

**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 18R	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> ORLANDO	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 96	<u>TDZE</u> 94	<u>SUPERSEDED</u> RNAV (GPS) RWY 18R	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 04/22/2021	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 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>
HOLOP	IAF	NAVAL		TF	FB	1.00	185.43	3.07	4000
YAGGO	IAF	NAVAL		TF	FB	1.00	115.34	6.09	4000
NAVAL	IF	ONNER		TF	FB	1.00	185.45	3.15	3000
ONNER		HAMMY		TF	FB	1.00	185.45	3.15	3000
HAMMY		TUFFE		TF	FB	1.00	185.45	2.52	2200
TUFFE	FAF	RW18R	MAP	TF	FO	0.30	185.45	6.44	
RW18R	MAP	500 MSL		CA			185.45		500
500 MSL		CAMBE		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT CAMBE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT HOLOP					
3. FAC:	185.45	FAF: TUFFE	DIST FAF TO MAP: 6.44	DIST FAF TO THLD: 6.44	
4. MIN ALT:	HOLOP 5000, NAVAL 4000, ONNER 3000, HAMMY 3000, TUFFE 2200				
5. DIST TO THLD FROM FAF:	6.44	MM:	IM:	150 HAT:	200 HAT: 0.46
6. MIN GP INCPT:	2200	GP ALT AT FAF :	TUFFE 2200	OM:	GS ANT:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.3	MM: IM:
8. MSA FROM:	RW18R 3000				

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
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 SPEED ICON IN PLANVIEW AT HOLOP: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT YAGGO: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART KORL IN PLAN AND PROFILE VIEWS.
HOLD SW, RT, 047.36 INBOUND.
CHART FAS OBST: 250 ANTENNA (12-091546) 282837N/0811924W.
CHART VDP AT 1.18 NM TO RW18R.
WAAS CHANNEL # 63212
REFERENCE PATH ID: W18B
CHART AT OR ABOVE 5000 AT HOLOP.
CHART MANDATORY 6000 AT YAGGO.
LTP HAE: 0.3 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	294	1800	200	294	1800	200	294	1800	200	294	1800	200			
LNAV/VNAV DA	390	2400	296	390	2400	296	390	2400	296	390	2400	296			
LNAV MDA	540	2400	446	540	2400	446	540	4500	446	540	4500	446			
CIRCLING	740	1	644	740	1	644	740	1 3/4	644	740	2	644			

CHANGES - REASONS

ADDED MANDATORY ALTITUDE 6000 AT IAF YAGGO - TO SUPPORT STAR ARRIVALS FOR GRNCH AND JAFAR.
IAF SEGMENT YAGGO TO IF NAVAL MIN ALT CHANGED FROM 6000 TO 4000 - TO KEEP PROCEEDING SEGMENT DESCENT GRADIENTS WITHIN LIMITATION. IAF SEGMENT HOLOP TO IF NAVAL MIN ALT CHANGED FROM 5000 TO 4000 - TO SUPPORT LOWERING OF NAVAL TO 4000.
IF SEGMENT NAVAL TO IF STEP ONNER MIN ALT CHANGED FROM 4000 TO 3000 - TO STABILIZE APPROACH/ATC REQUEST.
CHANGED PROFILE VIEW STARTING POINT FROM NAVAL TO HOLOP - PER ATC REQUEST TO SUPPORT SIMULTANEOUS OPS.
CHANGED EQUIPMENT NOTE FROM RNP APCH TO RNP APCH - GPS - PER 19H.
ADDITIONAL FLIGHT DATA, REMOVED ASTERISK FROM VDP CHARTING AND REMOVED *LNAV ONLY - PER 19H, NOT REQUIRED.
ADDED CHART AT OR ABOVE 5000 AT HOLOP - PER ALTITUDE CHANGES.
LINE 5 CHANGED DIST TO THLD FROM OM TO DIST TO THLD FROM FAF - PER 19I.
LINE 4 ALTITUDE HOLOP 5000 ADDED, ONNER FROM 4000 TO 3000 - PER ALTITUDE CHANGES.

7/8/21. THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 5/4/21.
1. CHANGED NOTE FROM SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L/R TO SIMULTANEOUS APPROACH AUTHORIZED.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZJX, ZMA, ORLANDO APP CON, MCO ATCT, AMGR

Digitally signed by

FLIGHT CHECKED BY
KEVIN RIESE

ALLAN WILL
Jul 12, 2021

OFFICE
FIOG
DATE
06/29/2021

DEVELOPED BY
PHILLIP BRANDENBURG

Digitally signed by
PHILLIP BRANDENBURG

OFFICE
AJV-A423
DATE
05/04/2021

APPROVED BY
MARLON ROBINSON

Jul 08, 2021
Digitally signed by
ALLAN WILL
Jul 12, 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	RW18R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18B
LTP/FTP LATITUDE	282653.8565N
LTP/FTP LONGITUDE	0811937.1090W
LTP/FTP ELLIPSOIDAL HEIGHT	+00003
FPAP LATITUDE	282455.0120N
FPAP LONGITUDE	0811935.8295W
THRESHOLD CROSSING HEIGHT (TCH)	00055.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	F8F7618E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00282
FPAP ORTHOMETRIC HEIGHT	+00282