

**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</u> ORMOND BEACH MUNI	<u>AIRPORT ID</u> KOMN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> ORMOND BEACH	<u>STATE</u> FL	
<u>AIRPORT ELEVATION</u> 28	<u>TDZE</u> 28	<u>SUPERSEDED</u> RNAV (GPS) RWY 8	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 06/25/2015	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 355/30 CW 175/30	NOPT	ARSUF	IF/IAF	2800
2. 175/30 CW 355/30		ARSUF	IF/IAF	2800

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
ARSUF	IF/IAF	EZADO		TF	FB	1.00	085.09	7.31	1600
EZADO	FAF	DRMAR/2.30 NM TO RW09		TF	FB	0.30	085.15	1.89	
DRMAR/2.30 NM TO RW09		RW09	MAP	TF	FO	0.30	085.15	2.30	
RW09	MAP	600 MSL		CA			085.15		600
600 MSL		ARSUF		DF	FO	1.00			2800

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW09

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2800 DIRECT ARSUF AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD W ARSUF, LT, 085.09 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 4000.

3. FAC: 085.15FAF: EZADODIST FAF TO MAP: 4.19DIST FAF TO THLD: 4.19

4. MIN ALT: ARSUF 2800, EZADO 1600, DRMAR/2.30 NM TO RW09 900\*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.53GS ANT:

6. MIN GP INCPT: 1600GP ALT AT FAF : EZADO 1600OM:MM:IM:

7. GP ANGLE: 3.4034:1: IS NOT CLEAR20:1: IS CLEARTCH: 60.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: VDP NA WHEN USING DAYTONA BEACH ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
CHART VDP AT 0.84 NM TO RW09\*  
\*LNAV ONLY  
WAAS CHANNEL #82334  
REFERENCE PATH ID: W09A  
CHART FAS OBST: 117 TREE 291737N/0810660W.  
LTP HAE: -20.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	313	1	285	313	1	285	313	1	285		NA				
LNAV/VNAV DA	278	1	250	278	1	250	278	1	250		NA				
LNAV MDA	380	1	352	380	1	352	380	1	352		NA				
CIRCLING	500	1	472	500	1	472	740	2	712		NA				



**CHANGES - REASONS**

- 1. ADDED "RNP APCH" TO PBN REQUIREMENTS NOTES AND DELETED "CHART NOTE: DME/DME RNP - 0.3 NA" FROM NOTES SECTION - IAW 8260.19H.
- 2. MOVED THE BACK-UP ALTIMETER NOTE AND ALL ASSOCIATED NOTES TO THE 8260-9 PART C GENERAL REMARKS - IAW 8260.19H.
- 3. ADDED 20:1 IS CLEAR TO LINE 7 - IAW 8260.19H PARA 8-6-7 G (3).
- 4. UPDATED CRC REMAINDER IN FAS DATA FROM 6C298088 TO DFEB6F0D - RWY NUMBERING CHANGED FROM RWY 8-26 TO RWY 9-27.
- 5. DELETED "CHART NOTE: PROCEDURE NA AT NIGHT" - 20:1 PENETRATIONS NO LONGER EXIST.
- 6. UPDATED TEMPERATURE NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C" - IAW 8260.19H 8-6-9.S.
- 7. VDP DIST CHANGED FROM 0.94NM TO 0.84NM - RECALCULATED USING TARGETS DATA.
- 8. UPDATED HELICOPTER VISIBILITY REDUCTION NOTE - IAW 8260.19H
- 9. INCORPERATED CHANGES MADE VIA P-NOTAM 5/7494.

**COORDINATED WITH:**

**A4A** ☐    **ALPA** ☐    **AOPA** ☒    **APA** ☐    **HAI** ☐    **NBAA** ☒    **OTHER:** ZJX, DAB APP CON, OMN ATCT, ARPT MGR

**FLIGHT CHECKED BY**

**OFFICE**

**DATE**

**DEVELOPED BY**

WARDELL HENNING (ANTHONY KACZKA)

**OFFICE**

AJV-A432

**DATE**

04/09/2019

**APPROVED BY**

LONNIE EVERHART

**OFFICE**

AJV-A430

**DATE**

**TITLE**

MANAGER



**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOMN
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	291803.1410N
LTP/FTP LONGITUDE	0810712.8445W
LTP/FTP ELLIPSOIDAL HEIGHT	-00201
FPAP LATITUDE	291819.8845N
FPAP LONGITUDE	0810532.7425W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.40
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	DFEB6F0D

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00084
FPAP ORTHOMETRIC HEIGHT	+00084



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> ORMOND BEACH MUNI	<u>AIRPORT ID</u> KOMN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>AMDT NO.</u> 1C	<u>CITY</u> ORMOND BEACH	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 28	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM  
355/30 CW 175/30

TO  
ARSUF

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
1.TOWER (12-001568)	285618.00N/0811857.00W	1740	100	20	3C	1000					2800	
2.TERRAIN	284903.00N/0813821.00W	210 (200)								AS1500	1700	

COMPUTATIONS

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM  
175/30 CW 355/30

TO  
ARSUF

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>	
1.TOWER (12-001568)	285618.00N/0811857.00W	1740	100	20	3C	1000					2800	
3.TERRAIN	285633.00N/0811351.00W	119 (100)								AS1500	1600	

COMPUTATIONS

ALT   KIAS   KTAS   HAA   VKTW   TR   BA   DTA   COURSE CHANGE   DVEB   VEB OCS   RF CENTER FIX/DISTANCE

SEGMENT REMARKS:





TO  
RW09

HMAS

## COMPUTATIONS

RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**

FROM  
EZADO

TO  
DRMAR/2.30 NM TO RW09

HMAS

## COMPUTATIONS

RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**

RF CENTER FIX/DISTANCERF CENTER FIX/DISTANCE

QUALITY  
31  
CHECKED





MISSED APPROACH : LNAV

FROM

RW09

TO

ARSUF

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							280				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2800
11.TOWER (12-004153)	291425.99N/0811420.10W	298	20	3	1A	1000					1300
12.TERRAIN	291533.00N/0811233.00W	62 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
13.POLE (12-044658)	291836.88N/0810526.81W	1.30	472	195	20	3	1A	300			500
CATEGORY B											
13.POLE (12-044658)	291836.88N/0810526.81W	1.81	472	195	20	3	1A	300			500
CATEGORY C											
14.TOWER (12-000700)	291630.00N/0810425.00W	2.84	712	359	100	20	3C	300		XP80	740

CIRCLING REMARKS:

MAINTAIN PUBLISHED CMDA.

CENTER

RADIUS

MSA REMARKS:



AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
ORMOND BEACH MUNI	KOMN	RNAV (GPS) RWY 9	1C	ORMOND BEACH	FL	28	RNAV
<div>NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:</div> <div>VEGETATION IS 100 FT TREE PER PREVIOUS PROCEDURES.</div> <div>VERTICAL GUIDANCE DESIGNED TO 3.40 DEGREES AND 60FT TCH TO AVOID GQS PENETRATIONS IN ACCORDANCE WITH NFPG MEMO #95 AND INTERPRETATION #29.</div> <div>GQS PENETRATIONS:</div> <div>106 TREE (KOMNT0457) 291757.42N/0810731.80W (12.06)</div> <div>101 TREE (KOMNT0445) 291758.89N/0810730.93W (10.68)</div> <div>99 TREE (KOMNT0441) 291758.19N/0810730.23W (10.35)</div> <div>99 TREE (KOMNT0446) 291802.92N/0810732.07W (7.88)</div> <div>102 TREE (KOMNT0458) 291758.55N/0810732.15W (7.74)</div> <div>93 TREE (KOMNT0428) 291758.74N/0810729.47W (7.03)</div> <div>99 TREE (KOMNT0453) 291801.33N/0810732.41W (5.79)</div> <div>108 TREE (KOMNT0492) 291800.93N/0810735.98W (3.66)</div> <div>88 TREE (KOMNT0424) 291758.54N/0810728.93W (3.54)</div> <div>102 TREE (KOMNT0473) 291758.26N/0810733.55W (3.29)</div>							
<div> <div>QUALITY</div> <div>31</div> <div>CHECKED</div> </div>							
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"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LPV, LNAV/VNAV	
34:1		
102 TREE (12-045145) 291758.55N/0810732.15W (28.44)	99 TREE (12-045116) 291802.92N/0810732.07W (28.08)	
99 TREE (12-092817) 291755.91N/0810731.17W (26.48)	93 TREE (12-065017) 291758.74N/0810729.47W (26.4)	
99 TREE (12-067441) 291801.33N/0810732.41W (26.33)	108 TREE (12-057363) 291800.93N/0810735.98W (25.97)	
102 TREE (12-063189) 291758.26N/0810733.55W (24.7)	99 TREE (12-065247) 291802.99N/0810733.83W (23.62)	
104 TREE (12-059596) 291802.05N/0810735.70W (23.31)	91 TREE (12-063362) 291759.35N/0810730.19W (22.9)	
88 TREE (12-065016) 291758.54N/0810728.93W (22.67)	100 TREE (12-061482) 291801.03N/0810734.42W (22.02)	
101 TREE (12-063191) 291757.28N/0810734.00W (22)	95 TREE (12-063293) 291759.87N/0810733.08W (19.8)	
102 TREE (12-067364) 291759.74N/0810735.84W (19.67)	98 TREE (12-070925) 291756.04N/0810733.59W (19.36)	
84 TREE (12-046088) 291759.40N/0810728.93W (19.15)	102 TREE (12-045424) 291801.53N/0810737.86W (15.5)	
79 TREE (12-046086) 291801.62N/0810729.15W (14.83)	96 TREE (12-067363) 291758.12N/0810735.07W (14.73)	
76 TREE (12-072437) 291800.93N/0810728.60W (12.85)	94 TREE (12-045752) 291756.39N/0810734.74W (12.61)	
70 TREE (12-065075) 291758.30N/0810726.65W (10.37)	69 TREE (12-045344) 291759.39N/0810726.65W (9.98)	
86 TREE (12-072341) 291756.76N/0810732.73W (9.96)	99 TREE (12-093236) 291802.13N/0810739.04W (9.81)	
69 TREE (12-045347) 291803.78N/0810727.96W (9.07)	63 TREE (12-066107) 291800.98N/0810725.11W (8.8)	
95 TREE (12-045298) 291759.63N/0810737.70W (7.85)	70 TREE (12-075148) 291758.48N/0810727.82W (7.48)	
56 TREE (12-045600) 291804.42N/0810723.75W (7.2)	66 TREE (12-069666) 291802.36N/0810727.51W (6.43)	
64 TREE (12-075146) 291757.73N/0810725.77W (6.3)	83 TREE (12-093060) 291755.41N/0810732.77W (6.11)	
68 TREE (12-046084) 291759.37N/0810727.83W (5.95)	74 TREE (12-068827) 291801.38N/0810730.64W (5.88)	
63 TREE (12-072435) 291800.31N/0810726.67W (4.44)	49 VEGETATION (12-044979) 291803.16N/0810722.10W (3.72)	
69 TREE (12-072385) 291800.21N/0810729.49W (3.17)	63 TREE (12-046082) 291757.55N/0810727.17W (1.62)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or  
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS





<u>AIRPORT</u> ORMOND BEACH MUNI	<u>AIRPORT ID</u> KOMN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>AMDT NO.</u> 1C	<u>CITY</u> ORMOND BEACH	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 28	<u>FACILITY</u> RNAV
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.53
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	079.15
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	43
DISTANCE FROM	THLD	TO 1500FT POINT	3.99
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	079.15
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	43

THRESHOLD  
COORDINATES  
(IF STR-IN)

291803.14N/0810712.84W

ARP COORDINATES

291804.10N/0810649.70W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 35 DISTANCE 0.36 NM

FAF  
COORDINATES

291715.79N/0811155.22W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.  
TAA UTILIZES 30 NM RADIUS. LEFT AND RIGHT BASE AREAS NOT UTILIZED.  
ARSUF: 291552.78N/0812007.74W

QUALITY  
31  
CHECKED

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**AIRPORT**  
ORMOND BEACH MUNI

AIRPORT ID  
KOMN

**PROCEDURE NAME**  
RNAV (GPS) RWY 9

AMDT NO.  
1C

CITY  
ORMOND BEACH

**STATE**  
FL

**AIRPORT ELEVATION**  
28

**FACILITY**  
RNAV

**PART E: PREPARED BY**

**NAME**  
WARDELL HENNING (ANTHONY KACZKA)

**OFFICE**  
AJV-A432

**DATE**  
04/09/2019

**TITLE**  
AERONAUTICAL INFORMATION SPECIALIST