

**U.S. Department of Commerce  
NOAA**



**Privacy Impact Assessment for the  
Aviation Weather Center – NOAA8861**

Reviewed by: \_\_\_\_\_, Bureau Privacy Officer or Designee

Approved by: **Catrina D.** Digitally signed by Catrina D. Purvis  
DN: cn=Catrina D. Purvis, o=Office of  
the Secretary, Office of Privacy and  
Open Government, ou=US Department  
of Commerce, email=cpurvis@doc.gov,  
c=US, DOC Chief Privacy Officer

Date approved: **Purvis** Date: 2015.12.10 15:29:02 -05'00'

## **U.S. Department of Commerce Privacy Impact Assessment NWS – Aviation Weather Center**

**Unique Project Identifier:** UPI: 006-48-01-13-01-3504-00-108-023, and titled:  
NOAA/NWS/NCEP Weather and Climate Computing Infrastructure Services (WCCIS).

**NOAA8861 – Aviation Weather Center – WAFS Internet File Service (WIFS)**

### **Introduction: System Description**

The World Area Forecast System (WAFS) Internet File Service (WIFS) is provided by the United States National Weather Service (NWS) Aviation Weather Center (AWC) as a highly reliable Internet source of meteorological products. The purpose of WIFS is to provide timely delivery of critical aviation-related weather information to support air traffic management and flight operations in over 80 countries, and regional meteorological telecommunications between the United States and nations in the Caribbean and Central America. This service is available to all authorized customers. The Federal Aviation Administration (FAA) has an agreement with the United Kingdom Meteorological Office (UK-Met) which also produces similar products on a fee for service basis to the aviation community. Depending on the requester's legal address, the products may be obtained from the FAA via the AWC website at no cost. However, the address of the requester must be collected by the AWC and sent via encrypted file transfer to the FAA for analysis based on the UK-Met/FAA agreements before access can be granted as part of the International Civil Aviation Organization (ICAO) agreement. The ICAO recognizes the use of the Internet to access aviation weather data in support of flight planning. The WIFS provides this capability.

Once the FAA approves a user state (country or organization) to access the WIFS system, the AWC will issue a user name and password which will be required to access the data. The ICAO, in Amendment 75 to Annex 3, recognizes the use of the Internet to access aviation weather data in support of flight planning. The WIFS provides this capability and serves an important function backing up the International Satellite Communications System (ISCS).

The WIFS is an integral part of the AWC's Consolidated Aviation Web Services (CAWS) system which has been certified by the FAA as a Qualified Internet Communications Provider (QICP). The CAWS system provides QICP certification and access to the real-time repository for the WIFS application via the HTTPS protocol. The primary open source product for access using the HTTPS protocol is the "GNU Wget package" (GNU is a recursive acronym for "GNU's Not Unix" and is pronounced "guh-NEW"). For the purposes of meeting the ICAO Document 9855 (Guidelines on the Use of the Public Internet for Aeronautical Applications) and the FAA's

Advisory Circular 00-62 for the Qualified Internet Communications Provider (QICP) requirement, there are three geographically remote web farms that house the WIFS data.

The AWC is a Moderate Impact system.

The legal authority for information collection addressed in this PIA is:

15 U.S.C. § 1512 is an Organic Law which confers general powers and duties authority to executive agencies, vesting jurisdiction and control of departments, bureaus, offices and branches.

See also U.S. Department of Commerce and NOAA official Privacy Act system of records listing: COMMERCE/NOAA-11. This listing sets forth the authority for the maintenance of the system as well as for the underlying collection of information.

The data requestor's address is shared with the FAA.

**Section 1: Information in the System**

1.1 Indicate what personally identifiable information (PII)/business identifiable information (BII) is collected, maintained, or disseminated. Check all that apply.

<b>Identifying Numbers (IN)</b>			
a. Social Security	<input type="checkbox"/>	e. Alien Registration	<input type="checkbox"/>
b. Taxpayer ID	<input type="checkbox"/>	f. Driver's License	<input type="checkbox"/>
c. Employee ID	<input type="checkbox"/>	g. Passport	<input type="checkbox"/>
d. File/Case ID	<input type="checkbox"/>	h. Credit Card	<input type="checkbox"/>
i. Financial Account			
j. Financial Transaction			
k. Vehicle Identifier			
l. Employer ID Number			
m. Other identifying numbers (specify):			

<b>General Personal Data (GPD)</b>			
a. Name	<input checked="" type="checkbox"/>	g. Date of Birth	<input type="checkbox"/>
b. Maiden Name	<input type="checkbox"/>	h. Place of Birth	<input type="checkbox"/>
c. Alias	<input type="checkbox"/>	i. Home Address	<input checked="" type="checkbox"/>
d. Gender	<input type="checkbox"/>	j. Telephone Number	<input checked="" type="checkbox"/>
e. Age	<input type="checkbox"/>	k. Email Address	<input checked="" type="checkbox"/>
f. Race/Ethnicity	<input type="checkbox"/>	l. Education	<input type="checkbox"/>
m. Religion			
n. Financial Information			
o. Medical Information			
p. Military Service			
q. Physical Characteristics			
r. Mother's Maiden Name			
s. Other general personal data (specify):			

<b>Work-Related Data (WRD)</b>			
a. Occupation	<input type="checkbox"/>	d. Telephone Number	<input checked="" type="checkbox"/>
b. Job Title	<input type="checkbox"/>	e. Email Address	<input checked="" type="checkbox"/>
c. Work Address	<input checked="" type="checkbox"/>	f. Business Associates	<input type="checkbox"/>
g. Salary			
h. Work History			
i. Other work-related data (specify):			

<b>Distinguishing Features/Biometrics (DFB)</b>			
a. Fingerprints	<input type="checkbox"/>	d. Photographs	<input type="checkbox"/>
g. DNA Profiles			

b. Palm Prints		e. Scars, Marks, Tattoos		h. Retina/Iris Scans	
c. Voice Recording/Signatures		f. Vascular Scan		i. Dental Profile	
j. Other distinguishing features/biometrics (specify):					

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

<b>Other Information (specify)</b>					

1.2 Indicate sources of the PII/BII in the system. Check all that apply.

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

<b>Government Sources</b>					
Within the Bureau		Other DOC Bureaus		Other Federal Agencies	
State, Local, Tribal		Foreign			
Other (specify):					

<b>Non-government Sources</b>					
Public Organizations		Public Media, Internet		Private Sector	
Commercial Data Brokers					
Other (specify):					

**Section 2: Purpose of the System**

2.1 Indicate why the PII/BII in the system is being collected, maintained, or disseminated. Check all that apply.

<b>Purpose</b>			
To determine eligibility	X	For administering human resources programs	
For administrative matters	X	To promote information sharing initiatives	X
For litigation		For criminal law enforcement activities	

For civil enforcement activities		For intelligence activities	
Other (specify):			

**Section 3: Use of the System**

3.1 Provide an explanation of how the bureau will use the PII/BII to accomplish the checked purpose(s), e.g., to verify existing data. Describe why the PII/BII that is collected, maintained, or disseminated is necessary to accomplish the checked purpose(s) and further the mission of the bureau and/or the Department. Indicate if the PII/BII identified in Section 1.1 of this document is in reference to a federal employee/contractor, member of public, foreign national, visitor or other (specify).

To determine eligibility and promote information sharing initiatives:

The purpose of WIFS is to provide timely delivery of critical aviation-related weather information to support air traffic management and flight operations in over 80 countries, and regional meteorological telecommunications between the United States and nations in the Caribbean and Central America. The WIFS will become the primary service at that time. Information is collected from members of the public.

For administrative matters:

The data collected is used for statistical analysis. Additionally, the information is helpful to identify groups of individuals who may be interested in helping AWC develop future products or to improve existing products. Information is collected from members of the public.

**Section 4: Information Sharing**

4.1 Indicate with whom the bureau intends to share the PII/BII in the system and how the PII/BII will be shared.

Recipient	How Information will be Shared			
	Case-by-Case	Bulk Transfer	Direct Access	Other (specify)
Within the bureau				
DOC bureaus				
Federal agencies	X			
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.

**Section 5: Notice and Consent**

5.1 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 6.	
X	Yes, notice is provided by other means.	Specify how: Privacy Statement on Website <a href="http://www.weather.gov/privacy">http://www.weather.gov/privacy</a>
	No, notice is not provided.	Specify why not:

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

X	Yes, individuals have an opportunity to decline to provide PII/BII.	Specify how: Individuals may decline to provide the information by not completing a request, but then they will not be registered.
	No, individuals do not have an opportunity to decline to provide PII/BII.	Specify why not:

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

X	Yes, individuals have an opportunity to consent to particular uses of their PII/BII.	Specify how: The Privacy Policy states that completion of the requested information implies consent to the use described on the registration form.
	No, individuals do not have an opportunity to consent to particular uses of their PII/BII.	Specify why not:

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

X	Yes, individuals have an opportunity to review/update PII/BII pertaining to them.	Specify how: An individual may update his/her information, including product preferences, when accessing his/her account.
	No, individuals do not have an opportunity to review/update PII/BII pertaining to them.	Specify why not:

**Section 6: Administrative and Technological Controls**

6.1 Indicate the administrative and technological controls for the system. Check all that apply.

	All users signed a confidentiality agreement.
	All users are subject to a Code of Conduct that includes the requirement for confidentiality.
X	Staff received training on privacy and confidentiality policies and practices.
X	Access to PII/BII is restricted to authorized personnel only.
X	The information is secured in accordance with FISMA requirements. Provide date of most recent Assessment and Authorization: <u>8/26/2015</u>
X	The Federal Information Processing Standard (FIPS) 199 security impact category for this system is a moderate or higher. (FIPS 199 – Impact is MODERATE)
X	NIST 800-122 recommended security controls for protecting PII/BII are in place and functioning as intended; or have an approved Plan of Action and Milestones (POAM).
	Contractors that have access to the system are subject to information security provisions in their contracts required by DOC policy.
	Other (specify):

### **Section 7: Privacy Act**

- 7.1 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."

X	Yes, this system is covered by an existing system of records notice. Provide the system name and number: NOAA-11, NOAA Mailing Lists.
	Yes, a system of records notice has been submitted to the Department for approval on (date).
	No, a system of records notice is not being developed.

### **Section 8: Retention of Information**

- 8.1 Indicate whether these records are covered by an approved records control schedule and monitored for compliance. Check all that apply.

X	There is an approved record control schedule. Provide the name of the record control schedule: System Access Records, the disposition authority is DAA-GRS- 2013-0006-003. Disposition instruction: Temporary. Destroy when business need ceases.  Information is kept only for active subscribers. If a user un-subscribes, the data collected is automatically purged from the database.
	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:
X	Yes, retention is monitored for compliance to the schedule.
	No, retention is not monitored for compliance to the schedule. Provide explanation:

## Points of Contact and Signatures

<p><b>Information Systems Security Officer</b>  Name: Christopher J. Ortiz  Office: Aviation Weather Center (AWC)  Phone: 303-497-3930  Email: <a href="mailto:Chris.Ortiz@noaa.gov">Chris.Ortiz@noaa.gov</a></p> <p>I certify that this PIA is an accurate representation of the security controls in place to protect PII/BII processed on this system.</p> <p>Signature: <u>ORTIZ,CHRIS TOPHER J. J. 11-11-15</u>  Date signed: <u>54749175</u></p> <p><small>Digitally signed by  ORTIZ,CHRISTOPHER J.1154749175  DN: cn=US, o=U.S. Government,  ou=DoD, ou=PIA, ou=OTHER,  cn=ORTIZ,CHRISTOPHER J.1154749  175  Date: 2015.11.09 14:45:43 -0700</small></p>	<p><b>System Owner</b>  Name: Bob Maxson.  Office: Aviation Weather Center (AWC)  Phone: 816-584-7201  Email: <a href="mailto:bob.maxson@noaa.gov">bob.maxson@noaa.gov</a></p> <p>I certify that this PIA is an accurate representation of the security controls in place to protect PII/BII processed on this system.</p> <p>Signature: <u>MAXSON,R ROBERT W. 11-11-15</u>  Date signed: <u>079535326</u></p> <p><small>Digitally signed by  MAXSON,ROBERT,  W.1079535326  Date: 2015.11.10  09:45:30 -08'00'</small></p>
<p><b>NOAA Privacy Officer or Designee</b>  Name: Mark Graff  Office: NOAA Office of the Chief Information Officer  Phone: 301-628-5658  Email: <a href="mailto:mark.graff@noaa.gov">mark.graff@noaa.gov</a></p> <p>I certify that the PII/BII processed in this system is necessary and this PIA ensures compliance with DOC policy to protect privacy.</p> <p>Signature: <u>GRAFF,MARK K. HYRUM. J</u>  Date signed: <u>514447892</u></p> <p><small>Digitally signed by  GRAFF,MARKHYRUM.15144478  92  DN: cn=US, o=U.S. Government,  ou=DoD, ou=ECOM=OTHER,  cn=GRAFF,MARKHYRUM.15144  47892  Date: 2015.11.12 07:59:55 -05'00'</small></p>	<p><b>DOC Chief Privacy Officer</b>  Name: Catrina Purvis  Office: Office of Privacy and Open Government  Phone: 202-482-1190  Email: <a href="mailto:CPurvis@doc.gov">CPurvis@doc.gov</a></p> <p>I certify that I have reviewed this PIA for compliance with DOC policy to protect privacy and authorize for this PIA to be published on DOC websites.</p> <p>Signature: <u>Catrina D. Purvis</u>  Date signed: <u>Purvis</u></p> <p><small>Digitally signed by Catrina D. Purvis  DN: cn=Catrina D. Purvis, o=Office of the  Secretary, ou=Office of Privacy and Open  Government, ou=US Department of  Commerce, email=cpurvis@doc.gov, cn=US  Date: 2015.12.10 16:19:07 -05'00'</small></p>