

**U.S. Department of Commerce  
National Oceanic and Atmospheric Administration**



**Privacy Threshold Analysis  
for the  
Aviation Weather Center  
NOAA8861**

**U.S. Department of Commerce Privacy Threshold Analysis  
National Oceanic and Atmospheric Administration  
National Weather Service/Aviation Weather Center (NOAA8861)**

**Unique Project Identifier: NOAA8861**

**Introduction:** This Privacy Threshold Analysis (PTA) is a questionnaire to assist with determining if a Privacy Impact Assessment (PIA) is necessary for this IT system. This PTA is primarily based from the Office of Management and Budget (OMB) privacy guidance and the Department of Commerce (DOC) IT security/privacy policy. If questions arise or further guidance is needed in order to complete this PTA, please contact your Bureau Chief Privacy Officer (BCPO).

**Description of the information system and its purpose:**

The Aviation Weather Center (AWC), located in Kansas City, MO, enhances aviation safety by issuing accurate warnings, forecasts and analyses of hazardous weather for aviation interests. The Center identifies existing or imminent weather hazards to aircraft in flight and creates warnings for transmission to the aviation community. The Center also originates operational forecasts of weather conditions predicted to affect domestic and international aviation interests during the next 24 hours. The AWC collaborates with universities, governmental research laboratories, Federal Aviation Administration facilities, international meteorological watch offices and other National Weather Service components to maintain a leading edge in aviation meteorology hazards training, operations and forecast technique development.

Warnings of flight hazards, such as turbulence, icing, low clouds and reduced visibility remain most critical for the protection of life and property over the United States from the earth's surface up to Flight Level (FL) 240. Above FL 240, the AWC provides warnings of dangerous wind shear, thunderstorms, turbulence, icing, and volcanic ash for the Northern Hemisphere from the middle of the Pacific Ocean eastward to the middle of the Atlantic Ocean. Additionally, above FL 240, the AWC forecasts jet stream cores, thunderstorms, turbulence and fronts for the Northern Hemisphere from the east coast of Asia eastward to the west coast of Europe and Africa. Through international agreement, the AWC also has responsibility to back up other World Area Forecast Centers with aviation products distributed through the World Area Forecast System.

The AWC supports requirements for products and services established by national and international agreements. The Center coordinates closely with the aviation community to identify new standards in support of Federal Aviation Administration (FAA) national requirements and International Civil Aviation Organization (ICAO) international requirements.

The E-Government Act of 2002 defines "information system" by reference to the definition section of Title 44 of the United States Code. The following is a summary of the definition: "Information system" means a discrete set of information resources organized for the collection, processing, maintenance, use, sharing, dissemination, or disposition of information. See: 44. U.S.C. § 3502(8).

### Questionnaire:

#### 1. What is the status of this information system?

- \_\_\_\_\_ This is a new information system. *Continue to answer questions and complete certification.*
- \_\_\_\_\_ This is an existing information system with changes that create new privacy risks.  
*Complete chart below, continue to answer questions, and complete certification.*

<b>Changes That Create New Privacy Risks (CTCNPR)</b>					
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. *Continue to answer questions and complete certification.*
- X   This is an existing information system in which changes do not create new privacy risks, and there is a SAOP approved Privacy Impact Assessment (version 01-2015 or later). *Skip questions and complete certification.*

#### 2. Is the IT system or its information used to support any activity which may raise privacy concerns?

NIST Special Publication 800-53 Revision 4, Appendix J, states "Organizations may also engage in activities that do not involve the collection and use of PII, but may nevertheless raise privacy concerns and associated risk. The privacy controls are equally applicable to those activities and can be used to analyze the privacy risk and mitigate such risk when necessary." Examples include, but are not limited to, audio recordings, video surveillance, building entry readers, and electronic purchase transactions.

- \_\_\_\_\_ Yes. *Please describe the activities which may raise privacy concerns.*
- X   No

#### 3. Does the IT system collect, maintain, or disseminate business identifiable information (BII)?

As per DOC Privacy Policy: "For the purpose of this policy, business identifiable information consists of (a) information that is defined in the Freedom of Information Act (FOIA) as "trade secrets and commercial or financial information obtained from a person [that is] privileged or confidential." (5 U.S.C.552(b)(4)). This information is exempt from automatic release under the (b)(4) FOIA exemption. "Commercial" is not confined to records that reveal basic commercial operations" but includes any records [or information] in which the submitter has a commercial interest" and can include information submitted by a nonprofit entity, or (b) commercial or other information that, although it may not be exempt from release under FOIA, is exempt from disclosure by law (e.g., 13 U.S.C.)."

- \_\_\_\_\_ Yes, the IT system collects, maintains, or disseminates BII about: *(Check all that apply.)*
- \_\_\_\_\_ Companies

- ☐ Other business entities  
☒ No, this IT system does not collect any BII.

4. Personally Identifiable Information

4a. Does the IT system collect, maintain, or disseminate personally identifiable information (PII)?

As per OMB 07-16, Footnote 1: "The term 'personally identifiable information' refers to information which can be used to distinguish or trace an individual's identity, such as their name, social security number, biometric records, etc... alone, or when combined with other personal or identifying information which is linked or linkable to a specific individual, such as date and place of birth, mother's maiden name, etc..."

- ☒ Yes, the IT system collects, maintains, or disseminates PII about: (*Check all that apply.*)

- ☐ DOC employees  
☐ Contractors working on behalf of DOC  
☒ Members of the public

- ☐ No, this IT system does not collect any PII.

*If the answer is "yes" to question 4a, please respond to the following questions.*

4b. Does the IT system collect, maintain, or disseminate PII other than user ID?

- ☒ Yes, the IT system collects, maintains, or disseminates PII other than user ID.  
☐ No, the user ID is the only PII collected, maintained, or disseminated by the IT system.

4c. Will the purpose for which the PII is collected, stored, used, processed, disclosed, or disseminated (context of use) cause the assignment of a higher PII confidentiality impact level?

Examples of context of use include, but are not limited to, law enforcement investigations, administration of benefits, contagious disease treatments, etc.

- ☐ Yes, the context of use will cause the assignment of a higher PII confidentiality impact level.  
☒ No, the context of use will not cause the assignment of a higher PII confidentiality impact level.

***If any of the answers to questions 2, 3, 4b, and/or 4c are “Yes,” a Privacy Impact Assessment (PIA) must be completed for the IT system. This PTA and the approved PIA must be a part of the IT system’s Assessment and Authorization Package.***

## CERTIFICATION

  X   I certify the criteria implied by one or more of the questions above **apply** to the NOAA8861 – Aviation Weather Center and as a consequence of this applicability, I will perform and document a PIA for this IT system.

       I certify the criteria implied by the questions above **do not apply** to the NOAA8861 – Aviation Weather Center and as a consequence of this non-applicability, a PIA for this IT system is not necessary.

Name of Information System Security Officer (ISSO) or System Owner (SO):

Christopher John Ortiz (AWC ISSO)

Signature of ISSO or SO: ORTIZ.CHRISTOPH  
ER.J.1154749175 Digitally signed by ORTIZ.CHRISTOPH  
ER.J.1154749175  
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,  
ou=OTHER, cn=ORTIZ.CHRISTOPH.J.1154749175  
Date: 2018.03.15 10:35:21 -06'00' Date: 3/15/18

Name of Information Technology Security Officer (ITSO): Andrew Browne

Signature of ITSO: BROWNE.ANDREW.P  
ATRICK.1472149349 Digitally signed by  
BROWNE.ANDREW.PATRICK.1472149349  
Date: 2018.03.15 12:49:18 -04'00' Date: 3/15/18

Name of Authorizing Official (AO): Dr. William Lapenta

Signature of AO: LAPENTA.WILLIAM.M.  
1370194030 Digitally signed by LAPENTA.WILLIAM.M.1370194030  
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,  
ou=OTHER, cn=LAPENTA.WILLIAM.M.1370194030  
Date: 2018.03.15 14:32:32 -04'00' Date: 3/15/18

Name of Bureau Chief Privacy Officer (BCPO): Mark H. Graff (NOAA)

Signature of BCPO: GRAFF.MARK.HYRUM.1  
514447892 Digitally signed by GRAFF.MARK.HYRUM.1514447892  
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,  
ou=OTHER, cn=GRAFF.MARK.HYRUM.1514447892  
Date: 2018.03.19 07:57:36 -04'00' Date: 3/16/18