document Management	N/A	International Business Machines (IBM) FileNet 4.5	Recommended	Conditional	PBGC - Participant Services (Benefit Administration)
59	Document Management	N/A	International Business Machines (IBM) FileNet Capture 5.2	Current	Conditional	PBGC - Participant Services (Benefit Administration)
60	Document Management	N/A	Open Text Corporation Docs Open 4.0	Current	Conditional	OGC Legal Technologies
61	Document Management	N/A	Oracle WebCenter Interaction 11g	Current	Conditional	PBGC - Participant Services (Benefit Administration)
62	Document Management	N/A	Oracle WebCenter Interaction Collaboration Server 4.2	Current	Conditional	PBGC - Participant Services (Benefit Administration)
63	Document Management	N/A	Plumtree Portal 6.1	At Risk	Conditional	PBGC - IT Infrastructure
64	Document Management	N/A	Plumtree Portal 7.5.1	Current	Conditional	PBGC - IT Infrastructure
65	Electronic Forms	N/A	Adobe LiveCycle Designer 9	Recommended	Conditional	PBGC - IT Infrastructure
66	Electronic Forms	N/A	JetForms	At Risk	Non-Exempt	PBGC - IT Infrastructure
67	ESB	N/A	Oracle Enterprise	Current	Conditional	PBGC - IT



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			Service Bus 10g			Infrastructure
68	ESB	N/A	Oracle Service Bus	Recommended	Conditional	PBGC - IT
08	ESB	N/A	11g			Infrastructure
			Oracle Enterprise	Recommended	Conditional	PBGC - Benefit
69	ETL	N/A	Data Quality 11g			Calculation and
						Valuation
70	ETL	N/A	Oracle Warehouse	At Risk	Conditional	PBGC - IT
			Builder 10g			Infrastructure
			Pervasive Data	At Risk	Non-Exempt	PBGC - Benefit
71	ETL	N/A	Integrator 8.14			Calculation and
						Valuation
			International	Current	Conditional	PBGC -
72	Full text search	N/A	Business Machines			Participant
			(IBM) FileNet CE			Services (Benefit
			4.5			Administration)
73	Full text search	N/A	ISYS Search	At Risk	Non-Exempt	OGC Legal
			Software 8.0	At Dist.	Non Europe	Technologies
74	Full text search	N/A	Visioneer	At Risk	Non-Exempt	
	Hosted Services		PaperPort 6.0 Microsoft	Recommended	Non-Exempt	PBGC - IT
	infrastructure		SharePoint 2010	Recommended	Non-Exempt	Infrastructure
75	services hosted	N/A	Cloud			iiiiastiucture
/5	by external	IV/A	Cloud			
	entities					
	0.110.00		Daeja Image	At Risk	Non-Exempt	
76	Imaging	N/A	Systems ViewOne			
			Applet			
			Daeja Image	Recommended	Conditional	
77	Imaging	N/A	Systems ViewOne			
			Professional			
78	Imaging	N/A	Informatik	Current	Conditional	
/8	Imaging	N/A	TiffDLL80 8.2			
79	Imaging	N/A	Visioneer	At Risk	Non-Exempt	
19	iiiagiiig	IV/A	PaperPort 6.0			
80	Integration	N/A	Dataguise	Recommended	Conditional	PBGC - IT
		,//	DgDiscover 4.1			Infrastructure
81	Integration	N/A	Dataguise	Recommended	Conditional	PBGC - IT
		,	DgMasker 4.1			Infrastructure
			Interactive Data	Current	Conditional	
82	Integration	N/A	Corporation (IDC)			
			RemotePlus 3.0a			



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	,	,	Product		Indicator	
			Oracle Business	At Risk	Non-Exempt	PBGC - IT
			Process Execution			Infrastructure
83	Integration	N/A	Language (BPEL)			
			10g			
			Oracle Business	Recommended	Non-Exempt	PBGC - IT
84	lata avati a a	N1 / A	Process Execution			Infrastructure
84	Integration	N/A	Language (BPEL)			
			11g			
85	Integration	N/A	Oracle Data	Recommended	Conditional	PBGC - IT
65	integration	N/A	Integrator 11g			Infrastructure
86	Integration	N/A	Oracle Data	Recommended	Conditional	PBGC - IT
80	integration	N/A	Service Integrator			Infrastructure
			Oracle Java	Current	Conditional	PBGC - IT
87	Integration	N/A	Connector			Infrastructure
0,	megration	.,,,,	Architecture (JCA)			
			1.5			
88	Integration	N/A	Oracle Warehouse	At Risk	Conditional	PBGC - IT
		,	Builder 10g			Infrastructure
		1-	Pervasive Data	At Risk	Non-Exempt	PBGC - Benefit
89	Integration	N/A	Integrator 8.14			Calculation and
					0 1	Valuation
90	Job Scheduling	N/A	Quartz 1.6.5	Current	Conditional	
	and Execution		Author-IT Software	A+ Diele	Non Evenent	PBGC -
	Knowledge			At Risk	Non-Exempt	
91	•	N/A	Corporation 4.5			Participant Services (Benefit
	Management					Administration)
	Knowledge		InMagic DB/Text	At Risk	Non-Exempt	PBGC - IT
92	Management	N/A	Works 11	ACNISK	Non-Exempt	Infrastructure
	Knowledge		Microsoft	At Risk	Conditional	PBGC - IT
93	Management	N/A	SharePoint 2007	7 te rusk	Contactional	Infrastructure
			Microsoft	Recommended	Conditional	PBGC - IT
94	Knowledge	N/A	SharePoint 2010			Infrastructure
	Management	,	Cloud			
0-	Knowledge	A1.1-	Microsoft	Current	Conditional	PBGC - IT
95	Management	N/A	SharePoint 2010			Infrastructure
			Oracle WebCenter	Current	Conditional	PBGC -
0.0	Knowledge	N1 / A	Interaction 11g			Participant
96	Management	N/A				Services (Benefit
						Administration)
97	Knowledge	N/A	Oracle WebCenter	Current	Conditional	PBGC -



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID		,	Product		Indicator	
	Management		Interaction			Participant
	J		Collaboration			Services (Benefit
			Server 4.2			Administration)
			Thunderhead	Recommended	Conditional	PBGC -
00	Letter Generation	NI/A	NOW 5.1			Participant
98	Letter Generation	N/A				Services (Benefit
						Administration)
			Informatica	Recommended	Conditional	
	Master Data		Multidomain			
99	Management	N/A	Master Data			
	Wanagement		Management			
			(MDM) hub			
			Adlib Express	Current	Conditional	PBGC - IT
100	OCR	N/A	Conversion &			Infrastructure
			Recognition Server			
			International	Recommended	Conditional	PBGC -
101	OCR	N/A	Business Machines			Participant
		. 4	(IBM) FileNet 4.5			Services (Benefit
						Administration)
			International	Current	Conditional	
400	0.00		Business Machines			
102	OCR	N/A	(IBM) FileNet			
			Image Services			
			4.1.2	A+ Diele	Non Everent	
103	OCR	N/A	Visioneer	At Risk	Non-Exempt	
	Oracle		PaperPort 6.0  Oracle eBusiness	At Risk	Non Evennt	PBGC - IT
104		N/A	Suite 11i	AL KISK	Non-Exempt	Infrastructure
104	Applications Platform	N/A	Suite III			iiiiastiucture
	Oracle		Oracle eBusiness	Current	Conditional	PBGC - IT
105	Applications	N/A	Suite 12.1.2	Current	Conditional	Infrastructure
103	Platform	N/A	Suite 12.1.2			imastracture
	Oracle		Oracle eBusiness	Recommended	Conditional	PBGC - IT
106	Applications	N/A	Suite 12.1.3	1.000criaca	20	Infrastructure
	Platform	,				
	Payment	_	Treasury Payments	Recommended	Conditional	PBGC - IT
107	Disbursement	N/A	, , , , , , ,			Infrastructure
			Bloomberg	Current	Exempt	PBGC - IT
108	Reporting and	N/A	Professional			Infrastructure
	Analytics		Service			
109	Reporting and	N/A	CACI FedSelect 4.1	Current	Conditional	Procurement
		•	l .	1	1	l



Ref			Technology /		Update	
ID	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
	Analytics		Product		Indicator	Management
	Analytics					Program
110	Reporting and Analytics	N/A	Computer Associates International Inc. Cleverpath Forest and Trees 7.11	Current	Conditional	Trog.um
111	Reporting and Analytics	N/A	Concentric Data Systems R&R Report Writer 6.5	At Risk	Non-Exempt	
112	Reporting and Analytics	N/A	DataDynamics ActiveReports 3	Restricted	Conditional	
113	Reporting and Analytics	N/A	DataDynamics ActiveReports Designer 3	Restricted	Conditional	
114	Reporting and Analytics	N/A	International Business Machines (IBM) Cognos 8.4.1	Current	Conditional	PBGC - IT Infrastructure
115	Reporting and Analytics	N/A	Microsoft SharePoint 2010	Current	Non-Exempt	PBGC - IT Infrastructure
116	Reporting and Analytics	N/A	Microsoft SQL Server 2008 R2 Reporting Services (SSRS)	Recommended	Part of Another Product	PBGC - IT Infrastructure
117	Reporting and Analytics	N/A	Microsoft SQL Server 2008 Reporting Services (SSRS)	Current	Part of Another Product	PBGC - IT Infrastructure
118	Reporting and Analytics	N/A	Oracle Reports 9i	At Risk	Non-Exempt	
119	Reporting and Analytics	N/A	S&P Capital IQ Compustat Research Insight 8.4	Current	Exempt	Economic Modeling (PIMS)
120	Reporting and Analytics	N/A	SAP Business Objects Crystal Enterprise product suite 10	At Risk	Conditional	
121	Reporting and Analytics	N/A	SAP Business Objects Crystal Enterprise product	At Risk	Conditional	



<b>-</b> (			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			suite 8			
	Dan antina and		SAP Business	At Risk	Non-Exempt	
122	Reporting and	N/A	Objects Crystal			
	Analytics		Reports Pro 10			
	Danantina and		SAP Business	At Risk	Non-Exempt	
123	Reporting and	N/A	Objects Crystal			
	Analytics		Reports Pro 11			
	Donarting and		SAP Business	At Risk	Non-Exempt	
124	Reporting and	N/A	Objects Crystal			
	Analytics		Reports Pro 8			
	Reporting and		SAP Business	At Risk	Non-Exempt	
125	Analytics	N/A	Objects Crystal			
	Allalytics		Reports Pro 8.5			
			Oracle WebCenter	Current	Conditional	PBGC -
126	Secure Online	N/A	11g			Participant
120	Portal	N/A				Services (Benefit
						Administration)
			International	Current	Conditional	PBGC -
127	Single Sign on	N/A	Business Machines			Participant
127	Siligle Sign on	N/A	(IBM) FileNet 4.5			Services (Benefit
						Administration)
128	Transaction	N/A	Microsoft COM+	At Risk	Non-Exempt	PBGC - IT
120	Monitor	14/74				Infrastructure
			Microsoft	At Risk	Non-Exempt	PBGC - IT
129	Transaction	N/A	Distributed			Infrastructure
123	Monitor	14/7.	Transaction			
			Coordinator (DTC)			
	Transaction		Oracle Java	Current	Conditional	PBGC - IT
130	Monitor	N/A	Transaction API			Infrastructure
			(JTA) 1.1			
			Spring Source	Current	Conditional	
131	Transaction	N/A	Spring Framework			
	Monitor	•	Transactional			
			Integrity			
132	Warehousing	N/A	Oracle Warehouse	At Risk	Conditional	PBGC - IT
		· · · · · · · · · · · · · · · · · · ·	Builder 10g			Infrastructure
400		A1 / 2	Pervasive Data	At Risk	Non-Exempt	PBGC - Benefit
133	Warehousing	N/A	Integrator 8.14			Calculation and
						Valuation



## 5.10 Storage

Storage includes specialized hardware and software products, internal communication mechanisms, standards and protocols used for permanent storage of and access to raw data as well as for storage system management, maintenance, backup and assurance of the high availability levels of the data stored.

\* This section is subject to review as part of the sourcing assessment.

Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
1	Backup	Disk Library	Exagrid Deduplication Solution 4.1.2.784.P22	Current	Exempt	PBGC - IT Infrastructure
2	Backup	Software	Quest Recovery Manager for Active Directory 8.0.1	Current	Exempt	PBGC - IT Infrastructure
3	Backup	Software	Symantec Net Backup 7.1	Current	Exempt	PBGC - IT Infrastructure
4	Backup	Software	Symantec Net Backup 7.5.x	Current	Exempt	PBGC - IT Infrastructure
5	Backup	Tape Drives	Quantum Tape Drive LTO5	Current	Exempt	PBGC - IT Infrastructure
6	Backup	Tape Drives	Tape Drive DLT 8000	At Risk	Exempt	PBGC - IT Infrastructure
7	Backup	Tape Drives	Tape Drive LTO4	At Risk	Exempt	PBGC - IT Infrastructure
8	Backup	Tape Drives	Tape Drive SDLT1	At Risk	Exempt	PBGC - IT Infrastructure
9	Backup	Tape Drives	Tape Drive SDLT2	At Risk	Exempt	PBGC - IT Infrastructure
10	Backup	Tape Library	Hewlett-Packard (HP) Storageworks Tape Library MSL6060	Current	Exempt	PBGC - IT Infrastructure
11	Backup	Tape Library	International Business Machines (IBM) System Storage Tape Library TS3100	Current	Exempt	PBGC - IT Infrastructure
12	Backup	Tape Library	International Business Machines	Current	Exempt	PBGC - IT Infrastructure



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<i>,</i>	0 /	Product		Indicator	
			(IBM) System			
			Storage Tape			
			Library TS3310			
12	Da aliina	T 1 15	Oracle StorageTEK	At Risk	Exempt	PBGC - IT
13	Backup	Tape Library	L180			Infrastructure
1.4	Packup	Tanalihran	Quantum Tape	At Risk	Exempt	PBGC - IT
14	Backup	Tape Library	Library M2500			Infrastructure
15	Backup	Tape Library	Quantum Tape	Current	Exempt	PBGC - IT
13	Баскир	Tape Library	Library PX506			Infrastructure
16	Data Retention	N/A	Symantec Net	Current	Exempt	PBGC - IT
10	Data Neterition	N/A	Backup 7.1			Infrastructure
17	File Systems	N/A	Common Internet	Current	Exempt	PBGC - IT
		147.	File System (CIFS)			Infrastructure
18	File Systems	N/A	File Allocation	At Risk	Exempt	PBGC - IT
10	The Systems	1471	Table 32 (FAT32)			Infrastructure
19	File Systems	N/A	NFS	Current	Exempt	PBGC - IT
		,				Infrastructure
20	File Systems	N/A	NTFS	Current	Exempt	PBGC - IT
		,				Infrastructure
21	File Systems	N/A	VFS	Current	Exempt	PBGC - IT
	-					Infrastructure
22	File Systems	N/A	VMFS	Current	Exempt	PBGC - IT
			CAN C II II		21/2	Infrastructure
		Connection Speed	SAN Connectivity Ethernet Fiber	Recommended	N/A	PBGC - IT Infrastructure
23	SAN Connectivity	Connection Speed, Standards	Channel Over			inirastructure
		Standards	Ethernet (FCOE)			
		Connection Speed,	SAN Connectivity	At Risk	N/A	PBGC - IT
24	SAN Connectivity	Standards	Fiber 1GB	ACNISK	IN/A	Infrastructure
		Connection Speed,	SAN Connectivity	At Risk	N/A	PBGC - IT
25	SAN Connectivity	Standards	Fiber 2GB	7 te rusk	1,7,7	Infrastructure
		Connection Speed,	SAN Connectivity	Current	N/A	PBGC - IT
26	SAN Connectivity	Standards	Fiber 4GB		7	Infrastructure
		Connection Speed,	SAN Connectivity	Current	N/A	PBGC - IT
27	SAN Connectivity	Standards	Fiber 8GB		,	Infrastructure
20	CAN C		eMulex Host Bus	Current	Exempt	PBGC - IT
28	SAN Connectivity	HBA	Adapter (HBA)			Infrastructure
			Hewlett-Packard	Current	Exempt	PBGC - IT
20	CAN Connectivity	ПБ 4	(HP) Flex Fabric			Infrastructure
29	SAN Connectivity	НВА	Adapter (built-in			
			on G7 Blades)			



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
20			Qlogic Host Bus	Current	Exempt	PBGC - IT
30	SAN Connectivity	HBA	Adapter (HBA)		-	Infrastructure
24	Characa III M C M	A + 4	Direct-attached	Current	N/A	PBGC - IT
31	Storage H W S W	Attached	SAS			Infrastructure
32	Storage H W S W	Attached	Direct-attached	Current	N/A	PBGC - IT
32	Storage II W 5 W	Attacheu	SATA			Infrastructure
33	Storage H W S W	Attached	Direct-attached	Current	N/A	PBGC - IT
	Storage II W 5 W	Attachea	SCSI			Infrastructure
			Redundant Array	Current	N/A	PBGC - IT
34	Storage H W S W	Attached	of Independent			Infrastructure
	oto. ago o	7 100001100	Disks (RAID) 1			
			(Attached)			
			Redundant Array	Current	N/A	PBGC - IT
35	Storage H W S W	Attached	of Independent			Infrastructure
			Disks (RAID) 5			
			(Attached)			
			Redundant Array	Current	N/A	PBGC - IT
36	Storage H W S W	Attached	of Independent			Infrastructure
	S		Disks (RAID) 6			
			(Attached)			
			Hewlett-Packard	At Risk	Conditional	PBGC - IT
37	Storage H W S W	Direct-attached	(HP) StorageWorks			Infrastructure
	_		Modular Smart			
			Array (MSA) 60	At Dist.	C	DDCC IT
			Hewlett-Packard	At Risk	Conditional	PBGC - IT
38	Storage H W S W	Direct-attached	(HP) StorageWorks Modular Smart			Infrastructure
			Array (MSA) 70			
			Redundant Array	Current	N/A	PBGC - IT
			of Independent	Current	IN/A	Infrastructure
39	Storage H W S W	Direct-attached	Disks (RAID) 5			iiiiastiucture
			(Direct-Attached)			
			Redundant Array	Current	N/A	PBGC - IT
			of Independent	Current	14/7	Infrastructure
40	Storage H W S W	Direct-attached	Disks (RAID) 6			astractare
			(Direct-Attached)			
			Hewlett-Packard	Current	Exempt	PBGC - IT
41	Storage H W S W	Management and	(HP) Storage			Infrastructure
	J	Support Software	Essentials 9.5			
		Management and	Hewlett-Packard	Recommended	Exempt	PBGC - IT
42	Storage H W S W	Support Software	(HP) Storage			Infrastructure



Def			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			Essentials 9.5			
42	Characa IIIM C M	Management and	Hitachi Device	Current	Exempt	PBGC - IT
43	Storage H W S W	Support Software	Manager 6.3.0			Infrastructure
		Managamentand	Hitachi	Current	Exempt	PBGC - IT
44	Storage H W S W	Management and Support Software	HiCommand 1-23-			Infrastructure
		Support Software	03-08			
45	Storago H M S M	Management and	Hitachi Hi-Track	Current	Exempt	PBGC - IT
45	Storage H W S W	Support Software	Manager 5.3			Infrastructure
46	Storage H W S W	Management and	Hitachi Storage	Current	Exempt	PBGC - IT
40	Storage II W 3 W	Support Software	Navigator 8.3.0a			Infrastructure
47	Storage H W S W	Storage Area	Brocade 300 FC	Current	Exempt	PBGC - IT
47	Storage H W 3 W	Network Switches	Switch			Infrastructure
48	Storage H W S W	Storage Area	Brocade 4100 FC	Current	Exempt	PBGC - IT
40	Storage II W 3 W	Network Switches	Switch			Infrastructure
49	Storage H W S W	Storage Area	Brocade 5100 FC	Current	Exempt	PBGC - IT
43	Storage II W 5 W	Network Switches	Switch			Infrastructure
50	Storage H W S W	Storage Area	Brocade 7500E FC	Current	Exempt	PBGC - IT
50	Storage II W 5 W	Network Switches	Switch			Infrastructure
51	Storage H W S W	Storage Area	Brocade DCX-S FC	Current	Exempt	PBGC - IT
31	Storage II W 5 W	Network Switches	Switch			Infrastructure
		Storage Area	Hitachi Adaptable	At Risk	Conditional	PBGC - IT
52	Storage H W S W	Network Switches	Modular Storage			Infrastructure
		Network Switches	(AMS) 1000			
		Storage Area	Hitachi Adaptable	Current	Conditional	PBGC - IT
53	Storage H W S W	Network Switches	Modular Storage			Infrastructure
		rectwork switches	(AMS) 2500			
		Storage Area	Hitachi Unified	Current	Conditional	PBGC - IT
54	Storage H W S W	Network Switches	Storage (HUS) 100			Infrastructure
			series (150)			
55	Storage H W S W	Storage Area	Hitachi Unified	Current	Conditional	PBGC - IT
	200100011 11 2 11	Network Switches	Storage (VM)			Infrastructure

## **5.11 Telephony**

Telephony covers all hardware appliances and equipment, communication channels, software, protocols and tools used for point-to-point, conference and broadcast voice, and video content exchange in real time. Telephony category also includes solutions for delivery of voice and video content to message boxes and provision of access to the content at a later time.



			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID	<b>.</b>	0 ,	Product		Indicator	
_			ISDN BRI	Current	Exempt	PBGC - IT
1	Physical Circuits	N/A				Infrastructure
_	Dhysical Circuits	N1 / A	ISDN PRI	Current	Exempt	PBGC - IT
2	Physical Circuits	N/A				Infrastructure
3	Physical Circuits	N/A	T1	Current	Exempt	PBGC - IT
	Thysical circuits	NA				Infrastructure
4	Video	N/A	Cisco IP Video	Current	Conditional	PBGC - IT
	Teleconferencing	.,,	Phone E20			Infrastructure
5	Video	N/A	Microsoft Lync	Recommended	Conditional	PBGC - IT
	Teleconferencing		v2013			Infrastructure
6	Video Teleconferencing	N/A	PolyCom RMX Bridge 2000	Current	Exempt	PBGC - IT Infrastructure
	Video		PolyCom RMX	Current	Exempt	PBGC - IT
7	Teleconferencing	N/A	Bridge 4000	Current	Exempt	Infrastructure
	<u>-</u>		Vbrick Video	Recommended	Conditional	PBGC - IT
8	Video	N/A	Management	necommended	Contactional	Infrastructure
	Teleconferencing	,	System			
		4.00 /00/	NEC SV8300 Rev.	Recommended	Exempt	PBGC - IT
9	Voice Local PBX	ACD/PBX	L2			Infrastructure
10	Voice Local PBX	ACD/PBX	NEC SV8500 Rev.	Current	Conditional	PBGC - IT
10	VOICE LOCAL PBX	ACD/PBX	S3			Infrastructure
11	Voice Local PBX	ACD/PBX	NEC UM8700 Rev	Recommended	Conditional	PBGC - IT
	Voice Local I BX	ACDITOR	3.5.0.347			Infrastructure
12	Voice Local PBX	Client Software	NEC GNAV Pro	Recommended	Exempt	PBGC - IT
			Client 7.0			Infrastructure
13	Voice Local PBX	Client Software	NEC QWorX	Current	Exempt	PBGC - IT
			Report Runner 5.1			Infrastructure
14	Voice Local PBX	Client Software	NEC SV8500 PRO	Current	Exempt	PBGC - IT Infrastructure
		Interactive Voice	Nortel MPS 500	Current	Exempt	PBGC - IT
15	Voice Local PBX	Reponse	Norter Wil 3 300	Current	Exempt	Infrastructure
			NEC Dterm Series	At Risk	Exempt	PBGC - IT
16	Voice Local PBX	Phone Sets	E			Infrastructure
		DI C	NEC Dterm Series I	Current	Exempt	PBGC - IT
17	Voice Local PBX	Phone Sets				Infrastructure
			@Comm	Current	Exempt	PBGC - IT
18	Voice Local PBX	Server Software	Corporation			Infrastructure
10	VUICE LUCAI PDA	Server Surtware	CommView			
			2.0.2.5c			
19	Voice Local PBX	Server Software	NEC GNAV Pro 6.1	At Risk	Exempt	PBGC - IT
		, , , , , , , , , , , , , , , , , , , ,				Infrastructure



Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
20	Voice Local PBX	Server Software	NEC GNAV Pro 7.0	At Risk	Exempt	PBGC - IT Infrastructure
21	Voice Local PBX	Server Software	NEC QWorX 5.1	Current	Exempt	PBGC - IT Infrastructure
22	Voice Local PBX	Server Software	NEC GNAV Pro 8	Current	Exempt	PBGC - IT Infrastructure
23	Voice Mail	N/A	DialLogic Media Board D/240JCT-T- 1	At Risk	Conditional	PBGC - IT Infrastructure
24	VoIP	Protocols	MPLS	Current	Exempt	PBGC - IT Infrastructure
25	VoIP	Switches	Cisco workgroup switches 37xx (3750)	Current	Exempt	PBGC - IT Infrastructure

## 5.12 IT Facilities

IT Facilities describe specialized equipment, hardware, software and protocols, which ensure a proper physical operating environment and houses the server and communications devices in data centers, server rooms and communication closets. The IT Facilities equipment maintains power, temperature, and humidity within the acceptable range and triggers automatic shutdown of the housed server and communications devices when the proper physical operating environment cannot be maintained.

Security of the IT Facilities is covered by the physical access subcategory of the Security category.

<sup>\*</sup> This is subject to removal due to the sourcing assessment review.

Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
			Emerson Network	Current	Exempt	PBGC - IT
1	A C	N/A	Power Liebert AC			Infrastructure
			FH116GUASM			
			Emerson Network	Current	Exempt	PBGC - IT
2	A C	N/A	Power Liebert AC			Infrastructure
			FH127WUA10			
			Emerson Network	At Risk	Exempt	PBGC - IT
3	A C	N/A	Power Liebert AC			Infrastructure
			FH315W-A00			
4	A C	N/A	Emerson Network	Current	Exempt	PBGC - IT



Def			Technology /		Update	
Ref	Category	Sub Category	Protocol /	Grade	Sensitivity	Owner
ID			Product		Indicator	
			Power Liebert AC			Infrastructure
			FH315W-AAGS			
5	Fire Detection	N/A	Bevan Security	Current	Exempt	PBGC - IT
5	System	N/A	Simplex 4020			Infrastructure
			Honeywell Notifier	Current	Exempt	PBGC - IT
6	Fire Suppression	N/A	Fire Alarm Control			Infrastructure
	System	N/A	Panel (Onyx Series)			
			NFS-320			
	Monitoring		Crestron Xpanel	Current	Exempt	PBGC - IT
7	equipment and	N/A	EXE			Infrastructure
	software					
	Monitoring		Emerson Network	Current	Exempt	PBGC - IT
8	equipment and	N/A	Power Liebert			Infrastructure
	software		SiteScan Web 5.2			
	Monitoring	,	Temperature	Current	Exempt	PBGC - IT
9	equipment and	N/A	Guard			Infrastructure
	software					
10	Power supply and	UPS Equipment	Eaton Powerware	Current	Exempt	PBGC - IT
	backup		Battery 9390			Infrastructure
	Power supply and		Emerson Network	Current	Exempt	PBGC - IT
11	backup	UPS Equipment	Power Liebert UPS			Infrastructure
			610			DDGG IT
12	Power supply and	UPS Equipment	MGE Galaxy PW	Current	Exempt	PBGC - IT
	backup		225 kVa / 200kW MGE MultiSlot	Current	Everent	Infrastructure PBGC - IT
	Power supply and		Communications	Current	Exempt	Infrastructure
13	backup	UPS Equipment	Rack Mount			iiiiiastructure
	раскир		Chassis 66071			
	Power supply and		MGE XML Web	Current	Exempt	PBGC - IT
14	backup	UPS Equipment	Card 66073	Current	Exempt	Infrastructure
	<u> </u>		MGE Linux	Recommended	Exempt	PBGC - IT
15	Power supply and	UPS Software	Shutdown Agent		2.0	Infrastructure
	backup		1.01			
	Power supply and	_	MGE Online	Current	Exempt	PBGC - IT
16	backup	UPS Software	Monitoring			Infrastructure
	<u> </u>		MGE Solaris	Recommended	Exempt	PBGC - IT
17		UPS Software	Shutdown Agent		_	Infrastructure
	backup		1.01			
	Dames averally and		MGE Windows	Current	Exempt	PBGC - IT
18	7 7 7	UPS Software	Shutdown Agent			Infrastructure
	раскир		1.01			
	Power supply and backup  Power supply and backup  Power supply and backup		MGE Online Monitoring MGE Solaris Shutdown Agent 1.01 MGE Windows Shutdown Agent	Recommended	·	Infrastructure PBGC - IT Infrastructure PBGC - IT



Ref ID	Category	Sub Category	Technology / Protocol / Product	Grade	Update Sensitivity Indicator	Owner
19	Pump	N/A	Weinman G160A	Current	Exempt	PBGC - IT Infrastructure
20	Rack LCD Panel	N/A	Hewlett-Packard (HP) KVM Console TFT7600 G2	Current	Exempt	PBGC - IT Infrastructure
21	Rack PDUs	N/A	Hewlett-Packard (HP) 24A High Voltage US/JP Modular PDU (252663-D72)	Current	Exempt	PBGC - IT Infrastructure
22	Rack PDUs	N/A	Hewlett-Packard (HP) 24A HV Core Only Corded PDU (252663-D74)	Current	Exempt	PBGC - IT Infrastructure
23	Racks	N/A	Rack 19"-wide	At Risk	Exempt	PBGC - IT Infrastructure
24	Racks	N/A	Rack 24"-wide	Restricted	Exempt	PBGC - IT Infrastructure
25	Super Charger	N/A	Tranter SuperCharger	Current	Exempt	PBGC - IT Infrastructure