

Modification of Standards (MOS) Update

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Modification of Standards (MOS)

Any deviation from, or addition to standards, applicable to airport design, material, and construction standards, or equipment projects resulting in an acceptable level of safety, useful life, lower costs, greater efficiency, or the need to accommodate an unusual local condition on a specific project through approval on a case-by-case basis.

An approved MOS does not constitute an exemption from Title 14, Code of Federal Regulations (CFR), Parts 139 or 77.



Federal Aviation Administration

MOS

- **Draft FAA Order 5300-1G, *Modifications to Agency Airport Design, Construction, and Equipment Standards***
- **Purpose**
 - Establish a process for the initiation, revision, and coordination of MOS
 - Foundation of a web-based automated application of MOS tool
 - Workflow facilitated within Airports Geographic Information System (AGIS)



MOS

- **Benefit of Automation Process**
 - Streamline the timeline / process
 - Automatic notifications to concerned parties
 - Ability to archive MOS by categories to understand trends



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

National Policy

**ORDER
NUMBER
5300.1G**

Effective Date:
DRAFT 9/21/15

SUBJ: Modifications to Agency Airport Design, Construction, and Equipment Standards



MOS

- **The Order also:**
 - Establishes approval levels based on MOS category
 - Appendix A list all sub categories, responsible office and type of MOS that are not applicable
 - Sets duration of most MOS Approvals at **5 years**.
 - MOS on construction material are approved for the life of the project

Appendix A
U.S. Department of Transportation
Federal Aviation Administration

MODIFICATIONS OF AIRPORT DESIGN, CONSTRUCTION, AND EQUIPMENT STANDARDS

This table lists MOS categories and subcategories. An "X" in each cell indicates whether AEP regions or headquarters can approve each type of MOS or whether a MOS is applicable. This Appendix is not all inclusive, and is subject to the discretion of the Director of Airport Safety and Standards based on specific needs in a MOS subarea.

Category	Sub Category	AEP Region	AEP HC	MOS Not Applicable
Airport Equipment Standards	Painting, Marking and Lighting of Surfaces on the ADA		X	
Airport Equipment Standards	Design Specifications for Snow Removal, Aircraft Rescue & Fire Fighting and other equipment		X	
Airport Equipment Standards	Installation and Acceptance Standards for Snow Temperature Sensors, Foreign Object Detection and other equipment		X	
Airport Equipment Standards	Operational Performance Standards for Snow Removal and Aircraft Rescue & Fire Fighting equipment		X	
Airport Equipment Standards	Other		X	
ATIS Facility	Automated Voiceless Systems - AWP/AVOS/AVOS		X	
ATIS Facility	Manual Voice Range		X	
Design	Build-Pull-Operate	X		
Design	Clearance			X
Design	Decontrol Outcomes			X
Design	Enviromental Planning (EAP)		X	
Design	Full Length Parallel Taxiway Intersections - Taxiway Curves and Intersections, including 90-degree turns	X		
Design	Non-Traditional Approaches - Windows to TERPS		X	
Design	Obstacle Free Zone (OFZ) - TERPS Obstacle Height		X	
Design	Runway End Safety Improvements		X	
Design	Runway Hold Position - Marking		X	
Design	Runway Hold Position - Obstacle Clearance		X	
Design	Runway Object Free Area (OCA)	X		
Design	Runway or Taxiway Width	X		
Design	Runway Protection Zone (RPZ)			X



Federal Aviation Administration

MOS

- **Availability - Scheduled**
 - April – Internal User Acceptance Testing (UAT)
 - MOS Order 5300.1G signed: April 28th, 2017
 - MOS automation tool accessible
 - Manual MOS processing per 5300.1G is still acceptable
 - MOS submissions after October 1st, 2017 must use the automation tool
- **Training**
 - Familiarity webinars will be offered prior to October 2016.
 - Walk users thru the MOS tool workflow
 - Highlight main elements of the order
 - Offered to external and internal users



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Questions?

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