

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.

<u>AIRPORT</u>		<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
JOHN F KENNEDY INTL		KJFK	ILS OR LOC RWY 31R	16B	NEW YORK	NY
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
13	13	ILS OR LOC RWY 31R	16A	07/19/2018	13W	2020
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-RTH		21 MAY 2020	ROUTINE			

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>
CATOD INT/I-RTH 11.62 DME	IF	MALDE INT/I-RTH 9.02 DME					313.77	2.60 (I-RTH)	3000
MALDE INT/I-RTH 9.02 DME		ZULAB INT/I-RTH 5.33 DME/RADAR					313.77	3.69 (I-RTH)	1900

MISSED APPROACH

MAP:

ILS: DA

LOC: 5.70 NM AFTER ZULAB INT/I-RTH 5.33 DME/RADAR OR AT I-RTH 0.37 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 4000 ON LGA VOR/DME R-207 TO MOVFA INT/LGA VOR/DME 34.31 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 4000 DIRECT CAGAG AND HOLD. (RNAV 1-GPS REQUIRED).

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT CATOD
3. **FAC:** 313.77 **FAF:** ZULAB INT/I-RTH 5.33 DME/RADAR **DIST FAF TO MAP:** 5.70 **DIST FAF TO THLD:** 5.70
4. **MIN ALT:** CATOD INT/I-RTH 11.62 DME 3000, MALDE INT/I-RTH 9.02 DME 3000, ZULAB INT/I-RTH 5.33 DME/RADAR 1900
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 808
6. **MIN GS INCPT:** 1900 **GS ALT AT FAF :** ZULAB INT/I-RTH 5.33 DME/RADAR 1900 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 42.3
8. **MSA FROM:** JFK VOR/DME 360-270 2000, 270-360 2900

EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.



NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE CAGAG, RT, 225.05 INBOUND.
CHART CIRCLING ICON.
CHART VDP AT 0.84 DME*
DISTANCE VDP TO THLD 1.21 NM
* LOC ONLY
CHART FAS OBST: 133 STACK 403750N/0734430W.
HOLD NE, LT, 207.35 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	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
S-ILS 31R	212	1800	200	212	1800	200	212	1800	200	212	1800	200			
S-LOC 31R	440	2400	428	440	2400	428	440	4000	428	440	4000	428			
CIRCLING	640	1	627	640	1	627	680	1 3/4	667	680	2	667			

CHANGES - REASONS

1. CHANGED CIRCLING CAT C/D MDA/HAA FROM CAT C MDA 640/HAA 627, CAT D MDA 660/HAA 647 TO CAT C/D MDA 680/HAA 667. - INCORPORATE NOTAM FDC 9/0694 AND OBSTACLE EVALUATION.
2. CHANGED PRIMARY MISSED APPROACH FROM CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 4000 DIRECT CRI VOR/DME THEN ON CRI VOR/DME R-225 TO COL VOR/DME AND HOLD TO CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 4000 ON LGA VOR/DME R-207 TO MOVFA INT/LGA 34.31 DME AND HOLD. - INCORPORATE NOTAM FDC 9/0694.
3. CHANGED ALTERNATE MISSED APPROACH FROM CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 4000 ON LGA VOR/DME R-207 TO MOVFA INT/LGA 34.31 DME AND HOLD TO CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 4000 DIRECT CAGAG AND HOLD. (RNAV 1-GPS REQUIRED). - NO SUITABLE VOR NAVAIDS AND ATC/FPT REQUEST.
4. ADDED ADDITIONAL FLIGHT DATA NOTE: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE CAGAG, RT, 225.05 INBOUND. - 8260.19H, 8-6-6, H2.
5. ADDED CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - NEW AIRNAV DATA.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: .APT MGR, NY TRACON, ZNY, EST FPT, NY DEPT OF AVIA, JFK ATCT

FLIGHT CHECKED BY

DURLEY J FELDER

Digitally signed by

WARDELL HENNING

Feb 18, 2020

OFFICE

FICO

DATE

02/16/2020

DEVELOPED BY

WARDELL HENNING (THOR CORNELL)

Digitally signed by

WARDELL HENNING

Feb 18, 2020

OFFICE

AJV-A432

DATE

10/10/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

WARDELL HENNING

Feb 18, 2020

OFFICE

AJV-A430

DATE

QUALITY
10
CHECKED

TITLE
MANAGER