

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS 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.

<b><u>AIRPORT ID</u></b> KEWR	<b><u>PROCEDURE NAME</u></b> ILS Z OR LOC Z RWY 4L ILS Z RWY 4L (SA CAT I), ILS Z RWY 4L (SA CAT II)	<b><u>ORIGINAL/AMENDMENT</u></b> 16	<b><u>CITY</u></b> NEWARK	<b><u>STATE</u></b> NJ		
<b><u>AIRPORT ELEVATION</u></b> 17	<b><u>TDZE</u></b> 04L 10 04R 11	<b><u>SUPERSEDED</u></b> ILS OR LOC RWY 4L ILS RWY 4L (CAT II)	<b><u>ORIGINAL/AMENDMENT</u></b> 15B	<b><u>DATED</u></b> 12/31/2020	<b><u>MAG VAR</u></b> 13W	<b><u>EPOCH YEAR</u></b> 1985
<b><u>FACILITY</u></b> I-EWR	<b><u>COORDINATES OF FACILITIES</u></b>	<b><u>ACTUAL EFFECTIVE DATE</u></b> 15 JUNE 2023	<b><u>REQUIRED EFFECTIVE DATE</u></b> CONCURRENT WITH KEWR GLS RWY 4L.	<b><u>CANCEL/SUSPEND</u></b>		

**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>
KILMA	IAF	EMBAY/12.53 DME		TF	FB	1.00	084.77	5.90	2800
EMBAY/12.53 DME	IF	HOWYA/7.42 DME/RADAR		CF	FB		038.81	5.11	2000
HOWYA/7.42 DME/RADAR	PFAF	RW04L	MAP	CF	FO		038.81	5.87	
RW04L	MAP	520 MSL		CA			038.81		520
520 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:**

ILS: DA  
LOC: 1.55 DME

**MISSED APPROACH INSTRUCTIONS:**

(DO NOT EXCEED 210 KIAS UNTIL NEBTE) CLIMB TO 520, 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:**



**AIRPORT ID**  
KEWR

**PROCEDURE NAME**  
ILS Z OR LOC Z RWY 4L  
ILS Z RWY 4L (SA CAT I),  
ILS Z RWY 4L (SA CAT II)

**ORIGINAL/AMENDMENT**  
16

**CITY**  
NEWARK

**STATE**  
NJ

**PROFILE:**

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

2. PROFILE STARTS AT EMBAY

3. FAF: 038.81                      FAF: HOWYA/7.42 DME/RADAR                      DIST FAF TO MAP:                      DIST FAF TO THLD: 5.87

4. MIN ALT:    EMBAY/12.53 DME 2800, HOWYA/7.42 DME/RADAR 2000

5. DIST TO THLD FROM OM:                      MM:                      IM:                      100 HAT: 801                      150 HAT: 1724                      200 HAT: 0.43                      GS ANT:

6. MIN GP INCPT: 2000                      GP ALT AT PFAF :    HOWYA/7.42 DME/RADAR 2000                      OM:                      MM:                      IM:

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

8. MSA FROM:    TEB VOR/DME 2900

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**EQUIPMENT REQUIREMENTS NOTE:**

DME AND RADAR REQUIRED.

**NOTES:**

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 4L: CAT A, B, C, D, RA 150, RVR 1400, HAT 150, DA 160 MSL.  
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 4L: CAT A, B, C, D, RA 100, RVR 1200, HAT 100, DA 110 MSL.  
CHART NOTE: WHEN CIRCLING TO RWY 29 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KILMA ON V433 WESTBOUND.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE SIDESTEP 4R CAT C VISIBILITY TO 1 1/2 SM.  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.  
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

**ADDITIONAL FLIGHT DATA:**

CHART AT OR BELOW 2000 AT NEBTE.  
CHART VDP AT 2.98 DME.  
DISTANCE VDP TO THLD 1.43 NM.  
HOLD SE, LT, 313.46 INBOUND.  
CHART FAS OBST: 334 CRANE (34-037035) 403832N/0741117W, 304 STACK (34-000723) 403812N/0741243W.  
CHART CIRCLING ICON.  
CHART KLDJ IN PLAN AND PROFILE VIEWS.



**MINIMUMS:**

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

**ALTERNATE:** NA ☐ ILS: STANDARD; LOC: STANDARD - CAT C 900-2 3/4, CAT D 900-3

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 04L	210	1800	200	210	1800	200	210	1800	200	210	1800	200			
S-LOC 04L	560	2400	550	560	2400	550	560	6000	550	560	6000	550			
SIDESTEP 4R	600	5500	589	600	5500	589	600	6000	589	600	1 1/2	589			
CIRCLING	760	1	743	760	1	743	900	2 3/4	883	900	3	883			

**CHANGES - REASONS**

- THIS AMENDMENT INCORPORATES PREVIOUSLY RELEASED PNOTAMS.
- CHANGED PROCEDURE NAME FROM ILS OR LOC RWY 4L, ILS RWY 4L (SA CAT I), ILS RWY 4L (SA CAT II) TO ILS Z OR LOC Z RWY 4L, ILS Z RWY 4L (SA CAT I), ILS Z RWY 4L (SA CAT II) - PER 8260.3E PARA 1-6-2.D.
- CHANGED ALL EMBAY REFERENCES FROM "EMBAY INT/I-EWR 12.53 DME" TO "EMBAY/12.53 DME" - CRI VOR/DME CROSS RADIAL REMOVED.
- MISSED APPROACH CHANGED FROM "CLIMB TO 620 THEN CLIMBING RIGHT TURN TO 2500 ON HEADING 060 AND TEB VOR/DME R-205 TO TEB VOR/DME AND HOLD." TO "(DO NOT EXCEED 210 KIAS UNTIL NEBTE) CLIMB TO 520, 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 REQUEST FOR AIRPORT AIRSPACE DECONFLICTION.
- LINE 3: REMOVED DIST FAF TO MAP - NOT REQUIRED; PROCEDURE NOW DME REQUIRED.
- ADDED "RNP APCH-GPS" TO PBN REQUIREMENTS NOTE - 8260.19I.
- EQUIPMENT REQUIREMENTS NOTE: ADDED RADAR REQUIRED - PER FPT. SEE EXPLANATION IN GENERAL REMARKS.
- NOTES: CHANGED NOTE FROM "CHART LINDEN AIRPORT" TO "CHART KLDJ IN PLAN AND PROFILE VIEWS" - LINDEN AIRPORT RUNWAY UNDERLIES FINAL APPROACH.
- INOPERATIVE NOTE CHANGED FROM "INOPERATIVE MALSR, INCREASE S-LOC 4L AND SIDESTEP 4R CATS C VISIBILITY TO 1 3/4 MILE." TO "FOR INOPERATIVE ALS, INCREASE SIDESTEP 4R CAT C VISIBILITY TO 1 1/2 SM." - 8260.3E CALCULATIONS.
- MISSED HOLDING CHANGED FROM "HOLD NW, RT, 157.00 INBOUND." TO "HOLD SE, LT, 313.46 INBOUND." - NEW HOLDING PATTERN ESTABLISHED AT FLYRS.
- DELETED ALTERNATE MISSED APPROACH - NO LONGER REQUIRED WITH RNAV PRIMARY MISSED.
- DELETED "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW MORNIS INT/SBJ 24.62 DME, RT, 061.25 INBOUND." FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.
- ADDED "CHART AT OR BELOW 2000 AT NEBTE" TO ADDITIONAL FLIGHT DATA - ATC REQUESTED.
- CHANGED "CHART 334 CRANE 403834N/0741115W" TO "CHART FAS OBST: 334 CRANE (34-037035) 403832N/0741117W." FROM ADDITIONAL FLIGHT DATA - UPDATED EVALUATION.
- CHANGED VDP FROM "CHART VDP AT 3.22 DME. DISTANCE VDP TO THLD 1.68 NM." TO "CHART VDP AT 2.98 DME. DISTANCE VDP TO THLD 1.43 NM." - UPDATED EVALUATION.
- REMOVED "CHART IN PLANVIEW: MORNIS INT/SBJ 24.62 DME." FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.
- ALTERNATE MINIMUMS CHANGED FROM "ILS: CAT A 800-2, CAT B, C 900-2, CAT D 900-3; LOC: STANDARD - CAT B, C 900-2, CAT D 900-3" TO "ILS: STANDARD; LOC: STANDARD - CAT C 900-2 3/4, CAT D 900-3" - 8260.3E CALCULATIONS.
- LOWERED LOC DA/HAT FROM "620/610" TO "560/550" AND SIDESTEP 4R FROM "620/609" TO "600/589" - NEW CONTROLLING OBSTACLE NO LONGER REQUIRES AC ADJUSTEMENT.
- LOWERED LOC CAT C/D VISIBILITY FROM "CAT C 1 3/8, CAT D 1 1/2", TO "CAT C/D 6000" - 8260.3E CALCULATIONS.
- LOWERED SIDESTEP 4R CAT C VISIBILITY FROM "1 3/8" TO "6000" - 8260.3E CALCULATIONS.
- LOWERED CIRCLING CAT B FROM "820/803" TO "760/743" - AC ADJUSTMENT NOT REQUIRED.
- CHANGED HOWYA INT/7.42 DME/RADAR TO HOWYA/7.42 DME/RADAR - REMOVED INTERSECTION FIX MAKE-UP ALLOWED TARGETS EVALUATION.
- FAS OBST CHANGED FROM 307 TOWER 403512N/0741434W TO 304 STACK (34-000723) 403812N/0741243W - PER .19 PARA 8-6-10.
- TERMINAL ROUTE FROM KILMA INT TO EMBAY INT CHANGED FROM CONVENTIONAL SEGMENT TO RNAV SEGMENT - FPT REQUEST.
- CHANGED EQUIPMENT REQUIREMENTS NOTE FROM "RADAR REQUIRED" TO "DME AND RADAR REQUIRED" - PER .19 PARA 8-6-8.



**AIRPORT ID**  
KEWR

**PROCEDURE NAME**  
ILS Z OR LOC Z RWY 4L  
ILS Z RWY 4L (SA CAT I),  
ILS Z RWY 4L (SA CAT II)

**ORIGINAL/AMENDMENT**  
16

**CITY**  
NEWARK

**STATE**  
NJ

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** EWR ATCT, NY TRACON, ZNY, AMGR

**FLIGHT CHECKED BY**  
PENDING

*Digitally signed by*  
**JASON KRETSCHMER**  
May 09, 2023

**OFFICE**

**DATE**

**DEVELOPED BY**  
STEVEN DOUGHERTY

*Digitally signed by*  
**DALE P SICKELS**  
May 09, 2023

**OFFICE**  
AJV-A421

**DATE**  
04/14/2023

**APPROVED BY**  
JASON KRETSCHMER

*Digitally signed by*  
**JASON KRETSCHMER**  
May 09, 2023

**OFFICE**  
AJV-A421

**DATE**

**TITLE**  
MANAGER

