


AIRPORT SAFETY AND MAINTENANCE WORKSHOP

EXCERPT FROM FAA ADVISORY CIRCULAR 150/5200-18C “Airport Safety Self-Inspection”

The following handout pages from this Advisory Circular (AC) are provided for your reference. Workshop participants are encouraged to download and review the complete AC from the FAA website at www.faa.gov/airports/resources/advisory_circulars. At the website, Search for AC No: **150/5200-18C**.



U.S. Department
of Transportation
**Federal Aviation
Administration**

Advisory Circular

Subject: AIRPORT SAFETY
SELF-INSPECTION

Date: 04/23/04 **AC No:** 150/5200-18C
Initiated by: AAS-300 **Change:**

1. **PURPOSE.** This Advisory Circular (AC) provides information to airport operators on airport self-inspection programs and identifies items that airport operators should include in such a program.
2. **FOCUS.** Development of a self-inspection program in accordance with this AC represents an acceptable means of compliance with the 14 Code of Federal Regulations (CFR) Part 139 (Part 139) requirements.
3. **CANCELLATION.** Advisory Circular 150/5200-18B, Airport Safety Self-Inspection, dated 5/2/88, is cancelled.
4. **RELATED READING MATERIAL.**
 - a. **14 CFR Part 139, Certification of Airports.** While Part 139 requirements are mandatory for a holder of a Part 139 Airport Operating Certificate, the regulation contains many safety practices that the Federal Aviation Administration recommends for use at all airports.
 - b. 14 CFR Part 77, Objects Affecting Navigable Airspace.
 - c. Current editions of the following advisory circulars:
 - (1) AC 150/5200-33, Hazardous Wildlife Attractants on or near Airports
 - (2) AC 150/5210-21, Airport Certification Manual (ACM). This reference is pertinent for certificated airports only.
 - (3) AC 150/5210-20, Ground Vehicle Operations on Airports.
 - (4) AC 150/5200-28, Notices to Airmen (NOTAMs) for Airport Operators.
 - (5) AC 150/5200-30, Airport Winter Safety and Operations.
 - (6) AC 150/5210-5, Painting, Marking, and Lighting of Vehicles Used on an Airport.
 - (7) AC 150/5230-4, Aircraft Fuel Storage, Handling, and Dispensing on Airports.
 - (8) AC 150/5300-13, Airport Design.
 - (9) AC 150/5340-1, Standards for Airport Markings.
 - (10) AC 150/5340-18, Standards for Airport Sign Systems.
 - (11) AC 150/5340-21, Airport Miscellaneous Lighting Visual Aids.
 - (12) AC 150/5340-24, Runway and Taxiway Edge Lighting System.

APPENDICES 1–4**SUGGESTED AIRPORT SAFETY SELF-INSPECTION CHECKLISTS**

An airport safety self-inspection checklist should cover the condition of the facilities and equipment on the airport for it to be a part of a good safety inspection program. The checklist should be developed so that it is useful for the airport and its operation. A sketch of the airport is highly recommended to readily identify the location of problems found during the daily inspection.

The suggested checklists consist of a listing of facilities and equipment and a series of conditions that are inspected.

The blank squares indicate the conditions to be evaluated for each facility. A check (✓) in one of these squares would indicate that the condition of the facility and equipment was found to be satisfactory. On the other hand, an “x” in one of these squares would indicate that the condition of the facility and equipment was found to be unsatisfactory.

When an unsatisfactory condition is found:

1. An “x” for each applicable square should be entered;
2. A note provided in the Remark/Action Taken section;
3. The location of the condition should be identified in the airport sketch; and
4. Appropriate follow-up action including NOTAMs should be initiated. Corrective action should be documented on either the self-inspection checklists or on a separate work order system.

These checklists are ideal for electronic conversion to PDAs and laptop computers.

**APPENDIX 1
AIRPORT SAFETY SELF-INSPECTION CHECKLIST**

DATE: _____ DAY: _____

✓ Satisfactory
X Unsatisfactory

Day Inspector/Time: _____ Night Inspector/Time: _____

FACILITIES	CONDITIONS	D	N	REMARKS	RESOLVED BY (Date/Initials)
Pavement Areas	Pavement lips over 3"				
	Hole – 5" diam. 3" deep				
	Cracks/spalling/heaves				
	FOD: gravel/debris/sand				
	Rubber deposits				
	Ponding/edge dams				
Safety Areas	Ruts/humps/erosion				
	Drainage/construction				
	Support equipment/aircraft				
	Frangible bases				
	Unauthorized objects				
Markings	Clearly visible/standard				
	Runway markings				
	Taxiway markings				
	Holding position markings				
	Glass beads				
Signs	Standard/meet Sign Plan				
	Obscured/operable				
	Damaged/retroreflective				

FACILITIES	CONDITIONS	D	N	REMARKS	RESOLVED BY (Date/Initials)
Lighting	Obscured/dirty/operable				
	Damaged/missing				
	Faulty aim/adjustment				
	Runway lighting				
	Taxiway lighting				
	Pilot control lighting				
Navigational Aids	Rotating beacon operable				
	Wind indicators				
	RENs/VGSI systems				
Obstructions	Obstruction lights operable				
	Cranes/trees				
Fueling Operations	Fencing/gates/signs				
	Fuel marking/labeling				
	Fire extinguishers				
	Frayed wires				
	Fuel leaks/vegetation				
Snow & Ice	Surface conditions				
	Snowbank clearances				
	Lights & signs obscured				
	NAVAIDs				
	Fire access				

FACILITIES	CONDITIONS	D	N	REMARKS	RESOLVED BY (Date/Initials)
Construction	Barricades/lights				
	Equipment parking				
	Material stockpiles				
	Confusing signs/markings				
Aircraft Rescue and Fire Fighting	Equipment/crew availability				
	Communications/alarms				
	Response routes affected				
Public Protection	Fencing/gates/signs				
	Jet blast problems				
Wildlife Hazards	Wildlife present/location				
	Complying with WHMP				
	Dead birds				

Comments/Remarks: _____

Airfield Map on Reverse Side

