

**FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 GLS STANDARD INSTRUMENT APPROACH PROCEDURE
 TITLE 14 CFR PART 97.29**

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> KEWR	<u>PROCEDURE NAME</u> GLS RWY 11	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> NEWARK	<u>STATE</u> NJ		
<u>AIRPORT ELEVATION</u> 17	<u>TDZE</u> 17	<u>SUPERSEDED</u> GLS RWY 11	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 01/27/2022	<u>MAG VAR</u> 13W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> GLS	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 JUNE 2023	<u>REQUIRED EFFECTIVE DATE</u> 06/15/2023	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HUTMO	IF	NANVE	PFAF	TF	FB	1.00	107.84	5.98	1600
NANVE	PFAF	RW11	MAP	TF	FO	0.30	107.91	4.79	
RW11	MAP	312 MSL		CA			107.92		312
312 MSL		ROOSO		DF	FB	1.00			
ROOSO		JKLNE		TF	FB	1.00	193.67	3.70	
JKLNE		JEFFB		TF	FB	1.00	245.29	4.79	
JEFFB		RAATO		TF	FO	1.00	218.49	10.68	2000

MISSED APPROACH

MAP:
GLS: DA

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 230 KIAS UNTIL JKLNE) CLIMB TO 2000 DIRECT ROOSO AND RIGHT TURN ON TRACK 193.67 TO JKLNE AND RIGHT TURN ON TRACK 245.29 TO JEFFB AND LEFT TURN ON TRACK 218.49 TO RAATO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. PROFILE STARTS AT HUTMO
- 3. **FAC:** 107.92 **PFAF:** NANVE **DIST PFAF TO MAP:** **DIST PFAF TO THLD:**
- 4. **MIN ALT:** HUTMO 2000, NANVE 1600
- 5. **DIST TO THLD FROM PFAF:** 4.79 **MM:** **IM:** **150 HAT:** **GS ANT:**
- 6. **MIN GP INCPT:** 1600 **GP ALT AT PFAF :** NANVE 1600 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 57.4
- 8. **MSA FROM:** RW11 2900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

EQUIPMENT REQUIREMENTS NOTE:

RADAR REQUIRED.

NOTES:

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 312.
CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 090.00 INBOUND.
GBAS CHANNEL # 21905
REFERENCE PATH ID: G11A
LTP HAE: -27 M

MINIMUMS:

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

ALTERNATE: NA

CATEGORY:	A			B			C			D			E		
	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
GLS DA	312	4500	295	312	4500	295	312	4500	295	312	4500	295			



CHANGES - REASONS

1. TERMINAL ROUTES: UPDATED HUTMO TO NANVE FROM 6.03 TO 5.98 AND NANVE TO RW11 4.74 TO 4.79 - UPDATED EVALUATION/PFAF CALCULATION, NANVE MOVED 299.75 FT.
2. TERMINAL ROUTES: UPDATED DOCUMENTED MISSED APPROACH CA ALTITUDE FROM 308 TO 312 - DA INCREASED.
3. TERMINAL ROUTES: DELETED MISSED APPROACH LEGS TO FOVEX, GOGSU, DIRMY - ATC REQUESTED NEW MA DESIGN.
4. TERMINAL ROUTES: ADDED MISSED APPROACH LEGS TO ROOSO, JKLNE, JEFFB, RAATO TO 2000 - ATC REQUESTED NEW MA DESIGN.
5. MISSED APPROACH INSTRUCTIONS UPDATED FROM "CLIMB TO 3000 DIRECT FOVEX AND ON TRACK 192.77 TO COGSU AND RIGHT TURN ON TRACK 284.86 TO DIRMY AND HOLD" TO "(DO NOT EXCEED 230 KIAS UNTIL JKLNE) CLIMB TO 2000 DIRECT ROOSO AND RIGHT TURN ON TRACK 193.67 TO JKLNE AND RIGHT TURN ON TRACK 245.29 TO JEFFB AND LEFT TURN ON TRACK 218.49 TO RAATO AND HOLD" - ATC REQUESTED NEW MA DESIGN.
6. PROFILE LINE 7/FAS DATA: TCH UPDATED FROM 53.0 TO 57.4 - TO MAKE COINCIDENT WITH VGSI PER FPT.
7. EQUIPMENT REQUIREMENTS NOTE: ADDED RADAR REQUIRED - ATC REQUEST; ASSISTS WITH AIRCRAFT MONITORING DURING MISSED APPROACH.
8. NOTES: DELETED PROFILE NOTE "VGSI AND GLS GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.0/TCH 60) - RAISED TCH.
9. NOTES: UPDATED AUTOPILOT COUPLED APPROACH BELOW ALTITUDE FROM 308 TO 312 - NEW MAP STUDY INCREASED DA.
10. ADDITIONAL FLIGHT DATA: HOLDING UPDATED FROM "SW, RT, 060.56 INBOUND" TO "W, LT, 090.00 INBOUND" - ATC REQUESTED NEW MA DESIGN.
11. MINIMUMS: DA/VIS/HAT ALL CATS UPDATED FROM 308/5000/291 TO 312/4500/295 - UPDATED OBSTACLE EVALUATION AND VISIBILITY CRITERIA APPLICATION.
12. FAS DATA: LTP UPDATED FROM 404202.0100N/0741050.5500W TO 404210.0955N/0741050.5465W - UPDATED EVALUATION.
13. FAS DATA: UPDATED FPAP LOCATION FROM 404202.3300N/0740853.8500W TO 404202.3405N/0740853.8400W - UPDATED EVALUATION.
14. CRC REMAINDER CHANGED FROM 97CBDF04 TO FF9A3CD3 - FAS DATA CHANGES.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** EWR TOWER, ZNY ARTCC, NEW YORK APP CON, NY TRACON, AMGR

FLIGHT CHECKED BY
PENDING

Digitally signed by
ALLAN WILL
Mar 28, 2023

OFFICE

DATE

DEVELOPED BY
PATRICK COMBS

Digitally signed by
PATRICK W COMBS
Mar 27, 2023

OFFICE
AJV-A423

DATE
01/27/2023

APPROVED BY
MARLON ROBINSON

Digitally signed by
ALLAN WILL
Mar 28, 2023

OFFICE
AJV-A420

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	14
AIRPORT IDENTIFIER	KEWR
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	1
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	4
REFERENCE PATH IDENTIFIER (APPROACH ID)	G11A
LTP/FTP LATITUDE	404210.0955N
LTP/FTP LONGITUDE	0741050.5465W
LTP/FTP ELLIPSOIDAL HEIGHT	-00270
FPAP LATITUDE	404202.3405N
FPAP LONGITUDE	0740853.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00057.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0704
HORIZONTAL ALERT LIMIT (HAL)	
VERTICAL ALERT LIMIT (VAL)	
CRC REMAINDER	FF9A3CD3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00053
FPAP ORTHOMETRIC HEIGHT	+00053

