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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JEQEF (IAF)	FETUJ (NOPT) (FB)	225.78 / 7.00	4500
EYCEH (IAF)	FETUJ (NOPT) (FB)	045.56 / 7.00	4500
FETUJ (IF/IAF)	INSAJ (FB)	135.66 / 5.75	2800
INSAJ (FAF)	QUCYO (MAP) (FO)	135.70 / 7.00	
QUCYO (MAP)	439 MSL	135.70	
439 MSL	ULKAW (FO)		5000

MISSED APPROACH

LNAV: QUCYO

CLIMBING RIGHT TURN 5000 DIRECT ULKAW AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 164.64 INBOUND.
CHART FAS OBST: 419 TREES 452938N/1235036W
CHART 1979 TREE 453221N/1235056W.
CHART CONTIGUOUS US ADIZ.
CHART W-570.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW FETUJ, RT, 135.70 INBOUND, 4500 FT. IN LIEU OF PT (IAF)
3. FAC: 135.70 FAF: INSAJ DIST FAF TO MAP: 6.50 THLD: 7.00
4. MIN. ALT: FETUJ 4500, INSAJ 2800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: ____

MAG VAR: 20E EPOCH YEAR: 1985

MINIMUMS

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

ALTERNATE: N A X

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
LNAV MDA	760	1	729	760	1	729	760	2	729		NA				
CIRCLING	880	1 1/4	841	920	1 1/4	881	920	2 3/4	881		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ASTORIA ALTIMETER SETTING AND INCREASE ALL MDA BY 540 FEET; INCREASE LNAV VISIBILITY CAT A 1/4, CAT B 1/2, AND CAT C 1 MILE AND CIRCLING VISIBILITY
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 39 TDZE: 31 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TILLAMOOK, OR	TILLAMOOK	RNAV	RNAV (GPS) RWY 13, ORIG-A 25 JUNE 2015	AMDT: ORIG DATED 10/05/2000

QUALITY CHECKED

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CATS B AND C 1/4 MILE.
CHART PROFILE NOTE: DESCENT ANGLE NA
CHART NOTE: NIGHT LANDING: RWY 1, 19 NA

TAA

	FROM	TO	ALT
1.	046/30 CW 158/30 (NOPT)	FETUJ (IF/IAF) (FB)	4500
2.	158/30 CW 226/30	FETUJ (IF/IAF) (FB)	5500
3.	226/30 CW 316/30	JEQEF (IAF) (FB)	5900
4.	316/30 CW 046/30	EYCEH (IAF) (FB)	5400

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EYCEH K10    W     N45341147W124054071                    E0159     NAR           EYCEH
        SUSAEAENRT   FETUJ K10    C   L N45370485W123563588                    E0159     NAR           FETUJ
        SUSAEAENRT   INSAJ K10    W     N45315025W123531351                    E0158     NAR           INSAJ
        SUSAEAENRT   JEQEF K10    W     N45395747W123473023                    E0158     NAR           JEQEF
        SUSAEAENRT   QUCYO K10    W     N45255481W123492563                    E0158     NAR           QUCYO
        SUSAEAENRT   ULKAW K10    C   L N45075492W123595470                    E0157     NAR           ULKAW

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMKK1ATMK     0     050YHN45250570W123485180E020000039         1800018000C    MNAR    TILLAMOOK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMKK1FR13   AEYCEH 010EYCEHK1EA0E  A    IF                                        18000                 B JS
        SUSAP KTMKK1FR13   AEYCEH 020FETUJK1EA0EE B 010TF                    04560070    + 04500                       B JS
        SUSAP KTMKK1FR13   AFETUJ 010FETUJK1EA0EE AR   HF                    13570050    + 04500     18000             B JS
        SUSAP KTMKK1FR13   AJEQEF 010JEQEFK1EA0E  A    IF                                        18000                 B JS
        SUSAP KTMKK1FR13   AJEQEF 020FETUJK1EA0EE B 010TF                    22580070    + 04500                       B JS
        SUSAP KTMKK1FR13   R      010FETUJK1EA0E  I    IF                                + 04500     18000             B JS
        SUSAP KTMKK1FR13   R      020INSAJK1EA1E  F 051TF                    13570058    + 02800                       B JS
        SUSAP KTMKK1FR13   R      020INSAJK1EA2WN          N          ALNAV                                            JS
        SUSAP KTMKK1FR13   R      030QUCYOK1EA0EY M 031TF                    13570070      00760             000       B JS
        SUSAP KTMKK1FR13   R      040         0  M     CA                    1357        + 00439                       B JS
        SUSAP KTMKK1FR13   R      050ULKAWK1EA0EY  R   DF                                + 05000                       B JS
        SUSAP KTMKK1FR13   R      060ULKAWK1EA0EE  R   HM                    16460040    + 05000                       B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTMKK1GRW13    0050011357 N45252746W123490813+0400    -00158000210000042075V
```

CITY AND STATE	ELEVATION: **39** **TDZE: 31**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TILLAMOOK, OR	AIRPORT NAME: **TILLAMOOK**	**RNAV**	**RNAV (GPS) RWY 13, ORIG-A** 25 JUNE 2015	AMDT: **ORIG**
				DATED: **10/05/2000**

QUALITY 4 CHECKED

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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EYCEH	EYCEH	010	IAF	IF		FB					
	EYCEH	FETUJ	020		TF		FB	1.0	045.6(065.6T)	007.0	AA 04500	
	FETUJ	FETUJ	010	IAF	HF	R	FO		135.7(155.7T)	005.0	AA 04500	
	JEQEF	JEQEF	010	IAF	IF		FB					
	JEQEF	FETUJ	020		TF		FB	1.0	225.8(245.8T)	007.0	AA 04500	
		FETUJ	010	FACF	IF		FB				AA 04500	
		INSAJ	020	FAF	TF		FB	0.5	135.7(155.7T)	005.8	AA 02800	
		QUCYO	030	MAP	TF		FO	0.3	135.7(155.7T)	007.0	AT 00760	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		135.7(155.7T)		AA 00439	
	ULKAW	050		DF	R	FO				AA 05000	
	ULKAW	060		HM	R	FO		164.6(184.6T)	004.0	AA 05000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EYCEH	N453411.47	W1240540.71	N4534.191	W12405.679
	FETUJ	N453704.85	W1235635.88	N4537.081	W12356.598
	INSAJ	N453150.25	W1235313.51	N4531.838	W12353.225
	JEQEF	N453957.47	W1234730.23	N4539.958	W12347.504
	QUCYO	N452554.81	W1234925.63	N4525.914	W12349.427
	ULKAW	N450754.92	W1235954.70	N4507.915	W12359.912
	RW13	N452527.46	W1234908.13	N4525.458	W12349.136

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00021	42

CITY AND STATE	ELEVATION: 39 / TDZE: 31 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
TILLAMOOK, OR	TILLAMOOK	RNAV	RNAV (GPS) RWY 13, ORIG-A 25 JUNE 2015	AMDT: ORIG DATED: 10/05/2000

QUALITY 4 CHECKED