

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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> JOHN F KENNEDY INTL	<u>AIRPORT ID</u> KJFK	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 31R	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> NEW YORK	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 13	<u>TDZE</u> 13	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 31R	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 13W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MAY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
DPK VOR/DME		PZULU		TF	FB	1.00	215.30	11.07	3000
CAMRN		VIDIO		TF	FB	1.00	044.64	26.51	3000
PZULU	IAF	CATOD		TF	FB	1.00	247.09	8.00	3000
VIDIO	IAF	CATOD		TF	FB	1.00	018.99	9.00	3000
CATOD	IF	IGIDE		TF	FB	1.00	313.94	6.22	1900
IGIDE	FAF	RW31R	MAP	TF	FO	0.30	313.84	5.78	
RW31R	MAP	1800 MSL		CA			313.84		1800
1800 MSL		COL VOR/DME		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW31R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 4000 DIRECT COL VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT CATOD				
3. FAC:	313.84	FAF: IGIDE	DIST FAF TO MAP: 5.78	DIST FAF TO THLD: 5.78	
4. MIN ALT:	CATOD 3000, IGIDE 1900				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.48	GS ANT:
6. MIN GP INCPT: 1900	GP ALT AT FAF : IGIDE 1900		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 48.6		
8. MSA FROM:	RW31R 2900				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: MINIMUM ALTITUDE AT CATOD 2000 WHEN AUTHORIZED BY ATC.
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DPK VOR/DME AIRWAY RADIAL 258.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.23 NM TO RW31R*
*LNAV ONLY
WAAS CHANNEL #45519
REFERENCE PATH ID: W31B
CHART FAS OBST: 359 STACK 403658N/0733851W.
HOLD N, RT, 192.00 INBOUND
LTP HAE: -28.2 M



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

ALTERNATE: NA ☐ 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
LPV DA	213	1800	200	213	1800	200	213	1800	200	213	1800	200			
LNAV/VNAV DA	369	3500	356	369	3500	356	369	3500	356	369	3500	356			
LNAV MDA	460	2400	447	460	2400	447	460	4500	447	460	4500	447			
CIRCLING	640	1	627	640	1	627	680	1 3/4	667	680	2	667			

CHANGES - REASONS

1. LPV DA RAISED FROM 212 TO 213, LNAV/VNAV HAT DECREASED FROM 357 TO 356, AND LNAV ALL CATS HAT DECREASED FROM 448 TO 447. - TDZE INCREASED FROM 12 FEET TO 13 FEET.
2. CIRCLING CAT C AND CAT D MDA/HAA INCREASED FROM 640/627 TO 680/667. - NEW CONTROLLING OBSTACLE; TO REMOVE NOTAM 9/1431.
3. TERMINAL ROUTES: FEEDERS DPK VOR/DME TO PZULU AND CAMRN TO VIDIO RNPS UPDATED FROM 2.00 TO 1.00. - IAW 8260.58A.
4. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C OR ABOVE 54C UPDATED TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C OR ABOVE 54C. - UPDATED WEATHER STUDY (2012-2016) USED FOR LNAV/VNAV SLOPE CALCULATIONS AND TO DETERMINE UPPER/LOWER TEMPERATURE LIMITS FOR UNCOMPENSATED BARO-VNAV SYSTEMS.
5. CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500 ADDED. - NEW INOP VISIBILITY TABLE USED.
6. FAS DATA: CRC REMAINDER UPDATED FROM B3655A4B TO 4A445C12. - LTP/FTP LATITUDE/LONGITUDE UPDATED FROM 403842.6100N/0734544.8500W TO 403842.6000N/0734544.8295W, FPAF LATITUDE/LONGITUDE UPDATED FROM 403927.9500N/0734724.8900W TO 403927.2060N/0734724.4180W, AND LENGTH OFFSET UPDATED FROM 0000 TO 0016.
7. CHART NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) ADDED. - TCH FOR NEW VGSI SYSTEM SERVING RWY 31R IS NOT WITHIN 3 FEET OF DESIGN TCH.
8. CHANGED VDP LOCATION FROM 1.25 NM TO 1.23 NM TO RW31R - NEW VGSI AVAILABLE FOR RWY 31R.
9. CHANGED DIST TO THLD FROM 200 HAT FROM 0.47 TO 0.48 - PER TARGETS EVALUATION.
10. ADDITIONAL FLIGHT DATA: FAS OBST: 209 AAO 403605N/0734006W UPDATED TO FAS OBST: 359 STACK 403658N/0733851W. - NEW LNAV CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZNY, NY TRACON, JFK ATCT, APRT MGR

FLIGHT CHECKED BY

DURLEY J FELDER

Digitally signed by
WARDELL HENNING
Feb 18, 2020

OFFICE
FICO

DATE
02/16/2020

DEVELOPED BY

WARDELL HENNING (BARBARA GORMAN)

Digitally signed by
WARDELL HENNING
Feb 18, 2020

OFFICE
AJV-A432

DATE
10/02/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Feb 18, 2020

OFFICE
AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJFK
RUNWAY	RW31R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31B
LTP/FTP LATITUDE	403842.6000N
LTP/FTP LONGITUDE	0734544.8295W
LTP/FTP ELLIPSOIDAL HEIGHT	-00282
FPAP LATITUDE	403927.2060N
FPAP LONGITUDE	0734724.4180W
THRESHOLD CROSSING HEIGHT (TCH)	00048.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0016
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	4A445C12

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00039
FPAP ORTHOMETRIC HEIGHT	+00039

