

U.S. 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				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA											
HEVNU (IF) (40E) (43I)	CUBMO (TF) (FB) (RNP 0.80) (40E) (42S)	218.90/4.09	3000	CLIMB TO 3000 DIRECT FELEG, AND VIA TRACK 236.03 TO KILMA AND HOLD. WHEN AUTHORIZED BY ATC, CLIMB-IN-HOLD TO 4000.											
CUBMO (40E) (42S)	OSUSE (TF) (FB) (RNP 0.80) (40E) (43F)	218.89/1.93	2500												
OSUSE (FAF) (40E) (43F)	RW22L (TF) (FO) (40G) (41Y) (43M)	218.88/7.50													
RW22L (MAP) (40G) (41Y) (43M)	FELEG (DF)(FB)(RNP 1.00)(40E) (42M)	218.88													
FELEG (40E)(42M)	KILMA (TF) (FO) (RNP 1.00) (40E) (41Y)	236.03/14.90	3000												
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)				ADDITIONAL FLIGHT DATA: HOLD W, RT, 072.00 INBOUND CHART FAS OBST: 115 BLDG 404246N/0741000W DISTANCE TO THLD FROM 419 HAT: 1.16 NM CHART MANDATORY 3000 AT CUBMO. ROUTE TYPE DESCRIPTION: A, R APPROACH ROUTE QUALIFIER 1: P APPROACH ROUTE QUALIFIER 2: A, S #TCH: 60.1 MSL											
2. PROFILE STARTS AT HEVNU															
3. FAC: 218.88 FAF: DIST FAF TO MAP: THLD:															
4. MIN. ALT: HEVNU 3000, CUBMO 3000 MANDATORY															
5. DIST TO THLD FROM OM: 7.50 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 2500 GS ALT AT: OSUSE 2500 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 50.0# 34:1 IS CLEAR															
8. MSA FROM: RW22L 2700															
MAG VAR: 13W EPOCH YEAR: 85															
MINIMUMS															
TAKEOFF:	STANDARD	X	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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	429	5000	419	429	5000	419	429	5000	419	429	5000	419			
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -3C (26F) OR ABOVE 49C (120F). FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2. CHART PROFILE NOTE: VGSI AND RNAV GLIDE PATH NOT COINCIDENT. CHART PLANVIEW NOTE AT HEVNU: (RNP 0.80). CHART PLANVIEW NOTE: RADAR REQUIRED.															
CITY AND STATE		ELEVATION: 18 TDZE: 10		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
NEWARK, NJ		NEWARK LIBERTY INTL		RNAV		24 SEP 2009 RNAV (RNP) Y RWY 22L, ORIG-D				AMDT: ORIG-C					
										DATE 02/02/2007					

QUALITY
8
CHECKED

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STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		HEVNU	010	FACF	IF		FB				03000
		CUBMO	011	SDF	TF		FB	0.8	218.9 (206T)	004.1	03000 MAN
		OSUSE	020	FAF	TF		FB	0.8	218.9 (206T)	001.9	02500
		RW22L	030	MAP	TF		FO	0.3	218.9 (206T)	007.5	00060 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FEXEG	040		DF		FB	1.0			
	KILMA	050		TF		FO	1.0	236.0 (223T)	014.9	03000
	KILMA	060		HM	R	FO	2.0	072.0 (059T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUBMO	N405022.06	N0740415.89	N4050.368	W07404.265
	FEXEG	N404004.23	N0741049.58	N4040.071	W07410.826
	HEVNU	N405401.85	N0740155.35	N4054.031	W07401.923
	KILMA	N402909.70	N0742408.82	N4029.162	W07424.147
	OSUSE	N404837.78	N0740522.50	N4048.630	W07405.375
	RW22L	N404152.29	N0740940.88	N4041.872	W07409.681

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW22L	00010	50

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CITY AND STATE	ELEVATION: 18 TDZE: 10	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
NEWARK, NJ	AIRPORT NAME: NEWARK LIBERTY INTL	RNAV	24 SEP 2009	AMDT: ORIG-C
			RNAV (RNP) Y RWY 22L, ORIG-D	DATED: 02/02/07