

<b>US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</b>		<b>RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33</b>		Bearings, headings, courses, 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 in feet RVR.											
<b>TERMINAL ROUTES</b>										<b>MISSED APPROACH</b>					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LP: RW13 LNAV: RW13  CLIMB TO 3600 DIRECT JOPEP AND ON TRACK 197.36 TO TOEGO AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD NW, RT, 157.80 INBOUND. CHART FAS OBST: 1429 TREE 480119N/0925154W CHART FAS OBST: 1479 TREE 480140N/0925118W WAAS CHANNEL # 69224 REFERENCE PATH ID: W13A AWALU TO RW13: 3.00/40 LTP HAE: 368.5 M					
ZUNNI		GOVNY (FO)		034.47 / 5.77				3000							
RAXUE (IAF)		GOVNY (NOPT) (FB)		136.52 / 13.59				3000							
GOVNY (IF/IAF)		AWALU (FB)		136.00 / 6.01				3000							
AWALU (FAF)		ZANBU/2.40 NM TO RW13 (FB)		136.08 / 2.75											
ZANBU/2.40 NM TO RW13		RW13 (MAP) (FO)		136.11 / 2.40											
RW13 (MAP)		1680 MSL		136.11											
(SEE FORM 8260-10)															
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF)										MAG VAR: 2E      EPOCH YEAR: 1995					
2. HOLD NW GOVNY, LT, 136.00 INBOUND, 3000 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>136.08</u> FAF: <u>AWALU</u> DIST FAF TO MAP: <u>5.15</u> THLD: <u>5.15</u>															
4. MIN. ALT: GOVNY 3000, AWALU 3000, ZANBU/2.40 NM TO RW13 2100															
5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u>															
6. MIN GS INCPT: <u>      </u> GS ALT AT: <u>      </u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u>															
7. GS ANGLE: <u>      </u> TCH: <u>34:1 IS NOT CLEAR</u>															
8. MSA FROM: RW13 3300															
<b>MINIMUMS</b>															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @			
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1680	1	371	1680	1	371	1680	1	371		NA				
LNAV MDA	1760	1	451	1760	1	451	1760	1 3/8	451		NA				
CIRCLING	1920	1	609	1920	1	609	1920	1 3/4	609		NA				
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 31 NA AT NIGHT. CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 13 PROCEDURE NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. (SEE FORM 8260-10)															
CITY AND STATE		ELEVATION: 1311    THRE: 1309		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;">             QUALITY &amp; CHECKED           </div>			
ORR, MN		AIRPORT NAME: ORR RGNL		RNAV		RNAV (GPS) RWY 13, ORIG 25 AUG 2011				AMDT: NONE					
										DATED					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

**TERMINAL ROUTES, (CONT.):**

FROM	TO	COURSE AND DISTANCE	ALTITUDE
1680 MSL	JOEP (FB)		
JOEP	TOGO (FO)	197.36/16.91	3600

**NOTES, (CONT.):**

CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COOK ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET; INCREASE LP CAT C VISIBILITY 1/8 MILE.

**CITY AND STATE**  
 ORR, MN

**ELEVATION:** 1311 **THRE:** 1309  
**AIRPORT NAME:**  
 ORR RGNL

**FACILITY IDENTIFIER:**  
 RNAV

**PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:**  
 RNAV (GPS) RWY 13, ORIG  
 25 AUG 2011

**SUP:**  
**AMDT:** NONE  
**DATED:**

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE  
SBAS SERVICE PROVIDER IDENTIFIER  
AIRPORT IDENTIFIER  
RUNWAY  
APPROACH PERFORMANCE DESIGNATOR  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR  
REFERENCE PATH IDENTIFIER (APPROACH ID)  
LTP/FTP LATITUDE  
LTP/FTP LONGITUDE  
LTP/FTP ELLIPSOIDAL HEIGHT  
FPAP LATITUDE  
FPAP LONGITUDE  
THRESHOLD CROSSING HEIGHT (TCH)  
TCH UNITS SELECTOR (METERS OR FEET USED)  
GLIDEPATH ANGLE (GPA)  
COURSE WIDTH AT THRESHOLD  
LENGTH OFFSET  
HORIZONTAL ALERT LIMIT (HAL)  
VERTICAL ALERT LIMIT (VAL)

0  
0  
KORB  
RW13  
0  
0  
W13A  
480112.0100N  
0925141.4000W  
+03685  
480005.6800N  
0925012.8600W  
00040.0  
F  
03.00  
106.75  
1528  
40.0  
0.0

CRC REMAINDER

FE211AD7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE  
LTP ORTHOMETRIC HEIGHT  
FPAP ORTHOMETRIC HEIGHT

K3  
+03990  
+03990

QUALITY  
CHECKED

CITY AND STATE

ORR, MN

ELEVATION: 1311

THRE: 1309

AIRPORT NAME:

ORR RGNL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

25 AUG 2011

SUP:

AMDT:

NONE

DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KORBK3FR13	ARAXUE	010RAXUEK3EA0E	A	IF						18000		A JS	
SUSAP KORBK3FR13	ARAXUE	020GOVNYK3EA0EE	B	010TF		13650136		+ 03000				A JS	
SUSAP KORBK3FR13	AZUNNI	010ZUNNIK3EA0E		IF						18000		A JS	
SUSAP KORBK3FR13	AZUNNI	020GOVNYK3EA0EY		020TF		03450058		+ 03000				A JS	
SUSAP KORBK3FR13	AZUNNI	030GOVNYK3EA0EE	AL	HF		13600040		+ 03000				A JS	
SUSAP KORBK3FR13	R	010GOVNYK3EA0E	I	IF				+ 03000		18000		A JS	
SUSAP KORBK3FR13	R	020AWALUK3EA1E	F	051TF		13600060		+ 03000			RW13	K3PGA	JS
SUSAP KORBK3FR13	R	020AWALUK3EA2WALP			N	ALNAV							JS
SUSAP KORBK3FR13	R	021ZANBUK3EA0E	S	031TF		13610028		V 0210002113		-300		A JS	
SUSAP KORBK3FR13	R	030RW13 K3PGOGY	M	031TF		13610024		01349		-300		A JS	
SUSAP KORBK3FR13	R	040	0	M	CA	1361		+ 01680				A JS	
SUSAP KORBK3FR13	R	050JOPEPK3EA0E		DF								A JS	
SUSAP KORBK3FR13	R	060TOEGOK3EA0EY		010TF		1974		+ 03600				A JS	
SUSAP KORBK3FR13	R	070TOEGOK3EA0EE	R	HM		15780040		+ 03600				A JS	

[illegible]

QUALITY  
CHECKED

CITY AND STATE  ORR, MN	ELEVATION: 1311      THRE: 1309 AIRPORT NAME:  ORR RGNL	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  RNAV (GPS) RWY 13, ORIG  25 AUG 2011	SUP:
				AMDT:      NONE
				DATED:

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

[illegible]

QUALITY  
b  
CHECKED

ELEVATION: 1311      THRE: 1309  
AIRPORT NAME:  
ORR RGNL

**FACILITY  
IDENTIFIER:**  
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 13, ORIG  
25 AUG 2011

SUP:	
AMDT:	NONE
DATED:	