

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> KMCO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> ORLANDO	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 96	<u>TDZE</u> 90	<u>SUPERSEDED</u> RNAV (GPS) RWY 35R	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
CRUSE	IAF	SERAY		TF	FB	1.00	005.47	3.15	4000
HAHNA	IAF	SERAY		TF	FB	1.00	324.16	6.34	4000
SERAY	IF	FESHA		TF	FB	1.00	005.49	3.29	3000
FESHA		HEWES		TF	FB	1.00	005.48	4.41	1600
HEWES	FAF	WOLDI/1.24 NM TO RW35R		TF	FB	0.30	005.48	3.33	
WOLDI/1.24 NM TO RW35R		RW35R	MAP	TF	FO	0.30	005.48	1.24	
RW35R	MAP	500 MSL		CA			005.48		500
500 MSL		PRESK		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW35R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT PRESK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT CRUSE					
3. FAC:	005.48	FAF: HEWES	DIST FAF TO MAP:	4.57	DIST FAF TO THLD: 4.57
4. MIN ALT:	CRUSE 5000, SERAY 4000, FESHA 3000, HEWES 1600, WOLDI/1.24 NM TO RW35R 540				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.46	GS ANT:
6. MIN GP INCPT:	1600	GP ALT AT FAF :	HEWES 1600	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR
			TCH:	54.9	
8. MSA FROM:	RW35R 3000				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, AND LNAV CATS C/D VISIBILITY TO RVR 5500.  
CHART NOTE: BRIGHT LIGHTS ON HIGHWAY MIDWAY BETWEEN RWY 35L AND RWY 35R MAY BE MISTAKEN FOR RUNWAY LIGHTS.  
CHART SPEED ICON IN PLANVIEW AT HAHNA: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 6000 AT HAHNA.  
HOLD SE, RT, 319.79 INBOUND.  
CHART FAS OBST: 199 POLE 282504N/0811638W.  
WAAS CHANNEL # 86314  
REFERENCE PATH ID: W35A  
CHART CIRCLING ICON.  
CHART KORL IN PLAN AND PROFILE VIEWS.  
LTP HAE: -0.6 M



**MINIMUMS:**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	290	1800	200	290	1800	200	290	1800	200	290	1800	200			
LNAV/VNAV DA	360	2400	270	360	2400	270	360	2400	270	360	2400	270			
LNAV MDA	460	2400	370	460	2400	370	460	3500	370	460	3500	370			
CIRCLING	740	1	644	740	1	644	740	1 3/4	644	740	2	644			

**CHANGES - REASONS**

1. TERMINAL ROUTES: DELETED ODDEL TO SERAY; ADDED CRUSE TO SERAY COURSE/DISTANCE 5.47/3.15 AND HAHNA TO SERAY COURSE/DISTANCE 324.16/6.34 - REDESIGN BY ATC.
2. TERMINAL ROUTES: CHANGED SERAY TO FESHA COURSE/DISTANCE FROM 5.48/3.15 TO 5.49/3.29 - SERAY FIX MOVED.
3. PROFILE LINE 2: DELETED HILPT - NO LONGER REQUIRED.
4. PROFILE LINE 7: ADDED 20:1 IS CLEAR - NO 20:1 PENETRATIONS FOUND.
5. ADDITIONAL FLIGHT DATA: MOVED DISTANCE TO THLD FROM 200 HAT: 0.46 NM TO PROFILE LINE 5 - IAW 8260.19I PARA 8-6-7.E(3).
6. ADDITIONAL FLIGHT DATA: CHANGED "CHART IN PLANVIEW: EXECUTIVE AIRPORT" TO "CHART KORL IN PLAN AND PROFILE VIEWS" - IAW 8260.19I PARA 8-6-10.T.
7. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1C (31F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C OR ABOVE 54C" - UPDATED TEMPS BASED OFF NEW ACT AND UPDATED NOTE VERBIAGE IAW 8260.19I PARA 8-6-9.R.
8. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND REPLACED WITH PBN REQUIREMENTS NOTE RNP APCH - IAW 8260.19H EQUIPMENT REQUIREMENTS NOTES (8260.19I CRITERIA DEFERRED UNTIL 6/17/21 PER THE IMPLEMENTATION OF 8260.19I MEMO).
9. CHANGED CHART NOTE FROM "FOR INOPERATIVE ALSF-2, INCREASE LPV ALL CATS VISIBILITY TO RVR 2800, LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, AND LNAV CATS C/D VISIBILITY TO RVR 5500" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, AND LNAV CATS C/D VISIBILITY TO RVR 5500" - UPDATED BASED OFF VISI CALC AND UPDATE VERBIAGE IAW 8260.19I PARA 8-6-11.O(3)(D).
10. DELETED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT ODDEL ON V267-295-531 SOUTHBOUND, AND V441 EASTBOUND - NO LONGER REQUIRED, HILPT WAS REMOVED.
11. CHANGED CHART NOTE FROM "USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS" TO "USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS" - IAW 8260.19I PARA 8-6-11.O(8)(D).
12. CHANGED CHART NOTE FROM "SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 35L AND RWY 36L, OR RWY 35L AND RWY 36R" TO "SIMULTANEOUS APPROACH AUTHORIZED" - IAW 8260.19I PARA 8-6-11.O(8)(A).
13. FAS DATA BLOCK CHANGED AS FOLLOWS: FPAP LAT/LONG FROM 282637.5300N/0811657.3000W TO 282637.5290N/0811657.2945W AND CRC REMAINDER FROM DED696FA TO 797ED320 - NEW SURVEY.
14. ADDED NOTE: CHART SPEED ICON IN PLANVIEW AT HAHNA: MAX 210 KIAS - ATC REQUEST.
15. ADDITIONAL FLIGHT DATA: ADDED CHART MANDATORY 6000 AT HAHNA - IAW 8260.19I PARA 8-6-10.N.
16. DELETED NOTE \*LNAV ONLY - NO LONGER REQUIRED PER 8260.19I.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒

**OTHER:** ZJX, ZMA, ORLANDO APP CON, MCO ATCT, ARPT MGR.

*Digitally signed by*

**FLIGHT CHECKED BY**

ROBERT E WILLIAMS

**ALLAN WILL**

Mar 01, 2021

**OFFICE**

FICO

**DATE**

02/24/2021

**DEVELOPED BY**

SHANE FOWLER

*Digitally signed by*

**SHANE FOWLER**

Jan 06, 2021

**OFFICE**

AJV-A423

**DATE**

11/18/2020

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*

**ALLAN WILL**

Mar 01, 2021

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMCO
RUNWAY	RW35R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	282508.1970N
LTP/FTP LONGITUDE	0811656.3800W
LTP/FTP ELLIPSOIDAL HEIGHT	-00006
FPAP LATITUDE	282637.5290N
FPAP LONGITUDE	0811657.2945W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	797ED320

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00273
FPAP ORTHOMETRIC HEIGHT	+00273