

Type Certified Non-Federal AWOS Systems

Non-Federal AWOS System Definitions ¹	Certified Data ²	All Weather, Inc.	Belfort Instrument Co.	Potomac Aviation Technology Corp.	Vaisala Inc. ⁴
AWOS A	Altimeter setting	X	X	X	X
AWOS A / V	Altimeter setting, visibility	X ⁵	X	X	
AWOS I	Wind speed, wind direction, wind gust, variable wind direction, temperature, dew point, altimeter setting, and density altitude	X			X
AWOS II	Same as AWOS I plus visibility, and variable visibility	X			X
AWOS III ³	Same as AWOS I plus visibility, variable visibility, cloud height, and sky condition	X			X
AWOS III P ³	Same as AWOS III plus present weather identification	X			X
AWOS III T ³	Same as AWOS III plus thunderstorm/lightning reporting	X			X
AWOS III P/T ³	Same as AWOS III plus present weather identification and thunderstorm/lightning reporting	X			X
AWOS III P/T/Z ³	Same as AWOS III plus present weather identification, thunderstorm/lightning reporting, and freezing rain detection	X			X
AWOS IV ³	Same as AWOS III plus present weather identification, thunderstorm/lightning reporting, freezing rain detection, and runway condition detection				X

Notes:

1. These system definitions are based on information found in the current revision of FAA Advisory Circular (AC) 150/5220-16, Automated Weather Observing Systems (AWOS) For Non-Federal Applications.
2. In addition to providing the identified certified information, AWOS systems may also provide additional, uncertified ("Advisory") information.
 - Advisory weather parameters are not verified or certified by the FAA.
 - Any uncertified weather information (measured or calculated) is advisory and must be preceded by the word, "Advisory" in all automated verbal transmissions (radio or phone line). Displayed, logged, archived, and printed weather information must clearly identify all uncertified weather information as advisory.
 - Advisory sensors may or may not be sited in accordance with the criteria found in Order 6560.20, Siting Criteria for Automated Weather Observing Systems (AWOS).
 - Advisory parameters may or may not adhere to the criteria (definitions, accuracy, reliability, etc.) identified in FAA Advisory Circular 150/5220-16.
3. In accordance with the current version of FAA Advisory Circular 150/5220-16, only Non-Federal AWOS systems meeting the AWOS III (or better) criteria may be eligible for dissemination of certified weather information nationally. Please refer to the advisory circular as additional criteria do apply.
4. A waiver to Buy American Preference Requirements on AIP projects through December, 2012 was issued to Vaisala for AWOS I, II, III and above on December 27, 2007. All Vaisala AWOS III or above may include runway condition sensors. (The Vaisala AWOS A is type certified, however it is not included in the waiver.)
5. The All Weather Inc. AWOS-II is type certified to provide AWOS-A/V information (altimeter setting and visibility).

This information is current as of April 27, 2010.