

Department of the Interior
Privacy Impact Assessment

May 23, 2014

Name of Project: Integrated Reporting of Wildland-Fire Information (IRWIN)
Major Application (MA)
Bureau: Office of the Secretary, Office of Wildland Fire
Project's Unique ID: 010-000000363

A. CONTACT INFORMATION:

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B. SYSTEM APPLICATION/GENERAL INFORMATION:

1) Does this system contain any information about individuals?

The Integrated Reporting of Wildland-Fire Information (IRWIN) application does not contain personally identifiable information (PII) about individuals. It contains information about wildland fire incidents. This information includes: wildland fire location, size, discovery time and date, incident name, incident type (kind and category), responsible unit, dispatch center, fire cause, discovery acres, and information relayed to other systems if a fire code has been requested.

a. Is this information identifiable to the individual¹?

The IRWIN application does not contain information about individuals. IRWIN contains information about wildland fire incidents. There is no information identifiable to any individual.

b. Is the information about individual members of the public?

¹ "Identifiable Form" - According to the OMB Memo M-03-22, this means information in an IT system or online collection: (i) that directly identifies an individual (e.g., name, address, social security number or other identifying number or code, telephone number, email address, etc.) or (ii) by which an agency intends to identify specific individuals in conjunction with other data elements, i.e., indirect identification. (These data elements may include a combination of gender, race, birth date, geographic indicator, and other descriptors).

The IRWIN application does not contain information about individual members of the public. IRWIN contains information about wildland fire incidents. There is no information about individual members of the public contained within the IRWIN application.

- c. Is the information about employees? (If yes and there is no information about members of the public, the PIA is required for the DOI IT Security A&A process, but is not required to be submitted with the OMB Exhibit 300 documentation).**

The IRWIN application does not contain information about employees. IRWIN contains information about wildland fire incidents. There is no information about employees contained within the IRWIN application.

2) What is the purpose of the system/application?

The IRWIN service is a Wildland Fire Information and Technology (WFIT) affiliated investment that is intended to provide an “end-to-end” fire reporting capability to facilitate the exchange or query of data. This investment will streamline incident business processes and improve the quality of data for collecting and reporting wildland fire incidents and events. The IRWIN Core team is tasked with providing integrated data exchange capabilities between the existing applications used to manage incidents related to wildland fire. IRWIN is focused on the goals of reducing redundant data entry, identifying authoritative data sources, and improving the consistency, accuracy, and availability of operation data. Use of the IRWIN application creates seamless coordination, collaboration and information sharing of wildland fire incidents, reduces costs, and facilitates fire management planning, prevention, preparedness, protection and suppression.

IRWIN will provide the capability to query data and facilitate reporting and analysis with multiple systems. By interconnecting systems, new and updated information would automatically be available to the different interagency systems and to a dashboard to provide queries and reports. Such a capability will support a number of needs and provide benefits throughout the wildland fire community, allowing consistent reporting of data, reducing duplicative data entry, facilitating information sharing of data in geographically diverse systems, and increasing the accuracy and availability of wildland fire incident data.

3) What legal authority authorizes the purchase or development of this system/application?

Departmental Regulations, 5 U.S.C. 301; The Paperwork Reduction Act, 44 U.S.C. 3501; the Clinger-Cohen Act, 40 U.S.C. 1401; OMB Circular A-130; and 112 Departmental Manual 7, Office of Wildland Fire.

C. DATA in the SYSTEM:

1) What categories of individuals are covered in the system?

There is no PII about individuals in the IRWIN system. The system only handles information and data regarding the characteristics of wildland fire data and information, including wildland fire location, size, discovery time and date, incident name, incident type (kind and category), responsible unit, dispatch center, fire cause, discovery acres, and information relayed to other systems if a fire code has been requested.

2) What are the sources of the information in the system?

The sources of information are interagency systems that gather information about the characteristics of wildland fires. The information that is shared via IRWIN comes from FireCode (BLM managed system), WildCAD (USFS managed system), Integrated Fire Management (IFM) (State of Alaska managed system), ICS-209 (USFS managed system), Enterprise Geospatial Portal (EGP) (USFS managed system), and Wildland Fire Decision Support System (WFDSS) (USFS managed system). IRWIN only holds on to the information for the time that the wildland fire incident is active. After the wildland fire incident is deemed finished IRWIN makes the data available back to the systems interfacing with IRWIN to be incorporated into the wildland fire records as appropriate and retained as defined by each of the authoritative data sources.

a. Is the source of the information from the individual or is it taken from another source? If not directly from the individual, then what other source?

The information is not taken from individuals. Data in IRWIN is received from interagency wildland fire systems. The systems share the data with other systems through an interface in IRWIN. IRWIN is a data or information integration service that makes data or information available for systems to poll for fresh or updated data on wildland fire incidents.

b. What Federal agencies are providing data for use in the system?

IRWIN is an integration service that accepts data and makes data available from and to systems within the wildland fire enterprise. Those systems which are part of the Wildland fire enterprise portfolio that currently poll IRWIN for data and information updates are FireCode (BLM managed system), WildCAD (USFS managed system), Integrated Fire Management (IFM) (State of Alaska managed system), ICS-209 (USFS managed system), Enterprise Geospatial Portal (EGP) (USFS managed system), and Wildland Fire Decision Support System (WFDSS) (USFS managed system). It is planned that IRWIN will facilitate data integration with 22 total systems. The systems IRWIN will facilitate data integration will include systems from four DOI Bureaus (BIA, FWS, NPS, and BLM), the U.S.

Department of Agriculture's U.S. Forest Service (USFS), and various State and Local organizations. The number of systems is subject to change as the enterprise portfolio changes.

c. What Tribal, State and local agencies are providing data for use in the system?

IRWIN is an integration service that accepts data and makes data available from and to systems within the wildland fire enterprise. Currently IRWIN does not integrate any Tribal information or data. It integrates information from Integrated Fire Management (IFM) system, which is a State of Alaska Computer Aided Dispatch (CAD) system from which IRWIN integrates data regarding the characteristics of wildland fires. Other State organizations that are interested in polling IRWIN for wildland fire information that are known at this time are the State of Utah and the State of Texas. As IRWIN progresses it is possible that additional state and local organizations that input wildland fire data into a computer sided dispatch software package may be interested in making their wildland fire data available to other applications and may want access to the data the integrated application shares using the IRWIN service.

d. From what other third party sources will data be collected?

IRWIN is an integration service that accepts data and makes data available from and to systems within the wildland fire enterprise. At this time IRWIN does not integrate or collect data from third party sources.

e. What information will be collected from the employee and the public?

IRWIN is a fire reporting capability that interfaces with systems within the wildland fire community to facilitate the exchange or query of data for collecting and reporting wildland fire incidents, and does not collect data from employees or members of the public.

3) Accuracy, Timeliness, and Reliability

a. How will data collected from sources other than DOI records be verified for accuracy?

A large part of the IRWIN effort is to ensure that data integrated using IRWIN comes from authoritative data sources. The IRWIN effort has a data manager that primarily focuses on verifying data that is integrated by IRWIN comes from the authoritative data sources. The IRWIN business lead serves as the chair of the National Wildfire Coordinating Group (NWCG) Data management committee. IRWIN relies on the authoritative data sources to verify accuracy of wildland fire records within their own systems. IRWIN does not verify or manipulate the data, it simply facilitates the integration of the data or information from system to

system. Data accuracy is accomplished by only allowing authorized systems to populate data, as well as ensuring that only authoritative data sources are allowed to overwrite fields.

b. How will data be checked for completeness?

IRWIN relies on the authoritative data sources which integrate their data using IRWIN to verify completeness within their own systems. IRWIN does not verify or manipulate the data it simply facilitates the integration of the data or information from system to system. Data accuracy is accomplished by only allowing authorized systems to populate data, as well as ensuring that only authoritative data sources are allowed to overwrite fields.

c. Is the data current? What steps or procedures are taken to ensure the data is current and not out-of-date? Name the document (e.g., data models).

As an integration service to the wildland fire enterprise, IRWIN facilitates the use of data on a real time basis while a wildland fire incident is within its operational periods. The data shared with IRWIN is as current as wildland fire records within the systems providing information to the IRWIN integration service. IRWIN does not verify data for currency or manipulate the data it integrates from system to system.

d. Are the data elements described in detail and documented?

Yes, the Data Elements, their attributes, and the hierarchy of the authoritative data sources are documented within the IRWIN Integration Specifications and the System Security Plan.

D. ATTRIBUTES OF THE DATA:

1) Is the use of the data both relevant and necessary to the purpose for which the system is being designed?

Yes, IRWIN is a fire reporting capability that facilitates the exchange of data on wildland fire incidents, streamlines incident business processes, improves the consistency, accuracy, and availability of wildland fire data, and facilitates information sharing of data in geographically diverse systems.

2) Will the system derive new data or create previously unavailable data about an individual through aggregation from the information collected, and how will this be maintained and filed?

Not applicable. IRWIN will not maintain or file data about individuals and will not collect, use or share any PII about individuals. The IRWIN system is not designed to

and does not derive new data or create previously unavailable data about individuals through aggregation from the information collected.

3) Will the new data be placed in the individual's record?

Not applicable. IRWIN will not maintain or file data about individuals and will not collect, use or share any PII about individuals.

4) Can the system make determinations about employees/public that would not be possible without the new data?

Not applicable. IRWIN will not maintain or file data about individuals and will not collect, use or share any PII about individuals. The IRWIN system is not designed to and does not make determinations about individuals.

5) How will the new data be verified for relevance and accuracy?

Not applicable. IRWIN is not designed to and will not create new data about individuals and will not collect, use or share any PII about individuals.

6) If the data is being consolidated, what controls are in place to protect the data from unauthorized access or use?

Not applicable. IRWIN does not contain PII and will not consolidate data. IRWIN is a data integration service that makes data or information available for systems to poll for fresh or updated data on wildland fire incidents.

7) If processes are being consolidated, are the proper controls remaining in place to protect the data and prevent unauthorized access? Explain.

Not applicable. IRWIN does not contain PII and will not consolidate data or processes. IRWIN is a data integration service that facilitates wildland fire incident data sharing with other applications within the wildland fire community.

8) How will the data be retrieved? Does a personal identifier retrieve the data?

Not applicable. The IRWIN application is an integration service that facilitates data sharing through interface with systems within the wildland fire community. Updates on wildland fire incidents are retrieved by data elements upon request. IRWIN does not contain PII about individuals.

9) What kinds of reports can be produced on individuals? What will be the use of these reports? Who will have access to them?

Not applicable. IRWIN is an integration service that facilitates interagency sharing of data on wildland fire incidents and does not produce reports on individuals.

10) What opportunities do individuals have to decline to provide information (i.e., where providing information is voluntary) or to consent to particular uses of the information (other than required or authorized uses), and how individuals can grant consent.)

Not applicable. IRWIN does not collect or maintain information on individuals.

E. MAINTENANCE AND ADMINISTRATIVE CONTROLS:

1) If the system is operated in more than one site, how will consistent use of the system and data be maintained in all sites?

IRWIN is hosted in a Federal Information Security Management Act (FISMA) compliant cloud environment managed by the DOI Office of the Chief Information Officer. Security controls are in alignment with the National Institute of Standards and Technology (NIST) standards, and security risk and impact are addressed in the formal Assessment and Authorization (A&A) for IRWIN. IRWIN provides a fire reporting capability to facilitate the data exchange between the existing applications used to manage incidents related to wildland fire, which allows new and updated information to automatically be available to the different interagency systems and to a dashboard to provide queries and reports. The interagency systems that interface with IRWIN are geographically located across the country and include FireCode (BLM managed system in Boise, ID), WildCAD (USFS managed system in Costa Mesa, CA), Integrated Fire Management (IFM) (State of Alaska managed system in Fairbanks, AK), ICS-209 (USFS managed system, Kansas City, MO), Enterprise Geospatial Portal (EGP) (USFS managed system in Boise, ID), and Wildland Fire Decision Support System (WFDSS) (USFS managed system in Sioux Falls, SD). Each of the systems interfacing with IRWIN have completed their organizations requirements for Assessment and Authorization (A&A).

2) What are the retention periods of data in this system?

Integrated data within IRWIN will be made available to the systems interfacing with IRWIN for the length of a wildland fire incident. IRWIN does not create federal records. The information and attributes for the wildland fire information that IRWIN makes available for integration from feeders systems will be managed and retained by the authoritative data sources and the organization responsible for a final fire report. It is the responsibility of each participating agency to meet records retention requirements for wildland fire records.

3) What are the procedures for disposition of the data at the end of the retention period? How long will the reports produced be kept? Where are the procedures documented?

IRWIN does not create federal records. Records retention and disposition for data integrated through IRWIN are the responsibility of authoritative data sources and data owners of the integrated data.

4) Is the system using technologies in ways that the DOI has not previously employed (e.g., monitoring software, Smart Cards, Caller-ID)?

The IRWIN application does not use technologies in ways that the DOI has not previously employed.

5) How does the use of this technology affect public/employee privacy?

The IRWIN application does not affect the privacy interests of employees or the public as it does not contain information about employees or members of the public. IRWIN is an integration system that facilitates interagency sharing of information about wildland fire incidents.

6) Will this system provide the capability to identify, locate, and monitor individuals? If yes, explain.

The IRWIN application will not provide the capability to identify, locate, and monitor individuals.

7) What kinds of information are collected as a function of the monitoring of individuals?

Not applicable. IRWIN is an integration service for sharing information on wildland fire incidents, and does not contain information about individuals or provide the capability to identify, locate or monitor individuals.

8) What controls will be used to prevent unauthorized monitoring?

Not applicable. IRWIN does not contain information about individuals or provide the capability to identify, locate or monitor individuals.

9) Under which Privacy Act system of records notice does the system operate? Provide number and name.

Not applicable. IRWIN does not contain information on individuals and is not a Privacy Act system of records.

10) If the system is being modified, will the Privacy Act system of records notice require amendment or revision? Explain.

Not applicable. IRWIN does not contain information on individuals and is not a Privacy Act system of records.

F. ACCESS TO DATA:

- 1) Who will have access to the data in the system?** (E.g., contractors, users, managers, system administrators, developers, tribes, other)

The IRWIN application does not have specific users; rather, a proscribed number of information systems are allowed to establish connections to IRWIN and to populate certain fields with data. No user accounts of any sort are permitted with the IRWIN application. Once a system has been determined as being authorized to connect to IRWIN, an additional hierarchical review of the request is conducted. Every request made to write data to the IRWIN service is vetted against the permissions criteria to ensure that a system which is not considered the authoritative data source is prevented from overwriting data from a field already populated by an authoritative data source.

- 2) How is access to the data by a user determined?** Are criteria, procedures, controls, and responsibilities regarding access documented?

The IRWIN application does not have specific users; rather, a proscribed number of information systems are allowed to establish connections to IRWIN and to populate certain fields with data. No user accounts of any sort are permitted with the IRWIN application. Only information systems with specific information related to wildfires and wildfire management are authorized to interconnect with IRWIN. These systems undergo a lengthy vetting process, and enter into memoranda of understanding with DOI about the interconnections necessary. Specifics regarding the nature of the systems and the method by which they pass data to IRWIN are documented in detail in the IRWIN System Security Plan.

- 3) Will users have access to all data on the system or will the user's access be restricted? Explain.**

The IRWIN application does not have specific users; rather, a proscribed number of information systems are allowed to establish connections to IRWIN and to populate certain fields with data. No user accounts of any sort are permitted with the IRWIN application. Only information systems with specific information related to wildfires and wildfire management are authorized to interconnect with IRWIN. These systems undergo a lengthy vetting process, and enter into memoranda of understanding with DOI about the interconnections necessary. Specifics regarding the nature of the systems and the method by which they pass data to IRWIN are documented in detail in the IRWIN System Security Plan. Users of the systems that interface with IRWIN will only have access to the data integrated using IRWIN through access of the interfacing systems. They will not have access to the IRWIN system or the data IRWIN is integrating.

- 4) What controls are in place to prevent the misuse (e.g., unauthorized browsing) of data by those having access?** (Please list processes and training materials)

Only authorized systems will interconnect with IRWIN, and these systems undergo a lengthy vetting process, and enter into memoranda of understanding with DOI about the interconnections necessary. Specifics regarding the nature of the systems and the method by which they pass data to IRWIN are documented in detail in the IRWIN System Security Plan. Users of the systems that interface with IRWIN will only have access to the data integrated using IRWIN through access of the interfacing systems. They will not have access to the IRWIN system or the data IRWIN is integrating.

- 5) Are contractors involved with the design and development of the system and will they be involved with the maintenance of the system? If yes, were Privacy Act contract clauses inserted in their contracts and other regulatory measures addressed?**

Yes, contractors are involved in the design, development and maintenance of the IRWIN application and the appropriate Privacy Act, security and other contract clauses were inserted in their contracts.

- 6) Do other systems share data or have access to the data in the system? If yes, explain.**

IRWIN is a fire reporting capability that facilitates interagency sharing and exchange or query of wildland fire incident data by interfacing with multiple systems. By interconnecting systems, new and updated information would automatically be available to the different interagency systems and to a dashboard to provide queries and reports. Systems which are part of the Wildland fire enterprise portfolio that currently poll IRWIN for data and information updates are Wildland Fire Decision Support System (WFDSS), the FireCode System (FireCode), Enterprise Geospatial Portal (EGP), Situation Report 209 (ICS 209), the Wildland Fire Computer Aided Dispatch (WildCAD), and the State of Alaska Integrated Fire Management (IFM). It is planned that IRWIN will facilitate data integration with 22 total systems in the interagency wildland fire community.

- 7) Who will be responsible for protecting the privacy rights of the public and employees affected by the interface?**

IRWIN does not contain PII or any information on individuals so public and employee privacy is not impacted by the interface between IRWIN and other wildland fire systems. The IRWIN system owner has the ultimate responsibility for addressing any privacy risks and ensuring appropriate safeguards are in place to protect employees and members of the public affected by the interface between systems and IRWIN.

- 8) Will other agencies share data or have access to the data in this system (Federal, State, Local, Other (e.g., Tribal))?**

Participating agencies will have access to the data they enter and query in the IRWIN application through their system interface, but will not have direct access to IRWIN.

9) How will the data be used by the other agency?

The IRWIN application allows seamless coordination, collaboration and information sharing of wildland fire incidents between multiple systems. The ability to query data and produce reporting and analysis of wildland fire incidents will support a number of needs and provide benefits throughout the wildland fire community, allowing consistent reporting of data, reducing duplicative data entry, facilitating information sharing of data in geographically diverse systems, and facilitating fire management planning, prevention, preparedness, protection and suppression.

10) Who is responsible for assuring proper use of the data?

The IRWIN System Owner and Information System Security Officer are responsible for ensuring proper use of the system and data.