

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



**Privacy Impact Assessment
for the
Patent Business and Content Management Services (PBCMS)**

Reviewed by: Deborah Stephens, Bureau Chief Privacy Officer

- ☒ Concurrence of Senior Agency Official for Privacy/DOC Chief Privacy Officer
- ☐ Non-concurrence of Senior Agency Official for Privacy/DOC Chief Privacy Officer

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Date

U.S. Department of Commerce Privacy Impact Assessment USPTO Patent Business and Content Management Services (PBCMS)

Unique Project Identifier: PPL-PBCMS-01-00

Introduction: System Description

Provide a brief description of the information system.

Patent Business and Content Management Services (PBCMS) is a master system portfolio consisting of

- EventHub

EventHub services provides file transformation functionality for the USPTO enterprise. As part of the file transformation, the system captures metadata related to the files. This metadata is stored locally within Amazon Web Services (AWS) cloud managed by USPTO Amazon Cloud Services (UACS) and provided to the requesting system/application for processing. EventHub is implemented in AWS cloud by leveraging its services to provide resiliency, scalability and reliability. The boundary for EventHub is contained within UACS environment.

- Patent Content Management Services (P-CMS)

P-CMS receives its information from EventHub and is a collection of business layer services that provides Patent next generation applications with backwards compatibility access to unpublished and published patent application images.

Address the following elements:

(a) Whether it is a general support system, major application, or other type of system

PBCMS is a major application.

(b) System location

PBCMS is a cloud system within Amazon Web Services (AWS) East multiple availability zones and Alexandria, VA.

(c) Whether it is a standalone system or interconnects with other systems (identifying and describing any other systems to which it interconnects)

PBCMS interacts with the following systems:

USPTO AWS Cloud Services (UACS) - is a general support system and standard infrastructure platform used to support PTO Application Information Systems (AIS) hosted in the AWS East/West environment. The AWS East/West environment is comprised of several sub-components including, Virtual Private Cloud (VPC), Elastic Cloud Computing (EC2), Identity and Authentication Management (IAM), and Simple Storage Service.

Network and Security Infrastructure System (NSI) - is an infrastructure information system, and provides an aggregate of subsystems that facilitates the communications, secure access, protective services, and network infrastructure support for all USPTO IT applications.

Enterprise Software Services (ESS) - is a system that provides Enterprise Directory Services, Role-Based Access Control System, Email as a Service, PTO Exchange Services, Symantec Endpoint Protection, Enterprise SharePoint Services, etc.

Identity and Access Management/Identity as a Service/Okta (ICAM/IDaaS) - provides unified access management across applications and API based on single sign-on service. Identity and access management is provided by Okta's cloud-based solution which uses Universal Directory to create and manage users and groups.

Database Services (DBS) - an infrastructure information system providing a Database Infrastructure to support the mission of USPTO database needs.

International Data Exchange (IDE) - a web-based collaborative environment consisting of sub-elements: Cooperative Patent Classification Intellectual Property Office Collaboration Tools (CPC-IP OCT), Cooperative Patent Classification International (CPC INTL), Cooperative Patent Classification Database (CPC CDS), Global Dossier-Cloud (GD-C). IDE is a shared repository for all publicly available patents classification schemes approved by the United States Patent and Trademark Office (USPTO).

Master Data Management (MDM) - provides five major capabilities:1) Data Catalog - Discover and understand the data that matter and allow generating insights that drive business value2) Data Governance - Establish a shared business language and understand the ever-evolving data landscape3) Data Lineage - Show how data flows from system to system, with complete, end-to-end lineage visualization4) Data Privacy - Operationalize and manage policies across the privacy lifecycle and scale compliance across new regulations5) Data Quality - Autogenerate data quality rules to continuously improve trust in our data and analytics.

Open Data/Big Data Master System (OD/BDMS) - Collection of components and tools sharing analytic and data themes used in the production of business intelligence and advanced analytical solutions as well as consulting services for designing and developing those solutions.

Patent Administrative Center (PAC) - provides central tracking and recording of patent application status and bibliographic data; and its components will directly support the administration of the application processing lifecycle by facilitating the scanning of application documents, initialization of new patent applications, review of security, formality, document & fee requirements; automated routing of applications; generation, review and mailing of official correspondence to applicants; tracking examiner productivity; and the publication and issuing of patents

PatentCenter (PC) - is a next-generation Patents eCommerce application, used by patent practitioners, support staff, and independent inventors to file and manage patent applications. PatentCenter (PC) is a unified interface that allows applicants to file, review, and manage patent applications, including searching published prior art. It allows users to electronically file patent applications and proceedings, manage and view in-progress patent applications and information, and view public patent applications and granted patents. PatentCenter is hosted on USPTO Amazon Web Service (AWS) Cloud Services (UACS) with a combination of PaaS and SaaS computing models.

PE2E-Patent End to End (PE2E) - Allows users to manage patent applications, search prior art, manage classification and make patentability determinations.

Patent Trial and Appeal Case Tracking System (P-TACTS) - provides: 1) internal users with a unified case management and processing interface; 2) external customers with an interface to file papers and conduct AIA trial business; 3) a comprehensive data source for enhanced stakeholder reporting and managing risk.

Cloud System Performance Monitoring (CloudSPM) - provides comprehensive, real-time instrumentation and measurement that allows IT managers to optimize the performance, utilization, and availability of critical USPTO IT infrastructure, applications, platforms, including private clouds. It enables system observability and optimization for IT cloud, non-cloud, and applications.

(d) The way the system operates to achieve the purpose(s) identified in Section 4

The PBCMS system achieves its purpose by providing enterprise service pattern that can be leveraged by USPTO systems for processing documents conversion.

(e) How information in the system is retrieved by the user

Patent System users interact with PBCMS by using Rest API calls. Electronic Business Center EBC agents as internal users can use the AutoQC user interface to retrieve meta data for each filing submission sent to the Event Hub from Patent Center.

(f) How information is transmitted to and from the system

The common components currently use APIs to transmit information. The APIs are on Amazon Web Service (AWS) and APIs in other common services.

(g) Any information sharing

The Portable Document Format (PDF) files ingested by PBCMS will be converted to Tagged Image File Format (TIFF) and sent to receiving patent systems.

(h) The specific programmatic authorities (statutes or Executive Orders) for collecting, maintaining, using, and disseminating the information

35 U.S.C. 1 and 6; 5 U.S.C. 301

(i) The Federal Information Processing Standards (FIPS) 199 security impact category for the system

Moderate

Section 1: Status of the Information System

1.1 Indicate whether the information system is a new or existing system.

☐ This is a new information system.

☐ This is an existing information system with changes that create new privacy risks. *(Check all that apply.)*

Changes That Create New Privacy Risks (CTCNPR)					
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 Management Changes	☐	f. Commercial Sources	☐	i. Alteration in Character of Data	☐
j. Other changes that create new privacy risks (specify):					

- ☐ This is an existing information system in which changes do not create new privacy risks, and there is not a SAOP approved Privacy Impact Assessment.
- ☒ This is an existing information system in which changes do not create new privacy risks, and there is a SAOP approved Privacy Impact Assessment.

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)					
a. Social Security*	☐	f. Driver's License	☐	j. Financial Account	☐
b. Taxpayer ID	☐	g. Passport	☐	k. Financial Transaction	☐
c. Employer ID	☐	h. Alien Registration	☐	l. Vehicle Identifier	☐
d. Employee ID	☐	i. Credit Card	☐	m. Medical Record	☐
e. File/Case ID	☒				
n. Other identifying numbers (specify): Patent Application Number					
*Explanation for the business need to collect, maintain, or disseminate the Social Security number, including truncated form:					

General Personal Data (GPD)					
a. Name	☒	h. Date of Birth	☐	o. Financial Information	☐
b. Maiden Name	☐	i. Place of Birth	☐	p. Medical Information	☐
c. Alias	☐	j. Home Address	☒	q. Military Service	☐
d. Gender	☐	k. Telephone Number	☒	r. Criminal Record	☐
e. Age	☐	l. Email Address	☒	s. Marital Status	☐
f. Race/Ethnicity	☐	m. Education	☐	t. Mother's Maiden Name	☐
g. Citizenship	☐	n. Religion	☐		
u. Other general personal data (specify):					

Work-Related Data (WRD)					
a. Occupation	☒	e. Work Email Address	☒	i. Business Associates	☒
b. Job Title	☒	f. Salary	☐	j. Proprietary or Business Information	☒

c. Work Address	☒	g. Work History	☐	k. Procurement/contracting records	☐
d. Work Telephone Number	☒	h. Employment Performance Ratings or other Performance Information	☐		
l. Other work-related data (specify):					

Distinguishing Features/Biometrics (DFB)					
a. Fingerprints	☐	f. Scars, Marks, Tattoos	☐	k. Signatures	☒
b. Palm Prints	☐	g. Hair Color	☐	l. Vascular Scans	☐
c. Voice/Audio Recording	☐	h. Eye Color	☐	m. DNA Sample or Profile	☐
d. Video Recording	☐	i. Height	☐	n. Retina/Iris Scans	☐
e. Photographs	☐	j. Weight	☐	o. Dental Profile	☐
p. Other distinguishing features/biometrics (specify):					

System Administration/Audit Data (SAAD)					
a. User ID	☒	c. Date/Time of Access	☒	e. ID Files Accessed	☒
b. IP Address	☒	f. Queries Run	☒	f. Contents of Files	☐
g. Other system administration/audit data (specify):					

Other Information (specify)

2.2 Indicate sources of the PII/BII in the system. *(Check all that apply.)*

Directly from Individual about Whom the Information Pertains					
In Person	☐	Hard Copy: Mail/Fax	☐	Online	☐
Telephone	☐	Email	☐		
Other (specify):					

Government Sources					
Within the Bureau	☒	Other DOC Bureaus	☐	Other Federal Agencies	☐
State, Local, Tribal	☐	Foreign	☐		
Other (specify):					

Non-government Sources					
Public Organizations	☐	Private Sector	☐	Commercial Data Brokers	☐
Third Party Website or Application			☐		

Other (specify):

2.3 Describe how the accuracy of the information in the system is ensured.

Since the files and metadata are being transferred through several AWS services for conversion before going back to USPTO, there are validation checks at every event. Data is encrypted in transit and at rest.

PBCMS is secured using appropriate administrative, physical and technical safeguards in accordance with the National Institute of Standards and Technology (NIST) security controls (encryption, access control, auditing). Mandatory IT Awareness and role-based training is required for staff who have access to the system and addresses how to handle, retain, and dispose of data. All access has role-based restrictions, and individuals with access privileges have undergone vetting and suitability screening. The USPTO maintains an audit trail and performs random periodic reviews (quarterly) to identify unauthorized access and changes as part of verifying the integrity of administrative account holder data and roles. Inactive accounts will be deactivated and roles will be deleted from the application.

2.4 Is the information covered by the Paperwork Reduction Act?

☐	Yes, the information is covered by the Paperwork Reduction Act. Provide the OMB control number and the agency number for the collection.
☒	No, the information is not covered by the Paperwork Reduction Act.

2.5 Indicate the technologies used that contain PII/BII in ways that have not been previously deployed. *(Check all that apply.)*

Technologies Used Containing PII/BII Not Previously Deployed (TUCPBNDP)			
Smart Cards	☐	Biometrics	☐
Caller-ID	☐	Personal Identity Verification (PIV) Cards	☐
Other (specify):			

☒	There are not any technologies used that contain PII/BII in ways that have not been previously deployed.
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Section 3: System Supported Activities

- 3.1 Indicate IT system supported activities which raise privacy risks/concerns. *(Check all that apply.)*

Activities			
Audio recordings	☐	Building entry readers	☐
Video surveillance	☐	Electronic purchase transactions	☐
Other (specify): Click or tap here to enter text.			

☒	There are not any IT system supported activities which raise privacy risks/concerns.
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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			
For a Computer Matching Program	☐	For administering human resources programs	☐
For administrative matters	☒	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).

PBCMS services provides file transformation functionality for the USPTO enterprise. As part of the file transformation, the system captures metadata related to the files. The purpose of the system is to migrate current legacy services to the new cloud-based services that leverage cloud native capabilities and technologies to reduce infrastructure and operational maintenance cost to the USPTO.

The information is about members of the public, USPTO employees, contractors, and foreign nationals.

- 5.2 Describe any potential threats to privacy, such as insider threat, as a result of the bureau's/operating unit's use of the information, and controls that the bureau/operating unit has put into place to ensure that the information is handled, retained, and disposed appropriately. (For example: mandatory training for system users regarding appropriate handling of information, automatic purging of information in accordance with the retention schedule, etc.)

In the event of computer failure, insider threats, or attack against the system by adversarial or foreign entities, any potential PII data stored within the system could be exposed. To avoid a breach, the system has certain security controls in place to ensure the information is handled, retained, and disposed of appropriately. Access to individual's PII is controlled through the application, and all personnel who access the data must first authenticate to the system at which time an audit trail is generated when the database is accessed. These audit trails are based on application server out-of-the-box logging reports reviewed by the Information System Security Officer (ISSO) and System Auditor and any suspicious indicators such as browsing will be immediately investigated and appropriate action taken. Also, system users undergo annual mandatory training regarding appropriate handling of information.

NIST security controls are in place to ensure that information is handled, retained, and disposed of appropriately. For example, advanced encryption is used to secure the data both during transmission and while stored at rest. Access to individual's PII is controlled through the application and all personnel who access the data must first authenticate to the system at which time an audit trail is generated when the database is accessed. USPTO requires annual security role based training and annual mandatory security awareness procedure training for all employees. All offices of the USPTO adhere to the USPTO Records Management Office's Comprehensive Records Schedule that describes the types of USPTO records and their corresponding disposition authority or citation.

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.)*

Recipient	How Information will be Shared		
	Case-by-Case	Bulk Transfer	Direct Access
Within the bureau	☐	☒	☒
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 Does the DOC bureau/operating unit place a limitation on re-dissemination of PII/BII shared with external agencies/entities?

☐	Yes, the external agency/entity is required to verify with the DOC bureau/operating unit before re-dissemination of PII/BII.
☐	No, the external agency/entity is not required to verify with the DOC bureau/operating unit before re-dissemination of PII/BII.
☒	No, the bureau/operating unit does not share PII/BII with external agencies/entities.

6.3 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: UACS NSI ESS ICAM/IDaaS DBS IDE MDM ODBDMS PAC
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	PatentCenter PE2E P-TACTS NIST security controls are in place to ensure that information is handled, retained, and disposed of appropriately. For example, advanced encryption is used to secure the data both during transmission and while stored at rest. Access to individual's PII is controlled through the application and all personnel who access the data must first authenticate to the system at which time an audit trail is generated when the database is accessed. USPTO requires annual security role based training and annual mandatory security awareness procedure training for all employees. All offices of the USPTO adhere to the USPTO Records Management Office's Comprehensive Records Schedule that describes the types of USPTO records and their corresponding disposition authority or citation.
☐	No, this IT system does not connect with or receive information from another IT system(s) authorized to process PII and/or BII.

6.4 Identify the class of users who will have access to the IT system and the PII/BII. *(Check all that apply.)*

Class of Users			
General Public	☐	Government Employees	☒
Contractors	☒		
Other (specify):			

Section 7: Notice and Consent

7.1 Indicate whether individuals will be notified if their PII/BII is collected, maintained, or disseminated by the system. *(Check all that apply.)*

☒	Yes, notice is provided pursuant to a system of records notice published in the Federal Register and discussed in Section 9.	
☒	Yes, notice is provided by the USPTO privacy policy. The USPTO privacy policy can be found at: https://www.uspto.gov/privacy-policy	
☒	Yes, notice is provided by other means.	Specify how: This PIA serves as notice.
☐	No, notice is not provided.	Specify why not:

7.2 Indicate whether and how individuals have an opportunity to decline to provide PII/BII.

☐	Yes, individuals have an opportunity to decline to provide PII/BII.	Specify how:
☒	No, individuals do not have an opportunity to decline to provide PII/BII.	Specify why not: The PBCMS system only processes the data that is part of the document. The PBCMS Team does not collect PII/BII information from the user directly but ingests application files in PDF form from the front-end patent systems.

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 consent to particular uses of their PII/BII.	Specify how:
☒	No, individuals do not have an opportunity to consent to particular uses of their PII/BII.	Specify why not: The users do not have any opportunity to consent to particular uses of the PII/BII data since the system does not differentiate between data types. The system only processes data as part of the document conversion. There is no user interface (UI) components for individual user, all processing is conducted via application processing interfaces (APIs) and between systems.

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: USPTO employees and contractors can update their information via human resources.
☒	No, individuals do not have an opportunity to review/update PII/BII pertaining to them.	Specify why not: The users do not have an opportunity to review/update the PII/BII data since the system does not differentiate between data types. The system only processes data as part of the document conversion. There are no UI components for individual user, all processing is conducted via APIs and between systems.

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.
☒	All users are subject to a Code of Conduct that includes the requirement for confidentiality.
☒	Staff (employees and contractors) received training on privacy and confidentiality policies and practices.
☒	Access to the PII/BII is restricted to authorized personnel only.
☒	Access to the PII/BII is being monitored, tracked, or recorded. Explanation: Audit Logs

☒	The information is secured in accordance with the Federal Information Security Modernization Act (FISMA) requirements. Provide date of most recent Assessment and Authorization (A&A): 5/27/2026 ☐ This is a new system. The A&A date will be provided when the A&A package is approved.
☒	The Federal Information Processing Standard (FIPS) 199 security impact category for this system is a moderate or higher.
☒	NIST Special Publication (SP) 800-122 and NIST SP 800-53 Revision 5 recommended security controls for protecting PII/BII are in place and functioning as intended; or have an approved Plan of Action and Milestones (POA&M).
☒	A security assessment report has been reviewed for the information system and it has been determined that there are no additional privacy risks.
☒	Contractors that have access to the system are subject to information security provisions in their contracts required by DOC policy.
☒	Contracts with customers establish DOC 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. *(Include data encryption in transit and/or at rest, if applicable).*

PII within the system is secured using appropriate management, operational, and technical safeguards in accordance with NIST requirements. Such management controls include a review process to ensure that management controls are in place and documented in the System Security Privacy Plan (SSPP). The SSPP specifically addresses the management, operational, and technical controls that are in place and planned during the operation of the system. Operational safeguards include restricting access to PII/BII data to a small subset of users. All access has role-based restrictions and individuals with access privileges have undergone vetting and suitability screening. Data is maintained in areas accessible only to authorized personnel. The system maintains an audit trail and the appropriate personnel is alerted when there is suspicious activity. Data is encrypted in transit and at rest.

Section 9: Privacy Act

9.1 Is the PII/BII searchable by a personal identifier (e.g, name or Social Security number)?

☒ Yes, the PII/BII is searchable by a personal identifier.

☐ No, the PII/BII is not searchable by a personal identifier.

9.2 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."

☒	Yes, this system is covered by an existing system of records notice (SORN). Provide the SORN name, number, and link. <i>(list all that apply):</i> <u>COMMERCE/PAT-TM-7</u> - Patent Application Files
☐	Yes, a SORN has been submitted to the Department for approval on <u>(date)</u> .
☐	No, this system is not a system of records and a SORN is not applicable.

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.)*

General Records Schedules (GRS) / National Archives

☒	There is an approved record control schedule. Provide the name of the record control schedule: Patent Examination Feeder Records N1-241-10-1:4.4 Patent Post-Examination Feeder Records N1-241-10-1:4.5 Information Dissemination Product Reference. N1-241-05-2, 5 GRS 3.1: General Technology Management Records Item - 020 Information technology operations and maintenance records. Which include access and audit logs. GRS 3.2. Information Systems Security Records, Item 010, 020, 040, 050 Which include system security logs.
☐	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:
☒	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	☐	Overwriting	☐
Degaussing	☐	Deleting	☒
Other (specify):			

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

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. *(The PII Confidentiality Impact Level is not the same, and does not have to be the same, as the Federal Information Processing Standards (FIPS) 199 security impact category.)*

☒	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.
☐	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 level. *(Check all that apply.)*

☒	Identifiability	Provide explanation: General data fields such as name, home address, telephone number, email address; work-related data such as work email address, business associates, proprietary or business information, work email address; or distinguishing features/biometrics such as signatures could uniquely identify an individual. PBCMS processes documents that have PII, Name, Address, Phone number, Work Email, and business phone information. It is a conduit system and does not store anything.
☒	Quantity of PII	Provide explanation: PBCMS processes thousands of submissions of PDF documents daily
☒	Data Field Sensitivity	Provide explanation: System data fields such as user ID, first name, last name, and telephone number have little relevance outside the context of use.
☒	Context of Use	Provide explanation: PBCMS processes documents that have PII, Name, Address, Phone number, Work Email, and business phone information. It is a conduit system and does not store anything.
☒	Obligation to Protect Confidentiality	Provide explanation: NIST Special Publication (SP) 800-122 and NIST SP 800-53 Revision 5 recommended security controls for protecting PII/BII are in place and functioning as intended; or have an approved Plan of Action and Milestones (POA&M) and the Privacy Act of 1974.
☒	Access to and Location of PII	Provide explanation: PBCMS does not store PII. The PII is on the document that is transmitted through PBCMS.

☐	Other:	Provide explanation:
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Section 12: Analysis

- 12.1 Identify and evaluate any potential threats to privacy that exist in light of the information collected or the sources from which the information is collected. Also, describe the choices that the bureau/operating unit made with regard to the type or quantity of information collected and the sources providing the information in order to prevent or mitigate threats to privacy. (For example: If a decision was made to collect less data, include a discussion of this decision; if it is necessary to obtain information from sources other than the individual, explain why.)

The PII in this system poses a risk if exposed. System users undergo annual mandatory training regarding appropriate handling of information. Physical access to servers is restricted to only a few authorized individuals. The servers storing the potential PII are located in a highly sensitive zone within the cloud and logical access is segregated with network firewalls and switches through an Access Control list that limits access to only a few approved and authorized accounts. USPTO monitors, in real-time, all activities and events within the servers storing the potential PII data and personnel review audit logs received on a regular bases and alert the appropriate personnel when inappropriate or unusual activity is identified.

- 12.2 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:
☒	No, the conduct of this PIA does not result in any required business process changes.

- 12.3 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:
☒	No, the conduct of this PIA does not result in any required technology changes.