

Element Performance Inspection (EPI) Data Collection Tool

5.1.2 Weather Reporting / SAWRS (AW)

ELEMENT SUMMARY INFORMATION

Purpose of this Element (certificate holder's responsibility):

- For the certificate holder to comply with the requirements of the Weather Reporting/SAWRS process and to perform their duties and responsibilities to a high degree of safety.

Objective (FAA oversight):

- To determine the effectiveness of the certificate holder's procedures in meeting the desired output of the process.
- To determine if the certificate holder follows its procedures, controls, process measurements, and interfaces for the Weather Reporting/SAWRS process.
- To determine if there were any changes in the personnel identified by the certificate holder as having responsibility and/or authority for the Weather Reporting/SAWRS process.

Specific Instructions:

- To accomplish this EPI, the inspector shall verify the certificate holder's policies and procedures for Weather Reporting/SAWRS are followed. The inspector shall verify that Weather Reporting/SAWRS personnel are trained and qualified. The inspector shall verify records of calibration are kept and the Weather Reporting/SAWRS station is calibrated and current, at the inspection location.

Related EPIs:

- 1.3.14 General Maintenance Manual / Equivalent (AW)
- 4.2.1 Maintenance Training Program (AW)
- 5.1.1 Line Stations (AW)

SUPPLEMENTAL INFORMATION

Specific Regulatory Requirements (SRRs):

- SRRs:
 - 121.101(a)
 - 121.119(a)
 - 121.135(a)(1)
 - 121.135(b)(1)
 - 121.135(b)(2)
 - 121.135(b)(3)

Related CFRs & FAA Policy/Guidance:

- Related CFRs:
Intentionally left blank
- FAA Policy/Guidance:

- FAA Policy/Guidance:
FAA Order 8900.1 Vol 6, Ch 11, Sec 18

EPI Section 1 - Performance Observables

Objective: The tasks and questions in this section of the data collection tool (DCT) are designed to assist the inspector in determining if the certificate holder follows its written procedures and controls and meets the established performance measures of the process. To accomplish this, questions have been generated to test both the outputs of the process as well as the process itself. Question 1 and its following subquestions are directed at the output(s) of the process, whereas questions 2-6, when answered, should be directed at the process itself.

Tasks

	To meet this objective, the inspector must accomplish the following tasks:
1.	Review the information listed in the Supplemental Information section of this DCT.
2.	Review the policies, procedures, instructions, and information for the Weather Reporting/SAWRS process.
3.	Review the last accomplished associated safety attribute inspection (SAI) for this element with emphasis on the controls, process measurements, and interface attribute section responses.
4.	Observe the Weather Reporting/SAWRS process to gain an understanding of the procedures, instructions, and information.
5.	Discuss the Weather Reporting/SAWRS process with the personnel (other than management) who perform the duties and responsibilities required by the process.

Questions

	To meet this objective, the inspector must answer the following questions:	
1.	Determine whether the following performance measures were met:	
1.1.	Does the dispatcher/flight follower provide current, approved weather reporting while conducting nonscheduled passenger/all-cargo operations?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.2.	Does the pilot receive current, approved weather reporting while conducting nonscheduled passenger/all-cargo operations?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.3.	Does the SAWRS station provide current, approved weather reporting while conducting nonscheduled passenger/all-cargo operations?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.4.	Does the dispatcher/flight follower provide sufficient weather reports along the route of operation?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.5.	Does the SAWRS station maintain approval by the U.S. National Weather Service?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.6.	Does the flight crew use only weather reports approved by the U.S. National Weather Service?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.7.	Does the dispatch/flight follower use only weather reports approved by the U.S. National Weather Service?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.8.	Does the flight crew use only weather reports approved by the Administrator?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
1.9.	Does the dispatcher/flight follower use only weather reports approved by the	<input type="checkbox"/> Yes

	Administrator?	<input type="checkbox"/> No, Explain
1.10.	Does the SAWRS station provide reports of adverse weather phenomena?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.11.	Does the dispatch/flight follower use only weather reports approved by the Administrator for operations at U.S. military airports?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.12.	Does the flight crew use only weather reports approved by the Administrator for operations at U.S. military airports?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.13.	Does the SAWRS station perform tests in accordance with Appendix E of Part 43 on its aircraft-type altimeters?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.14.	Does the SAWRS station perform calibrations every 24 months on its aircraft-type altimeters?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.15.	Does the SAWRS station control environmental conditions to reduce induced errors?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.16.	Does the SAWRS station have proper venting for altimeters that use forced air systems?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.17.	Does the SAWRS station properly mount its altimeters in a box or rack in a reasonable, permanent location?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.18.	Does the SAWRS station properly mount and mark its altimeters at a known height?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.19.	Are the SAWRS station personnel properly trained and qualified?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.20.	Does the SAWRS station maintain the equipment used to communicate to the pilot?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.21.	Does the certificate holder maintain training records for personnel at non-federal weather reporting facilities?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
1.22.	Does the certificate holder ensure that non-federal weather reporting facilities are maintained in accordance with its policies and procedures?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> Not Applicable
2.	Were the certificate holder's policies, procedures, instructions, and information for the Weather Reporting/SAWRS process followed?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
3.	Were the Weather Reporting/SAWRS process controls followed?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
4.	Did the records for the Weather Reporting/SAWRS process comply with the instructions provided by the certificate holder?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

5.	Were the process measurements for the Weather Reporting/SAWRS process effective in identifying problems or potential problems and providing corrective action for them?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain
6.	Did personnel properly handle the associated interfaces by complying with other written policies, procedures, instructions, and information that are related to this element?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain

EPI Section 1 - Performance Observables Drop-Down Menu	
1.	Personnel.
2.	Tools and Equipment.
3.	Technical Data.
4.	Procedures, policies or instructions or information.
5.	Materials.
6.	Facilities.
7.	Controls.
8.	Process Measures.
9.	Interfaces.
10.	Desired Outcome.
11.	Other.

EPI Section 2 - Management Responsibility & Authority Observables

Objective: The questions in this section address the responsibility and authority of the process. They are designed to assist the inspector in determining if there is a clearly identifiable, qualified, and knowledgeable person who is responsible for the process, is answerable for the quality of the process, and has the authority to establish and modify the process. (The person with the authority may or may not be the person with the responsibility.)

Tasks

	To meet this objective, the inspector must accomplish the following tasks:
	NOTE: If no personnel or major program changes (as defined by the principal inspector (PI)) affecting the responsibility or authority attributes for this element have occurred since the last SAI and/or EPI was accomplished, then do not perform tasks 3-6. Answer questions 1 and 2, below, and provide the name/title.
1.	Identify the person who has overall responsibility for the Weather Reporting/SAWRS process.
2.	Identify the person who has overall authority for the Weather Reporting/SAWRS process.
3.	Review the duties and responsibilities for the person(s) who manage the Weather Reporting/SAWRS process.
4.	Review the appropriate organizational chart.
5.	Discuss the Weather Reporting/SAWRS process with the management personnel identified in tasks 1 and 2.
6.	Evaluate the qualifications and work experience of the management personnel identified in tasks 1 and 2.

Questions

	To meet this objective, the inspector must answer the following questions:	
1.	Is there a clearly identified person who is responsible for the quality of the Weather Reporting/SAWRS process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title:
2.	Is there a clearly identified person who has authority to establish and modify the certificate holder's policies, procedures, instructions, and information for the Weather Reporting/SAWRS process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain Name/Title:
3.	Does the responsible person know that he/she has responsibility for the Weather Reporting/SAWRS process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
4.	Does the person with authority know that he/she has authority for the Weather Reporting/SAWRS process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
5.	Does the person with responsibility for the Weather Reporting / SAWRS process meet the qualification standards?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
6.	Does the person with authority to establish and modify the Weather Reporting / SAWRS process meet the qualification standards?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change

7.	Does the person with responsibility understand the controls, process measurements, and interfaces, associated with the Weather Reporting/SAWRS process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
8.	Does the person with authority understand the controls, process measurements, and interfaces, associated with the Weather Reporting/SAWRS process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
9.	Does the responsible person know who has authority to establish and modify the Weather Reporting/SAWRS process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change
10.	Does the individual with authority know who has the responsibility for the Weather Reporting/SAWRS process?	<input type="checkbox"/> Yes <input type="checkbox"/> No, Explain <input type="checkbox"/> No Change

EPI Section 2 - Management Responsibility & Authority Observables Drop-Down Menu	
1.	Assignment of responsibility.
2.	Assignment of authority.
3.	Does not understand procedures, policies or instructions and information.
4.	Does not understand controls.
5.	Does not understand process measurements.
6.	Does not understand interfaces.
7.	Span of control.
8.	Position vacant.
9.	Other.