

**Federal Aviation Administration
Central Region**

**CHECKLIST FOR
MASTER PLAN and AIRPORT LAYOUT PLAN (ALP)
(REVISED May, 2011*)**

This document is available at http://www.faa.gov/airports/central/planning_capacity/
Users requiring assistance or reasonable accommodation may contact the FAA Central Region at 816-329-2600

Location: _____

Airport: _____

Prepared By: _____

Prepared Date: _____

Reviewed By: _____

Reviewed Date: _____

APPLICABLE ADVISORY CIRCULARS:

[Airport Master Plan, AC 150/5070-6](#)

[Airport Design, AC 150/5300-13, Changes 1 through 16](#)

CRITICAL DESIGN AIRCRAFT OR FAMILY OF AIRCRAFT:

Existing: Make: _____	Model: _____	Annual Itinerant Operations: _____	
Ultimate: Make: _____	Model: _____	Annual Itinerant Operations: _____	Forecast Year: _____

Airport Reference Code (ARC): _____ - _____

Desired Approach Minimums:

Rw end _____	Minimum _____	/	Rw end _____	Minimum _____
Rw end _____	Minimum _____	/	Rw end _____	Minimum _____
Rw end _____	Minimum _____	/	Rw end _____	Minimum _____
Rw end _____	Minimum _____	/	Rw end _____	Minimum _____

AIRPORT LAYOUT PLAN COMPONENTS	Included		Remarks
	Yes	No	
Report(Narrative or Master Plan)	<input type="checkbox"/>	<input type="checkbox"/>	
Airport Layout Drawing	<input type="checkbox"/>	<input type="checkbox"/>	
Airport Airspace Drawing	<input type="checkbox"/>	<input type="checkbox"/>	
Inner Portion of the Approach Surface Drawing	<input type="checkbox"/>	<input type="checkbox"/>	
Terminal Area Drawing	<input type="checkbox"/>	<input type="checkbox"/>	
Land Use Drawing	<input type="checkbox"/>	<input type="checkbox"/>	
Airport Property Map	<input type="checkbox"/>	<input type="checkbox"/>	
Airport Departure Surfaces	<input type="checkbox"/>	<input type="checkbox"/>	

*Changes are shown with underlined italics.

**I. REPORT
DATE _____**

Report type:
 Master Plan
 ALP Narrative Report

	<u>Included</u>		<u>Remarks</u>
	<u>Yes</u>	<u>No</u>	
FORECAST AVIATION DEMAND			
Current, 5 yrs, 10 yrs, 20 yrs	<input type="checkbox"/>	<input type="checkbox"/>	
Local Operations	<input type="checkbox"/>	<input type="checkbox"/>	
Annual Itinerant Operations	<input type="checkbox"/>	<input type="checkbox"/>	
All Aircraft	<input type="checkbox"/>	<input type="checkbox"/>	
Current Design Aircraft or Family of Aircraft	<input type="checkbox"/>	<input type="checkbox"/>	
Ultimate Design Aircraft or Family of Aircraft	<input type="checkbox"/>	<input type="checkbox"/>	
Total Annual Operations	<input type="checkbox"/>	<input type="checkbox"/>	
Based Aircraft	<input type="checkbox"/>	<input type="checkbox"/>	
Annual Instrument Approaches (AIA)	<input type="checkbox"/>	<input type="checkbox"/>	
Enplaned Passengers (Commercial Service Locations Only)	<input type="checkbox"/>	<input type="checkbox"/>	
Design Aircraft (Current)	<input type="checkbox"/>	<input type="checkbox"/>	
Design Aircraft (Ultimate)	<input type="checkbox"/>	<input type="checkbox"/>	
STAGE DEVELOPMENT			
Drawings, Schedules, Project Costs	<input type="checkbox"/>	<input type="checkbox"/>	
COORDINATION			
Highways, Planning Agencies, etc.	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS:

II. AIRPORT LAYOUT DRAWING

DATE _____

"An airport layout plan (ALP) is a graphic presentation to scale of existing and ultimate airport facilities, their location on the airport and the pertinent clearance and dimensional information required to show relationships with applicable standards."

	<u>Included</u>		
	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
SHEET SIZE			
22" X 34" (ANSI D) minimum	<input type="checkbox"/>	<input type="checkbox"/>	
SCALE			
1" = 200' to 1" = 600'	<input type="checkbox"/>	<input type="checkbox"/>	
NORTH POINT & DATUM REFERENCES			
True & Magnetic Declination & Epoch Year	<input type="checkbox"/>	<input type="checkbox"/>	
NAD 83 (horizontal coordinates)	<input type="checkbox"/>	<input type="checkbox"/>	
NAVD 88 (MSL elevations)	<input type="checkbox"/>	<input type="checkbox"/>	
WIND ROSE			
Source & Time Period (latest 10-year period, using 36-points)	<input type="checkbox"/>	<input type="checkbox"/>	
Individual & Combined Coverage:	<input type="checkbox"/>	<input type="checkbox"/>	
10.5 Knots	<input type="checkbox"/>	<input type="checkbox"/>	
13 Knots	<input type="checkbox"/>	<input type="checkbox"/>	
16 Knots	<input type="checkbox"/>	<input type="checkbox"/>	
20 Knots	<input type="checkbox"/>	<input type="checkbox"/>	
AIRPORT REFERENCE POINT (ARP)			
Existing and Ultimate with Airport Elevation to the nearest 0.1 of a foot and Latitudes and Longitudes to nearest second	<input type="checkbox"/>	<input type="checkbox"/>	
TOPOGRAPHIC INFORMATION			
Contours 2' to 10'	<input type="checkbox"/>	<input type="checkbox"/>	
ELEVATIONS			
Runway Ends (nearest 0.1 ft, exist & ult)	<input type="checkbox"/>	<input type="checkbox"/>	
Displaced thresholds (if any)	<input type="checkbox"/>	<input type="checkbox"/>	
Runway Intersections	<input type="checkbox"/>	<input type="checkbox"/>	
Runway High and Low Points	<input type="checkbox"/>	<input type="checkbox"/>	
Roadways & Railroads at points where they intersect	<input type="checkbox"/>	<input type="checkbox"/>	
Approach Surfaces and runway centerline extended	<input type="checkbox"/>	<input type="checkbox"/>	
Structures on Airport (if no Terminal Area Drawing)	<input type="checkbox"/>	<input type="checkbox"/>	

II. ALP (CONT'D)

	<u>Included</u>		<u>Remarks</u>
	<u>Yes</u>	<u>No</u>	
LINES			
ILS/MLS Critical Areas (GS & LOC)	<input type="checkbox"/>	<input type="checkbox"/>	
Building Restriction Lines (BRL)	<input type="checkbox"/>	<input type="checkbox"/>	
Building Height for BRL	<input type="checkbox"/>	<input type="checkbox"/>	
Property Lines (exist & ult)	<input type="checkbox"/>	<input type="checkbox"/>	
Section Corners	<input type="checkbox"/>	<input type="checkbox"/>	
Survey Monuments (PACS/SACS)	<input type="checkbox"/>	<input type="checkbox"/>	
Runway Visibility Zones	<input type="checkbox"/>	<input type="checkbox"/>	
RUNWAY DETAILS			
Length and Width (exist & ult)	<input type="checkbox"/>	<input type="checkbox"/>	
End Numbers	<input type="checkbox"/>	<input type="checkbox"/>	
True Bearing (nearest .01 degree)	<input type="checkbox"/>	<input type="checkbox"/>	
Markings	<input type="checkbox"/>	<input type="checkbox"/>	
End Coordinates (nearest .01 sec)	<input type="checkbox"/>	<input type="checkbox"/>	
Lighting Symbols(threshold only, exist & ult)	<input type="checkbox"/>	<input type="checkbox"/>	
Clearways & Stopways/Overruns	<input type="checkbox"/>	<input type="checkbox"/>	
Safety Areas (include dimensions)	<input type="checkbox"/>	<input type="checkbox"/>	
TAXIWAY DETAILS			
Width	<input type="checkbox"/>	<input type="checkbox"/>	
Clearance to Runway	<input type="checkbox"/>	<input type="checkbox"/>	
Clearance to Aircraft Parking	<input type="checkbox"/>	<input type="checkbox"/>	
Clearance to Objects	<input type="checkbox"/>	<input type="checkbox"/>	
Hold Position signage/markings	<input type="checkbox"/>	<input type="checkbox"/>	
APRON			
Location	<input type="checkbox"/>	<input type="checkbox"/>	
Aircraft Parking	<input type="checkbox"/>	<input type="checkbox"/>	
RUNWAY PROTECTION ZONES			
Dimensions (exist & ult)	<input type="checkbox"/>	<input type="checkbox"/>	
Type of Ownership (Fee or Easement)	<input type="checkbox"/>	<input type="checkbox"/>	
APPROACHES			
Approach Surface Slope & Type (exist & ult)	<input type="checkbox"/>	<input type="checkbox"/>	
TITLE AND REVISION BLOCK			
	<input type="checkbox"/>	<input type="checkbox"/>	
FAA Disclaimer			
	<input type="checkbox"/>	<input type="checkbox"/>	
APPROVAL BLOCK (SPONSOR ONLY)			
	<input type="checkbox"/>	<input type="checkbox"/>	
AIRPORT DATA TABLE			
Airport Elevation (nearest 0.1 ft)	<input type="checkbox"/>	<input type="checkbox"/>	
ARP Coordinates (nearest second)	<input type="checkbox"/>	<input type="checkbox"/>	
Airport Electronic Aids (NDB/VOR/Beacon)	<input type="checkbox"/>	<input type="checkbox"/>	
Mean Max Temp. (Hottest Month)	<input type="checkbox"/>	<input type="checkbox"/>	
Airport Reference Code (ARC)	<input type="checkbox"/>	<input type="checkbox"/>	
Critical Design Aircraft (existing & ult)	<input type="checkbox"/>	<input type="checkbox"/>	

II. ALP (CONT'D)

	<u>Included</u>		<u>Remarks</u>
	<u>Yes</u>	<u>No</u>	
BUILDING TABLE (See ALP Guidance)	<input type="checkbox"/>	<input type="checkbox"/>	
LEGEND TABLE	<input type="checkbox"/>	<input type="checkbox"/>	
RUNWAY DATA TABLE (existing & ultimate)	<input type="checkbox"/>	<input type="checkbox"/>	
Approach Category and Design Group	<input type="checkbox"/>	<input type="checkbox"/>	
Runway (length/width)	<input type="checkbox"/>	<input type="checkbox"/>	
Percent effective gradient (max)	<input type="checkbox"/>	<input type="checkbox"/>	
Percent wind coverage	<input type="checkbox"/>	<input type="checkbox"/>	
Runway Lighting (LIRL, MIRL, HIRL)	<input type="checkbox"/>	<input type="checkbox"/>	
Runway Marking (B, NP, or P)	<input type="checkbox"/>	<input type="checkbox"/>	
Pavement Material	<input type="checkbox"/>	<input type="checkbox"/>	
Pavement Design Strength (exist & ult critical aircraft) (#lbs – S, D, DT, DDT)	<input type="checkbox"/>	<input type="checkbox"/>	
Runway Safety Area (length/width)	<input type="checkbox"/>	<input type="checkbox"/>	
Object Free Area (length/width)	<input type="checkbox"/>	<input type="checkbox"/>	
Obstacle Free Zone (length/width)	<input type="checkbox"/>	<input type="checkbox"/>	
Taxiway Width	<input type="checkbox"/>	<input type="checkbox"/>	
Taxiway Lighting	<input type="checkbox"/>	<input type="checkbox"/>	
For each runway end (exist & ult)			
Approach Surface Slope	<input type="checkbox"/>	<input type="checkbox"/>	
Electronic Aids (Localizer, Glide Slope, etc)	<input type="checkbox"/>	<input type="checkbox"/>	
Visual Aids (REIL, VGSI, etc)	<input type="checkbox"/>	<input type="checkbox"/>	
Approach Visibility Minimums (V, 1 mile, 3/4 mile, 1/2 mile, CAT II, or CAT III)	<input type="checkbox"/>	<input type="checkbox"/>	
Part 77 Approach Use Type	<input type="checkbox"/>	<input type="checkbox"/>	
Aeronautical Survey Type Required for Approach	<input type="checkbox"/>	<input type="checkbox"/>	
Touchdown Zone Elevation (TDZE) (highest runway elevation within first 3,000 ft)	<input type="checkbox"/>	<input type="checkbox"/>	
Takeoff Run Available (TORA)	<input type="checkbox"/>	<input type="checkbox"/>	
Takeoff Distance Available (TODA)	<input type="checkbox"/>	<input type="checkbox"/>	
Accelerate Stop Distance Available	<input type="checkbox"/>	<input type="checkbox"/>	
Landing Distance Available (LDA)	<input type="checkbox"/>	<input type="checkbox"/>	
MODIFICATION TO AIRPORT DESIGN			
STANDARDS TABLE			
Approval Date, Airspace Case No., Standard Modified, Description	<input type="checkbox"/>	<input type="checkbox"/>	
If No Standard Modified, State "None Required"	<input type="checkbox"/>	<input type="checkbox"/>	
OBSTACLE FREE ZONE (OFZ) OBJECT			
PENETRATIONS TABLE			
If none, State "No OFZ Penetrations"	<input type="checkbox"/>	<input type="checkbox"/>	
THRESHOLD SITING SURFACE (TSS) OBJECT			
PENETRATIONS TABLE			
If None, State "No TSS penetrations"	<input type="checkbox"/>	<input type="checkbox"/>	
ADDITIONAL COMMENTS			
<hr/>			

III. AIRPORT AIRSPACE DRAWING

	<u>Included</u>		<u>Remarks</u>
	<u>Yes</u>	<u>No</u>	
PLAN VIEW			
USGS 7 1/2 Minute Quad.	<input type="checkbox"/>	<input type="checkbox"/>	
Runway Numbers (ultimate)	<input type="checkbox"/>	<input type="checkbox"/>	
Part 77 Imaginary Surfaces	<input type="checkbox"/>	<input type="checkbox"/>	
Elevation Contours (even 50' intervals on sloping surfaces)	<input type="checkbox"/>	<input type="checkbox"/>	
Scale (1" = 2000'- 3000')	<input type="checkbox"/>	<input type="checkbox"/>	
Objects beyond RPZ	<input type="checkbox"/>	<input type="checkbox"/>	
APPROACH PROFILES (Existing and Ultimate)			
Composite ground profile along extended Runway Centerline (Scale 1" = 1000' H, 1" = 100' V for Visual & Non- Precision Runways, 1" = 2000' H, 1" = 200' V for ILS Runways)	<input type="checkbox"/>	<input type="checkbox"/>	
Significant Objects	<input type="checkbox"/>	<input type="checkbox"/>	
Top Elevation of Significant Objects	<input type="checkbox"/>	<input type="checkbox"/>	
Part 77 Approach Slope Profile	<input type="checkbox"/>	<input type="checkbox"/>	
OBSTRUCTION TABLE (Beyond Inner Approach Surface)			
Object Identification Number	<input type="checkbox"/>	<input type="checkbox"/>	
Object Elevation	<input type="checkbox"/>	<input type="checkbox"/>	
Description of Object	<input type="checkbox"/>	<input type="checkbox"/>	
Amount of Penetration	<input type="checkbox"/>	<input type="checkbox"/>	
Disposition of Object	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS:

IV. INNER PORTION OF THE APPROACH SURFACE DRAWING

	<u>Included</u>		<u>Remarks</u>
	<u>Yes</u>	<u>No</u>	
PLAN VIEW (Existing & Ultimate) (to 100' above runway elevation for the approach slope)			
Scale (1" = 200')	<input type="checkbox"/>	<input type="checkbox"/>	
Property Line	<input type="checkbox"/>	<input type="checkbox"/>	
Significant Objects Identified by Number	<input type="checkbox"/>	<input type="checkbox"/>	
Approach Surface	<input type="checkbox"/>	<input type="checkbox"/>	
Clearance over Roads, Railroads at Centerline & Edge of Approach Surface (Include Road/Railroad Elev.)	<input type="checkbox"/>	<input type="checkbox"/>	
Runway End Number and Elevation	<input type="checkbox"/>	<input type="checkbox"/>	
Ground Contours (light lines)	<input type="checkbox"/>	<input type="checkbox"/>	
Runway Safety Area	<input type="checkbox"/>	<input type="checkbox"/>	
Object Free Area	<input type="checkbox"/>	<input type="checkbox"/>	
Runway Protection Zone (RPZ)	<input type="checkbox"/>	<input type="checkbox"/>	
Precision Object Free Zone (POFZ)	<input type="checkbox"/>	<input type="checkbox"/>	

IV. INNER PORTION OF THE APPROACH SURFACE DRAWING (CONT'D)

	<u>Included</u>		<u>Remarks</u>
	<u>Yes</u>	<u>No</u>	
PROFILE VIEW			
Scale (1" = 200'H, 1" = 20'V)	<input type="checkbox"/>	<input type="checkbox"/>	
Terrain Along Extended Centerline of Runway (out to 100' above runway elevation for approach slope)	<input type="checkbox"/>	<input type="checkbox"/>	
Significant Objects	<input type="checkbox"/>	<input type="checkbox"/>	
Cross-Section of Roads & Railroads	<input type="checkbox"/>	<input type="checkbox"/>	
Objects Identified by Number (same as used on plan view)	<input type="checkbox"/>	<input type="checkbox"/>	
RUNWAY CENTERLINE PROFILE			
Scale (vertical sufficient to show line of sight req.)	<input type="checkbox"/>	<input type="checkbox"/>	
Elevations (stations and elevation at runway ends and at all points of grade change)	<input type="checkbox"/>	<input type="checkbox"/>	
OBSTRUCTION TABLE			
Separate Table for each Approach Surface	<input type="checkbox"/>	<input type="checkbox"/>	
Object Identification Number	<input type="checkbox"/>	<input type="checkbox"/>	
Object Elevation	<input type="checkbox"/>	<input type="checkbox"/>	
Description of Object	<input type="checkbox"/>	<input type="checkbox"/>	
Amount of Penetrations	<input type="checkbox"/>	<input type="checkbox"/>	
Disposition of Obstruction	<input type="checkbox"/>	<input type="checkbox"/>	
ADDITIONAL COMMENTS			

V. TERMINAL AREA DRAWING

	<u>Included</u>		<u>Remarks</u>
	<u>Yes</u>	<u>No</u>	
Scale (1" = 50' to 1" = 100')	<input type="checkbox"/>	<input type="checkbox"/>	
Property Line	<input type="checkbox"/>	<input type="checkbox"/>	
Building Restriction Line	<input type="checkbox"/>	<input type="checkbox"/>	
Apron	<input type="checkbox"/>	<input type="checkbox"/>	
Aircraft Parking	<input type="checkbox"/>	<input type="checkbox"/>	
T-Hangars	<input type="checkbox"/>	<input type="checkbox"/>	
Top Elevation of Structures	<input type="checkbox"/>	<input type="checkbox"/>	
Legend	<input type="checkbox"/>	<input type="checkbox"/>	
Building Identification Table	<input type="checkbox"/>	<input type="checkbox"/>	
Auto Parking Areas	<input type="checkbox"/>	<input type="checkbox"/>	
Entrance Road	<input type="checkbox"/>	<input type="checkbox"/>	
Clearance Dimensions between Runway, Taxiway, and Taxilane centerlines and hangars, buildings, aircraft parking, and other objects	<input type="checkbox"/>	<input type="checkbox"/>	
ADDITIONAL COMMENTS			

VI. LAND USE DRAWING

	<u>Included</u>		<u>Remarks</u>
	<u>Yes</u>	<u>No</u>	
Legend	<input type="checkbox"/>	<input type="checkbox"/>	
On-Airport Land Use (exist & ult)	<input type="checkbox"/>	<input type="checkbox"/>	
Off-Airport Land Use (exist & ult) to at least the 65 DNL Contour	<input type="checkbox"/>	<input type="checkbox"/>	
Public facilities	<input type="checkbox"/>	<input type="checkbox"/>	
Crop Restriction Lines	<input type="checkbox"/>	<input type="checkbox"/>	
Airport Property Lines	<input type="checkbox"/>	<input type="checkbox"/>	
Zoning Restrictions	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS

VII. AIRPORT PROPERTY MAP

	<u>Included</u>		<u>Remarks</u>
	<u>Yes</u>	<u>No</u>	
LEGEND	<input type="checkbox"/>	<input type="checkbox"/>	
DRAWING DETAILS			
Airport Features (exist & ult)	<input type="checkbox"/>	<input type="checkbox"/>	
Property Line (fee)	<input type="checkbox"/>	<input type="checkbox"/>	
Property Interest Areas (easement)	<input type="checkbox"/>	<input type="checkbox"/>	
Tract Boundary Line with Identification number	<input type="checkbox"/>	<input type="checkbox"/>	
DATA TABLE			
Tract Identification Number	<input type="checkbox"/>	<input type="checkbox"/>	
Date of Acquisition	<input type="checkbox"/>	<input type="checkbox"/>	
Type of Acquisition Indicated	<input type="checkbox"/>	<input type="checkbox"/>	
Federal Aid Project Number	<input type="checkbox"/>	<input type="checkbox"/>	
Property Interest (fee or easement)	<input type="checkbox"/>	<input type="checkbox"/>	
Acreage	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS

VIII. AIRPORT DEPARTURE SURFACES

40:1 for Instrument Procedure Runways

62.5:1 for Commercial Service Runways

	<u>Included</u>		
	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
PLAN VIEW (Existing & Ultimate)			
(out to 10200' beyond Runway threshold for 40:1)			
(out to 50000' beyond Runway threshold for 62.5:1)			
Scale (1" = 1000' for 40:1/ 1"=2000' for 62.5:1)	<input type="checkbox"/>	<input type="checkbox"/>	
Property Line	<input type="checkbox"/>	<input type="checkbox"/>	
Objects Identified by Number	<input type="checkbox"/>	<input type="checkbox"/>	
Runway End Number and Elevation	<input type="checkbox"/>	<input type="checkbox"/>	
Ground Contours (light lines)	<input type="checkbox"/>	<input type="checkbox"/>	
 PROFILE VIEW			
Scale (1" = 100'V for 40:1, 1"=100' for 62.5:1)	<input type="checkbox"/>	<input type="checkbox"/>	
Terrain Along Extended Centerline of Runway	<input type="checkbox"/>	<input type="checkbox"/>	
Significant Objects	<input type="checkbox"/>	<input type="checkbox"/>	
Objects Identified by Number (same as used on plan view)	<input type="checkbox"/>	<input type="checkbox"/>	
Cross-Section of Roads & Railroads	<input type="checkbox"/>	<input type="checkbox"/>	
 OBSTRUCTION TABLE			
Separate Table for each Departure Surface	<input type="checkbox"/>	<input type="checkbox"/>	
Object Identification Number	<input type="checkbox"/>	<input type="checkbox"/>	
Description of Object	<input type="checkbox"/>	<input type="checkbox"/>	
Object Elevation	<input type="checkbox"/>	<input type="checkbox"/>	
Amount of Penetrations	<input type="checkbox"/>	<input type="checkbox"/>	
Disposition of Object	<input type="checkbox"/>	<input type="checkbox"/>	

ADDITIONAL COMMENTS
