

**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 4L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> NEWARK	<u>STATE</u> NJ		
<u>AIRPORT ELEVATION</u> 17	<u>TDZE</u> 10	<u>SUPERSEDED</u> GLS RWY 4L	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 11/08/2018	<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**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
EMBAY	IF	HOWYA	PFAF	TF	FB	1.00	038.75	5.11	2000
HOWYA	PFAF	RW04L	MAP	TF	FO	0.30	038.77	5.87	
RW04L	MAP	550 MSL		CA			038.77		550
550 MSL		TYNIE		DF	FB	1.00			2000
TYNIE		NEBTE		TF	FB	1.00	014.97	3.74	2000
NEBTE		FLYRS		TF	FO	1.00	313.46	6.33	3000

**MISSED APPROACH**

**MAP:**  
GLS: DA

**MISSED APPROACH INSTRUCTIONS:**

(DO NOT EXCEED 210 KIAS UNTIL NEBTE) CLIMB TO 550 THEN CLIMBING RIGHT TURN TO 2000 DIRECT TYNIE AND ON TRACK 014.97 TO NEBTE, CROSS NEBTE AT OR BELOW 2000 THEN CLIMBING LEFT TURN TO 3000 ON TRACK 313.46 TO FLYRS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

1. PT                      SIDE OF COURSE                      OUTBOUND                      FT WITHIN                      MILES OF                      (IAF)

2. PROFILE STARTS AT EMBAY

3. FAC: 038.77                      PFAF: HOWYA                      DIST PFAF TO MAP:                      DIST PFAF TO THLD:

4. MIN ALT:    EMBAY 2800, HOWYA 2000

5. DIST TO THLD FROM PFAF: 5.87                      MM:                      IM:                      150 HAT:                      GS ANT:                      MM:                      IM:

6. MIN GP INCPT: 2000                      GP ALT AT PFAF : HOWYA 2000                      OM:                      MM:                      IM:

7. GP ANGLE: 3.10                      34:1: IS CLEAR                      20:1: IS CLEAR                      TCH: 56.6

8. MSA FROM:    RW04L 2900

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**EQUIPMENT REQUIREMENTS NOTE:**

RADAR REQUIRED.

**NOTES:**

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 210.  
CHART PROFILE NOTE: VGSI AND GLS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

**ADDITIONAL FLIGHT DATA:**

CHART AT OR BELOW 2000 AT NEBTE.  
HOLD SE, LT, 313.46 INBOUND.  
GBAS CHANNEL # 22727  
REFERENCE PATH ID: G04A  
LTP HAE: -29.2 M

**MINIMUMS:**

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

ALTERNATE: NA ☒

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	<u>HAT/HAA</u>	DA/MDA	VIS	<u>HAT/HAA</u>	DA/MDA	VIS	<u>HAT/HAA</u>	DA/MDA	VIS	<u>HAT/HAA</u>	DA/MDA	VIS	<u>HAT/HAA</u>
GLS DA	210	1800	200	210	1800	200	210	1800	200	210	1800	200			



**CHANGES - REASONS**

1. TERMINAL ROUTES: MISSED APPROACH CA ALTITUDE UPDATED FROM 600 TO 550 - ATC REQUESTED NEW MA DESIGN.
2. TERMINAL ROUTES: DELETED MISSED APPROACH LEG TO TEB VOR/DME - ATC REQUESTED NEW MA DESIGN.
3. TERMINAL ROUTES: ADDED MISSED APPROACH LEGS TYNIE AT 2000, NEBTE AT 2000, AND FLYRS AT 3000 - ATC REQUESTED NEW MA DESIGN.
4. MISSED APPROACH INSTRUCTIONS UPDATED FROM "CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT TEB VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000" TO "(DO NOT EXCEED 210 KIAS UNTIL NEBTE) CLIMB TO 550 THEN CLIMBING RIGHT TURN TO 2000 DIRECT TYNIE AND ON TRACK 014.97 TO NEBTE, CROSS NEBTE AT OR BELOW 2000 THEN CLIMBING LEFT TURN TO 3000 ON TRACK 313.46 TO FLYRS AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000." - ATC REQUESTED NEW MA DESIGN.
5. PROFILE LINE 5: DELETED "DISTANCE TO THLD FROM 200 HAT: 0.43 NM" FROM ADDITIONAL FLIGHT DATA - UPDATED DOCUMENTATION CRITERIA.
6. PROFILE LINE 7: ADDED "IS CLEAR" TO 34:1 AND 20:1 - REQUIRED DOCUMENTATION.
7. PBN REQUIREMENTS NOTES: UPDATED FROM "RNP APCH. GPS REQUIRED" TO "RNP APCH-GPS" - UPDATED CHARTING CRITERIA.
8. EQUIPMENT REQUIRMENTS NOTES: ADDED RADAR REQUIRED - ATC REQUEST; ASSISTS WITH AIRCRAFT MONITORING IN CONJUNCTION WITH MISSED APPROCH HOLD-DOWN ALTITUDE WAIVER.
9. ADDITIONAL FLIGHT DATA: ADDED "CHART AT OR BELOW 2000 AT NEBTE" - ATC REQUESTED.
10. FAS DATA: LTP UPDATED FROM 404053.9645N/0741031.6635W TO 404053.9645N/0741031.6635W AND FPAP UPDATED FROM 404214.2255N/0740940.6580W TO 404214.2185N/0740940.6390W - UPDATED EVALUATION.
11. CRC REMAINDER CHANGED FROM C448F8F7 TO 02055FC5 - 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 27, 2023

**OFFICE**

**DATE**

**DEVELOPED BY**  
PATRICK COMBS

*Digitally signed by*  
**PATRICK W COMBS**  
Mar 24, 2023

**OFFICE**  
AJV-A423

**DATE**  
01/20/2023

**APPROVED BY**  
MARLON ROBINSON

*Digitally signed by*  
**ALLAN WILL**  
Mar 27, 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	RW04L
APPROACH PERFORMANCE DESIGNATOR	1
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	6
REFERENCE PATH IDENTIFIER (APPROACH ID)	G04A
LTP/FTP LATITUDE	404053.9645N
LTP/FTP LONGITUDE	0741031.6635W
LTP/FTP ELLIPSOIDAL HEIGHT	-00292
FPAP LATITUDE	404214.2185N
FPAP LONGITUDE	0740940.6390W
THRESHOLD CROSSING HEIGHT (TCH)	00056.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0168
HORIZONTAL ALERT LIMIT (HAL)	
VERTICAL ALERT LIMIT (VAL)	
 CRC REMAINDER	 02055FC5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00031
FPAP ORTHOMETRIC HEIGHT	+00031

