

## Engineering Brief # 52

Subject: INFORMATION : Engineering Brief No. 52  
Approved AWOS Equipment

DATE: November 4, 1994

FROM: Manager, Engineering and Specifications  
Division, AAS-200

TO: All Regions  
Attn: Manager, Airports Division and AMA-600

Engineering Brief No. 52 provides information on AWOS equipment eligible for funding under the Airport Improvement Program.

Since Advisory Circular 150/5345-1U, Approved Lighting Equipment, is no longer maintained by this office this engineering brief will serve as an interim vehicle for listing this equipment.

Original Signed by  
Richard J. Worch

### ENGINEERING BRIEF NO. 52 APPROVED AWOS EQUIPMENT

Until December 31, 1989 the Airport Lighting Approval Program, was administered by AAS-200. Under this program the FAA inspected equipment to confirm that it met FAA standards and to ensure quality control. A listing of approved equipment was maintained in Advisory Circular 150/5345-1U, Approved Airport Equipment. The program was discontinued as of December 31, 1989, as a result of declining resources, and the listing of equipment in AC 150/5345-1U was no longer maintained.

A new program, the Airport Lighting Equipment Certification Program, was established as of July 15, 1994. Under this program airport lighting equipment is certified by third party certification bodies. A listing of certified equipment is maintained by this office in AC 150/5345-53, Airport Lighting Equipment Certification Program. This list is provided to assist airport sponsors in determining that equipment meets the applicable FAA standards, and is, therefore, eligible for funding under the Airport Improvement Program (AIP). As a result of the certification program, AC 150/5345-1U will be cancelled, effective July 15, 1995.

The FAA standard for AWOS is contained in AC 150/5220-16A, Automated Weather Observing Systems for Non-Federal Applications, issued by the Weather Sensors Engineering Division, ANW-700. Upon completion of all the requirements set forth in the AC, that office grants approval to the system. Consequently, AWOS

equipment was not included in the airport lighting equipment certification program. However, equipment such as AWOS, listed in Order 5100.38, Airport Improvement Program (AIP) Handbook, and approved by ANW, is eligible for funding under the AIP.

We are currently working within the agency to determine the appropriate vehicle for listing AIP eligible AWOS equipment which has been approved by the FAA. In the interim, AAS will maintain a listing of such equipment in Appendix 1 of this engineering brief.

Richard J. Worch  
Civil Engineer

APPENDIX 1 - FAA APPROVED  
AUTOMATIC WEATHER OBSERVING SYSTEMS (AWOS)

Manufacturer	Type	Configuration Identification
ARTAIS	AWOS-I	WEATHER CHECK V-I-B
	AWOS-II	WEATHER CHECK V-1-A
		WEATHER CHECK V-2-B
	AWOS-III	WEATHER CHECK V-3-A
		WEATHER CHECK V-3-B
HANDAR, Inc.	AWOS-I	HANDAR AWOS-I-I
	AWOS-II	HANDAR AWOS-II-2
	AWOS-III	HANDAR AWOS-IIIA-I; AWOS IIIB-I HANDAR AWOS-IIIA-2; AWOS IIIB-2
QUALIMETRICS	AWOS-I	120-A, 120-B, 130-A, 130-B 210, 220, 230
	AWOS-II	121-A, 121-B, 131-A, 131-B 211, 221, 231
	AWOS-III	123-A, 123-B, 133-A, 133-B 213, 223, 233
AAI SYSTEMS MANAGEMENT INC.	AWOS-III	AWOS 3500 AWOS 3500S