U.S. Department of Commerce U.S. Patent and Trademark Office



Privacy Impact Assessment for the Information Delivery Product (IDP)

Reviewed by: David Chiles, Bureau Chief Privacy Officer (Acting)

✓	Concurrence of Senior A	Igency Official	for Privacy/DOC	Chief Privacy Officer
---	-------------------------	-----------------	-----------------	-----------------------

□ Non-concurrence of Senior Agency Official for Privacy/DOC Chief Privacy Officer



Digitally signed by CATRINA PURVIS DN: c=US, o=U.S. Government, ou=Department of Commerce, ou=Office of the Secretary, cn=CATRINA PURVIS, 0.9.2342,19200300.100.1.1=13001002875743

U.S. Department of Commerce Privacy Impact Assessment USPTO Information Delivery Product (IDP)

Unique Project Identifier: PTOC-003-00

Introduction: System Description

Provide a description of the system that addresses the following elements: The response must be written in plain language and be as comprehensive as necessary to describe the system.

(a) a general description of the information in the system
Information Delivery Product (IDP) is a Master System composed of the following two (3) subsystems: 1) Enterprise Data Warehouse (EDW), 2) Electronic Library for Financial Management System (EL4FMS) and 3) Financial Enterprise Data Management Tools (FEDMT)

Enterprise Data Warehouse (EDW)

The Enterprise Data Warehouse (EDW) system is an automated information system (AIS) that provides access to integrated United States Patent and Trademark Office (USPTO) data to support the decision-making activities of managers and analysts in the USPTO's business areas as needed to achieve business goals. It helps USPTO managers and analysts to answer a variety of strategic and tactical business questions using quantitative enterprise business information. Specifically, EDW provides a tool that allows managers and analysts to analyze business processes, resource use and needs, and other facets of the business.

The Enterprise Data Warehouse:

Provides an integrated view of PTO's business information about PTO General Ledger, Revenue, Payroll, Cost Accounting, Human Resources, Budget, Compensation Cost Projection, Patent Case, Patent Examiner Production, Time and Attendance, Federal Procurement, Corporate Planning, Contractor Actual, Fixed Assets, Automated Disbursements, Accounts Receivable, Travel, Accounts Payable, Acquisitions, IT Project Information, IT Deployment, and Patent Trial and Appeal Board (PTAB) data to support strategic and tactical decision-making. Enables business users to retrieve and analyze USPTO business information at their desktop without assistance from information technology specialists.

Supports analyses of USPTO data as necessary to supply parameter data, derived from actual historical information, needed by analytical models such as the Patent Resource Management System (PRMS) and the Corporate Planning Tool.

Electronic Library for Financial Management System (EL4FMS)

The Electronic Library for Financial Management Systems (EL4FMS) is an automated information system (AIS) that provides access to USPTO financial-related documents to support the decision-making activities of managers and analysts. EL4FMS also supports users' business operations by providing access via FPNG to various financial documents relating to their FPNG account.

Financial Enterprise Data Management Tools (FEDMT)

FEDMT is a database/user interface solution utilizing the Oracle APEX product to build small applications to support Financial Reference data.

The first usage of this application built the PPA Code Database project that developed an APEX database within the current OCFO ABIS system boundary to house PPA (Program, Project, and Activity) code data that currently resides in two standalone Microsoft Access databases, each separately maintained by OCIO FRMD and OCFO ABID. Both existing Access databases contain a complete listing of PPA codes; the differentiator is the OCIO database contains additional project-related attributes of interest to FRMD. The new APEX database serves the need of both OCFO and OCIO and contains additional attributes needed by FRMD.

(b) a description of a typical transaction conducted on the system

A typical transaction is to support the decision making activities of managers and analysts in the PTO's business areas to analyze USPTO data necessary to supply parameter data derived from actual historical information needed by analytical models, such as OPBudget and the Corporate Planning Tool (CPT) to achieve USPTO's business information, a variety of strategic and tactical business questions. Specifically, the information will provide managers and analysts the ability to analyze business processes, resource use and needs, and other facts of the business at their desktop without assistance from information technology specialists. The information is collected to provide a single data source to facilitate ad-hoc queries and analysis of data by managers and analysts in the USPTO's business areas at their desktop without assistance from information technology specialists. Specifically, the system will provide a tool that enables managers and analysts to analyze business processes, resource use and needs, and other facets of the business and provide the USPTO with the means of performing at a more efficient, accurate, and cost effective level.

EL4FMS also supports users' business operations by providing access via FPNG to various financial documents relating to their FPNG account.

FEDMT builds small applications to support Financial Reference data.

(c) any information sharing conducted by the system IDP does not share any personal information with any external agencies. The information provided by USPTO is used by IDP for authorized activities performed by internal personnel only.

(d) a citation of the legal authority to collect PII and/or BII The PII and BII data is collected by the USPTO internal systems and it is provided to the IDP to provide managers and analysts the ability to analyze business processes, resource use and needs, and other facets of the business. The legal authority to collect PII and/or BII derives from

- 5 U.S.C. 301 and 35 U.S.C.6
- 35 U.S.C 1,6 and 115; 5 U.S.C. 301
- 35 U.S.C.2 and 41 and 15. U.S.C. 1113
- 5 U.S.C. 301; 44 U.S.C. 3101; 5 U.S.C. 4101 et seq.; 5 U.S.C. 1302, 3302, E.O 10577,3 CRF

1954-1958 Comp.p.218, E.O.12107, 3 CFR 1978 Comp. p264; and Federal Personnel Manual

(e) the Federal Information Processing Standard (FIPS) 199 security impact category for the system

Moderate

Section 1: Status of the Information System

form:

1.1 Indicate whether the info	rmati	on system is a new or e	existii	ng system.			
☐ This is a new informa	ation	system.					
☐ This is an existing in	forma	tion system with chang	es th	at create new privacy risk	S.		
(Check all that apply		orem system with ename	500 011	at create new privacy new			
, , , , , , , , , , , , , , , , , , , ,	•	41	1	1			
		•	nange	es do not create new priva	ıcy		
risks. Continue to answer qu	estions,	and complete certification.					
Changes That Create New Priv	acy Ri						
a. Conversions		d. Significant Merging		g. New Interagency Uses			
b. Anonymous to Non- Anonymous		e. New Public Access		h. Internal Flow or Collection			
c. Significant System		f. Commercial Sources		i. Alteration in Character			
Management Changes	L <u> </u>			of Data			
j. Other changes that create new privacy risks (specify):							
Section 2: Information in the System 2.1 Indicate what personally identifiable information (PII)/business identifiable information (BII) is collected, maintained, or disseminated. (Check all that apply.)							
Identifying Numbers (IN)		'1 /G ID		'			
a. Social Security*		ile/Case ID		i. Credit Card			
b. Taxpayer ID	 	river's License		j. Financial Account			
c. Employer ID	_	assport		k. Financial Transaction			
d. Employee ID		lien Registration		1. Vehicle Identifier			
m. Other identifying numbers (specif							
*Explanation for the need to collect, 1	naintai	n, or disseminate the Socia	l Secui	rity number, including truncate	ed		

IDP maintains Social Security Numbers (SSNs) of USPTO employees for human resources reporting purposes. The source systems from which it receives SSNs are the U.S Department of Agriculture (USDA) National Finance Center (NFC) and the USPTO Patent Capture and Application Processing

System – Examination Support (PCAPS-ES) Patent Application Location Monitoring (PALM) Infrastructure System (INFRA).							
*If SSNs are collected, stored, collection in the future and how	v this o	could be accomplished:	-	·			
The collection of SSNs could be	e avoi	ided by using a different u	nique identifi	er for staff.			
General Personal Data (GPD)						
a. Name	\boxtimes	g. Date of Birth	\boxtimes	m. Religion			
b. Maiden Name		h. Place of Birth		n. Financial Information	\boxtimes		
c. Alias		i. Home Address	\boxtimes	o. Medical Information			
d. Gender	\boxtimes	j. Telephone Number	\boxtimes	p. Military Service			
e. Age	\boxtimes	k. Email Address	\boxtimes	q. Physical Characteristics			
f. Race/Ethnicity	\boxtimes	1. Education	\boxtimes	r. Mother's Maiden Name			
s. Other general personal data	(spec	ify):	•				
Work-Related Data (WRD)		1 T 1 1 N 1		0.1			
a. Occupation		d. Telephone Number		g. Salary			
b. Job Title		e. Email Address		h. Work History	\boxtimes		
c. Work Address	· C >	f. Business Associates					
i. Other work-related data (specify):							
Distinguishing Features/Bion	antrins	s (DER)					
a. Fingerprints		d. Photographs		g. DNA Profiles			
b. Palm Prints		e. Scars, Marks, Tattoo		h. Retina/Iris Scans			
c. Voice			/3				
Recording/Signatures		f. Vascular Scan		i. Dental Profile			
j. Other distinguishing featur	es/bio	ometrics (specify):	•		1		
			<u></u>				
System Administration/Audi	t Data	(SAAD)					
a. User ID	\boxtimes	c. Date/Time of Acces	s 🗵	e. ID Files Accessed			
b. IP Address	\boxtimes	d. Queries Run	\boxtimes	f. Contents of Files			
g. Other system administration	n/aud	it data (specify):					
Other Information (specify)							
		-					
2.2 Indicate sources of t	he PI	I/BII in the system. (6	Check all th	hat apply.)			

Directly from Individual about Whom the Information Pertains

In Person		Hard Copy: N	Mail/	Fax		Online	
Telephone		Email					
Other (specify):							
Government Sources							
Within the Bureau	\boxtimes	Other DOC B	urea	us		Other Federal Agencies	\boxtimes
State, Local, Tribal		Foreign					
Other (specify):							
N							1
Non-government Sources Public Organizations		Private Sector				Commercial Data Brokers	П
Third Party Website or Applica		Private Sector	[Commercial Data Brokers	
Other (specify):	111011						
other (specify).							
2.3 Indicate the technological	ogies	used that con	tain	PII/BII in	wavs	that have not been previou	ıslv
deployed. (Check at	_						5
deployed. (Check al	ı ınaı	арріу.)					
	DII/	DIEN A D		D 1 1/7	TIODI	DAIDD)	1
Technologies Used Containin Smart Cards	g PII/	BII Not Previo	usiy	Biometrics	UCPI	BNPD)	
Caller-ID			$\frac{\square}{\square}$		entity.	Verification (PIV) Cards	\dashv
Other (specify):			Ш	1 CISOIIai Iu	Citity	verification (11v) Cards	
other (specify).							
							'
☐ ☐ There are not any technology	ologies	used that conta	in Pl	I/BII in way	s that h	nave not been previously deployed	ed.
						1 1 1	
Section 3: System Suppo	rted /	Activities					
System Suppo	i ttu i	Activities					
3.1 Indicate IT system s	unnor	ted activities	wh	ich raise ni	ivacy	risks/concerns. (Check al	l that
apply.)	иррог	ted activities	VV 11.	ion raise pi	ivacy	Tisks/concerns. (Check at	ıınaı
арріу.)							
Activities							
Audio recordings				Building er	itry rea	iders	
Video surveillance						se transactions	
Other (specify):			٠				
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
☐ ☐ There are not any IT sys	tem su	pported activiti	es w	hich raise pri	vacv r	isks/concerns.	
, ,		1 1		1			

Section 4: Purpose of the System

4.1 Indicate why the PII/BII in the IT system is being collected, maintained, or disseminated. (*Check all that apply.*)

Purpose			
To determine eligibility		For administering human resources programs	\boxtimes
For administrative matters	\boxtimes	To promote information sharing initiatives	
For litigation		For criminal law enforcement activities	
For civil enforcement activities		For intelligence activities	
To improve Federal services online		For employee or customer satisfaction	
For web measurement and customization technologies (single-session)		For web measurement and customization technologies (multi-session)	
Other (specify):	•		

Section 5: Use of the Information

5.1 In the context of functional areas (business processes, missions, operations, etc.) supported by the IT system, describe how the PII/BII that is collected, maintained, or disseminated will be used. Indicate if the PII/BII identified in Section 2.1 of this document is in reference to a federal employee/contractor, member of the public, foreign national, visitor or other (specify).

The Delivery Product integrates existing data from multiple USPTO sources and HR data from the U.S Department of Agriculture (USDA) National Finance Center (NFC). It makes data comparisons available for analysis.

This information is collected to support the decision making activities of managers and analysts in the PTO's business areas to analyze USPTO data. Specifically, the information will provide managers and analysts the ability to analyze business processes, resource use and needs, and other facets of the business and provide the USPTO with the means of performing at a more efficient, accurate, and cost effective level.

One subject area of the IDP is the Human Resources Subject Area (HRSA). HRSA is a reporting mechanism for HR to allow authorized users (both within OHR and for managers throughout PTO) to run reports, such as staff listings, within Grade Increases projections, employee counts, accession/separation lists, etc. The data warehouse (which stores USDA NFC, U.S Treasury HR Connect, and general employee locator content) in conjunction with the Business objects reporting tool, allows for the dissemination of information to authorized users.

Section 6: Information Sharing and Access

6.1 Indicate with whom the bureau intends to share the PII/BII in the IT system and how the PII/BII will be shared. (*Check all that apply.*)

Danimiant	How Information will be Shared					
Recipient	Case-by-Case	Bulk Transfer	Direct Access			
Within the bureau	\boxtimes	\boxtimes	\boxtimes			
DOC bureaus						
Federal agencies						
State, local, tribal gov't agencies						
Public						
Private sector						
Foreign governments						
Foreign entities						
Other (specify):						

The PII/BII in the system will not be shared.

6.2 Indicate whether the IT system connects with or receives information from any other IT systems authorized to process PII and/or BII.

Yes, this IT system connects with or receives information from another IT system(s) authorized to process PII and/or BII.

Provide the name of the IT system and describe the technical controls which prevent PII/BII leakage: USPTO Systems:

- Consolidated Financial System (CFS)
- o Momentum
- Corporate Administrative Office System (CAOS)
- o Web Time and Attendance (WebTA)
- Employee Relations/Labor Relations Case Management System (ERLRCMS)
- Fee Processing Next Generation (FPNG)
- Financial Budget and Planning System (FBPS)
- o Corporate Planning Tool (CPT)
- o Financial Enterprise Data Management Tools (FEDMT)
- o Transit Subsidy System (TSS)
- Patent Capture and Application Processing System Examination Support (PCAPS-ES)
- o Patent Application Location Monitoring (PALM) Examination and Post-Examination (EXPO)
- o Patent Application Location Monitoring (PALM) Infrastructure System (INFRA)
- Patent Trial and Appeal Board End to End (PTAB E2E)
- Reasonable Accommodation Case Management System (RACMS)
- Revenue Account and Management (RAM)

External Systems:

- U.S. Department of Agriculture (USDA) National Finance Center (NFC)
- U.S. Treasury HR Connect

The information transmitted between the systems is protected within USPTO's secure perimeter through the Network and Security Infrastructure (NSI) and the Enterprise Monitoring and Security Operations (EMSO) systems.

	No, this IT system does not connect with process PII and/or BII.	or receive	e information from another IT system(s) authorized	d to	
6.3		l have a	ccess to the IT system and the PII/BII. (Ch	heck	
	s of Users				
	eral Public		Government Employees	\boxtimes	
	ractors	\boxtimes			
Othe	r (specify):				
<u>Secti</u> 7.1	disseminated by the system. (Che	ck all th		or	
\boxtimes	discussed in Section 9.		ords notice published in the Federal Register and		
	Yes, notice is provided by a Privacy Act statement and/or privacy policy. The Privacy Act statement and/or privacy policy can be found at:				
\boxtimes	Yes, notice is provided by other means.	applicat notified	how: IDP receives PII/BII indirectly from other ion systems (i.e. front end systems). Individuals mathematically that their PII/BII is collected, maintained, or nated by the primary application ingress system.	ay be	
	No, notice is not provided.	Specify	why not:		
7.2	Indicate whether and how individu	ials have	e an opportunity to decline to provide PII/I	BII.	
	Yes, individuals have an opportunity to decline to provide PII/BII.	Specify	how:		
\boxtimes	No, individuals do not have an opportunity to decline to provide PII/BII.	applicat systems collecte	why not: IDP receives PII/BII indirectly from other ion systems (i.e. front end systems). These front end provide this functionality for the data that is being d. IDP has no authorization to decline any type of tion since it's owned by the primary applicat	nd g	

7.3	Indicate whether and how individuals have an opportunity to consent to particular uses of
	their PII/BII.

	Yes, individuals have an opportunity to	Specify how:
	consent to particular uses of their PII/BII.	
\boxtimes	No, individuals do not have an opportunity to consent to particular uses of their PII/BII.	Specify why not: IDP receives PII/BII indirectly from application systems (i.e front end systems). These front end systems provide this functionality for data that is being collected.

7.4 Indicate whether and how individuals have an opportunity to review/update PII/BII pertaining to them.

	Yes, individuals have an opportunity to review/update PII/BII pertaining to them.	Specify how:
\boxtimes	No, individuals do not have an opportunity to review/update PII/BII pertaining to them.	Specify why not: Specify why not: IDP receives PII/BII indirectly from other application systems (i.e. front end systems). These front end systems provide this functionality for the data that is being collected. IDP has no authorization to review/update any type of information since it's owned by the primary application.

Section 8: Administrative and Technological Controls

8.1 Indicate the administrative and technological controls for the system. (*Check all that apply.*)

	All users signed a confidentiality agreement or non-disclosure agreement.
\boxtimes	All users are subject to a Code of Conduct that includes the requirement for confidentiality.
\boxtimes	Staff (employees and contractors) received training on privacy and confidentiality policies and practices.
\boxtimes	Access to the PII/BII is restricted to authorized personnel only.
\boxtimes	Access to the PII/BII is being monitored, tracked, or recorded. Explanation: Access to the PII/BII is being monitored and tracked through audit logs.
\boxtimes	The information is secured in accordance with FISMA requirements. Provide date of most recent Assessment and Authorization (A&A): 9/19/17 This is a new system.
\boxtimes	The Federal Information Processing Standard (FIPS) 199 security impact category for this system is a moderate or higher.
\boxtimes	NIST Special Publication (SP) 800-122 and NIST SP 800-53 Revision 4 Appendix J recommended security controls for protecting PII/BII are in place and functioning as intended; or have an approved Plan of Action and Milestones (POAM).
\boxtimes	Contractors that have access to the system are subject to information security provisions in their contracts required by DOC policy.
	Contracts with customers establish ownership rights over data including PII/BII.
	Acceptance of liability for exposure of PII/BII is clearly defined in agreements with customers.
	Other (specify):

8.2 Provide a general description of the technologies used to protect PII/BII on the IT system.

Management Controls:

The USPTO uses the Life Cycle review process to ensure that management controls are in place for the IDP. During the enhancement of any component, the security controls are reviewed, re-evaluated, and updated in the Security Plan. The Security Plans specifically address the management, operational, and technical controls that are in place, and planned during the operation of the enhanced system. Additional management controls include performing national agency check on all personnel, including contractor staff.

Operational Controls:

Operational controls include securing all hardware associated with this system in the USPTO Data Center. The Data Center is controlled by access card entry, and manned by a uniformed guard service to restrict access to the servers, their operation systems and databases. Backups are stored on tape and are secured off-site. Additional operation controls include: (1) Logical edit checks to ensure proper sequence of actions" (2) Physical terminal identification; (3) Database UserID; (4) restricted data display, as required; and (5) restricted access.

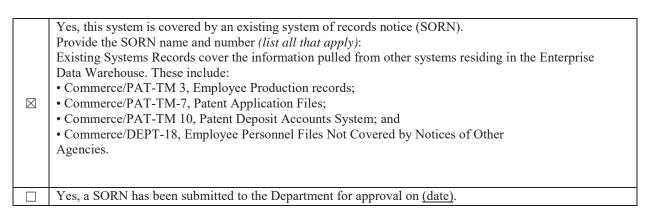
Technical Controls:

Technical controls include password authentication (userid and passwords). At the client PCs', access is managed through a password authentication (userid and passwords) based on certification on a Financial Application Security Registration form. The security form must be signed by a supervisor, and requires additional approval from Human Resources based on a justification of need.

Section 9: Privacy Act

9.1 Indicate whether a system of records is being created under the Privacy Act, 5 U.S.C. § 552a. (A new system of records notice (SORN) is required if the system is not covered by an existing SORN).

As per the Privacy Act of 1974, "the term 'system of records' means a group of any records under the control of any agency from which information is retrieved by the name of the individual or by some identifying number, symbol, or other identifying particular assigned to the individual."



□ No, a SORN is not being created.

Section 10: Retention of Information

10.1 Indicate whether these records are covered by an approved records control schedule and monitored for compliance. (*Check all that apply.*)

\boxtimes	There is an approved record control schedule. Provide the name of the record control schedule: GRS 4.3:031 – Output Records
	No, there is not an approved record control schedule. Provide the stage in which the project is in developing and submitting a records control schedule:
\boxtimes	Yes, retention is monitored for compliance to the schedule.
	No, retention is not monitored for compliance to the schedule. Provide explanation:

10.2 Indicate the disposal method of the PII/BII. (Check all that apply.)

Disposal			
Shredding	\boxtimes	Overwriting	\boxtimes
Degaussing	\boxtimes	Deleting	\boxtimes
Other (specify):			

Section 11: NIST Special Publication 800-122 PII Confidentiality Impact Levels

11.1 Indicate the potential impact that could result to the subject individuals and/or the organization if PII were inappropriately accessed, used, or disclosed.

	Low – the loss of confidentiality, integrity, or availability could be expected to have a limited adverse
	effect on organizational operations, organizational assets, or individuals.
	Moderate – the loss of confidentiality, integrity, or availability could be expected to have a serious adverse
	effect on organizational operations, organizational assets, or individuals.
\boxtimes	High – the loss of confidentiality, integrity, or availability could be expected to have a severe or
	catastrophic adverse effect on organizational operations, organizational assets, or individuals.

11.2 Indicate which factors were used to determine the above PII confidentiality impact levels. (*Check all that apply.*)

	Other:	Provide explanation:
\boxtimes	Access to and Location of PII	Provide explanation: Due to obtaining PII, necessary measures must be taken to ensure the confidentiality of information during processing, storing and transmission
\boxtimes	Obligation to Protect Confidentiality	Provide explanation: Based on the data collected USPTO must protect the PII of each individual in accordance to the Privacy Act of 1974.
\boxtimes	Context of Use	Provide explanation: PII is stored to support the decision making activities of managers and analysts in the PTO's business areas to analyze USPTO data.
\boxtimes	Data Field Sensitivity	Provide explanation: Combination of name, SSN, and financial information may be more sensitive.
\boxtimes	Quantity of PII	Provide explanation: Collectively, the number of records maintained generate an enormous amount of PII and a breach in such large numbers of individual PII must be considered in the determination of the impact level.
\boxtimes	Identifiability	Provide explanation: Social Security Number (SSN), name, gender, age, race/ethnicity, home/business address, email address, telephone number, financial information

Section 12: Analysis

12.1 Indicate whether the conduct of this PIA results in any required business process changes.

	Yes, the conduct of this PIA results in required business process changes. Explanation:
\boxtimes	No, the conduct of this PIA does not result in any required business process changes.
-	

12.2 Indicate whether the conduct of this PIA results in any required technology changes.

	Yes, the conduct of this PIA results in required technology changes. Explanation:
\boxtimes	No, the conduct of this PIA does not result in any required technology changes.