

**UNITED STATES AIR FORCE
FLIGHT STANDARDS SERVICE
VOR OR TACAN STANDARD INSTRUMENT APPROACH PROCEDURE**

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> KACY	<u>PROCEDURE NAME</u> HI - VOR OR TACAN RWY 31		<u>ORIGINAL/AMENDMENT</u> 4C	<u>CITY</u> ATLANTIC CITY	<u>STATE</u> NJ	
<u>AIRPORT ELEVATION</u> 75	<u>TDZE</u> 64	<u>SUPERSEDED</u> HI - VOR/DME OR TACAN RWY 31	<u>ORIGINAL/AMENDMENT</u> 4B	<u>DATED</u> 02/04/2016	<u>MAG VAR</u> 10W	<u>EPOCH YEAR</u> 1970
<u>FACILITY</u> ACY	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
ENO 35.00 DME		ZAPOM/INT/24.00 DME					112.64	34.73	14000
ZAPOM/INT/24.00 DME	IF/IAF	ACY VORTAC					034.86	24.00	4000
BAZES/ACY 11.00 DME	IF	BERGR INT/5.00 DME/RADAR					302.00	6.00 (ACY R-122)	1500

MISSED APPROACH

MAP:
ZUKER/ACY 0.82 DME

MISSED APPROACH INSTRUCTIONS:
CLIMBING RIGHT TURN TO 2000 ON HEADING 120 AND ON ACY VORTAC R-090 TO SMITS INT/ACY 11.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- 1. PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. TEARDROP R-215 INBOUND 4000, ACY VORTAC FROM ZAPOM INT 24.00 DME (IAF), R-097 OUTBOUND 2000 TO EVASE 11.00 DME, AT R-122 INBOUND 2000 TO BAZES 11.00 DME. HOLD SW ZAPOM, LT, 035.00 INBOUND, 14000 FT. IN LIEU OF PT (IAF), MAX 17500.
- 3. FAC:** 302.00 **FAF:** BERGR INT/RADAR/5.00 DME/RADAR **DIST FAF TO MAP:** 4.18 **DIST FAF TO THLD:** 4.18
- 4. MIN ALT:** ZAPOM/INT/24.00 DME 14000, ACY VORTAC 4000, BERGR INT/5.00 DME/RADAR 1500
- 8. MSA FROM:** ACY VORTAC 090-270 1800, 270-090 2100, ESA W/IN 100 NM 4200

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).



NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

BERGR TO RWY 31: 3.12/52
HOLD E, RT, 270.00 INBOUND.
CHART ARRIVAL HOLDING AT ZAPOM INT/24.00 DME: HOLD SW, LT, 035.00 INBOUND, 14000.
FAS OBST: 250 AAO 392656N/0742910W.
CHART VDP AT 1.97 DME.
DISTANCE VDP TO THLD 1.15 NM.
CHART MANDATORY 4000 AT ACY VORTAC.
FAC CROSSES RWY C/L EXTENDED 2230 FT FROM THLD.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT E 800-2 1/2

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-31		NA			NA		500	1 1/4	436	500	1 1/4	436	500	1 1/4	436
CIRCLING		NA			NA		620	1 1/2	545	640	2	565	760	2 1/2	685

CHANGES - REASONS

1. CHANGED NAME FROM HI-VOR/DME OR TACAN RWY 31 TO HI-VOR OR TACAN RWY 31 - REVISED CRITERIA.
2. TERMINAL ROUTES: ALL REFERENCES TO ZAPOM UPDATED TO READ ZAPOM/24.00 DME - CORRECTED FORMAT.
3. MISSED APPROACH INSTRUCTIONS CHANGED FROM CLIMBING RIGHT TURN TO 2000 VIA HEADING 120 AND ACY R-090 TO SMITS INT/ACY 11.00 DME AND HOLD TO CLIMBING RIGHT TURN TO 2000 ON HEADING 120 ON ACY VORTAC R-090 TO SMITS INT/ACY 11.00 DME AND HOLD - UPDATE FORMAT.
4. PROFILE LINE 3: CHANGED FAF FROM BERGR TO BERGR INT/5.00DME/RADAR - CURRENT FORMAT.
5. PROFILE LINE 4: CHANGED FROM ZAPOM 14000, ACY VORTAC 4000, BAZES 2000, BERGR 1500 TO ZAPOM/INT/24.00 DME 14000, ACY VORTAC 4000, BERGR INT/5.00 DME/RADAR 1500 - CURRENT FORMAT.
6. ADDITIONAL FLIGHT DATA: CHANGED FAS OBST FROM 171 ROD ON OL TWR 392718N/0743311W TO FAS OBST: 250 AAO 392656N/0742910W - NEW EVALUTION.
7. ADDITIONAL FLIGHT DATA: CHANGED FROM FAC CROSSES RWY EXTENDED C/L 2236 FT FROM THRESHOLD TO FAC CROSSES RWY C/L EXTENDED 2230 FT FROM THLD - NEW EVALUATION.
8. ADDITIONAL FLIGHT DATA: CHANGED FROM CHART VDP AT 1.91 DME TO CHART VDP AT 1.97 DME - NEW EVALUATION.
9. ADDITIONAL FLIGHT DATA: CHANGED DISTANCE VDP TO THLD FROM 1.09 TO 1.15 - NEW EVALUATION.
10. RAISED S-31 DA/HAT FROM 480/417 TO 500/436 AND CAT E VIS FROM 1 1/2 TO 1 1/4 - NEW EVALUATION.
11. RAISED CIRCLING CAT C MDA/HAA FROM 540/465 TO 620/545 - NEW OBSTACLE EVALUATION AND EXPANDED CIRCLING RADII.



AIRPORT ID
KACY

PROCEDURE NAME
HI - VOR OR TACAN RWY 31

ORIGINAL/AMENDMENT
4C

CITY
ATLANTIC CITY

STATE
NJ

COORDINATED WITH:

~~A4A~~ ☒ ~~ALPA~~ ☒ ~~AOPA~~ ☒ ~~APA~~ ☒ ~~HAI~~ ☐ ~~NBAA~~ ☒ OTHER: ZDC, ZNY, NYC FPO, ACY APP CON, HQ ANG, AMGR

FLIGHT CHECKED BY
MICHAEL G CAMPBELL

OFFICE
FPO

DATE *Digitally signed by*
05/15/2023 **JASON KRETSCHMER**

DEVELOPED BY
RAYMOND JOHNSON

Digitally signed by
RAYMOND R JOHNSON
Mar 13, 2023

OFFICE
AJV-A421

DATE
08/31/2022

RECOMMENDED BY
MARLON J. ROBINSON

Digitally signed by
JASON KRETSCHMER
Mar 30, 2023

OFFICE
AJV-A420

DATE

TITLE
MANAGER

APPROVED BY

OFFICE

DATE

TITLE



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KACY	HI - VOR OR TACAN RWY 31	4C	ATLANTIC CITY	NJ	75	ACY

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
ENO 35.00 DME

TO
ZAPOM/INT/24.00 DME

<u>RNP</u>	<u>DISTANCE</u> 34.73	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TWR (34-000142)	390750.00N/0744718.00W		476	250	50	4D	1000				AT12524	14000
TERRAIN	391115.00N/0753145.00W		37 (0)								AS1500	1500

COMPUTATIONS

N/A
ENO-ZAPOM

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
ZAPOM/INT/24.00 DME

TO
ACY VORTAC

<u>RNP</u>	<u>DISTANCE</u> 24.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
STACK (34-000555)	391724.00N/0743801.00W		486	500	50	5D	1000				AT2514	4000
TERRAIN	392725.00N/0743823.00W		85 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM
BAZES/ACY 11.00 DME

TO
BERGR INT/5.00 DME/RADAR

RNP	DISTANCE 6.00	PAT	MAP	HAT				HMAS				
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BLDG	392150.22N/0742452.68W		707	250	293	4G	500				DG293	1500
TERRAIN	392636.00N/0742800.00W		17 (0)								AS1500	1500

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL

FROM
BERGR INT/5.00 DME/RADAR

TO
ZUKER/ACY 0.82 DME

RNP	DISTANCE 4.18	PAT	MAP ZUKER/ACY 0.82 DME	HAT 436				HMAS				
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	392655.84N/0742909.54W		250	50	20	2C	250					500

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
ZAPOM

TO
P-15

RNP	DISTANCE	PAT P-15	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (31-00167)	385658.00N/0745201.00W		641	20	50	1D	1000				AT12359	14000
TERRAIN	391533.00N/0745151.00W		45 (0)								AS1500	1500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH

FROM
ZUKER/ACY 0.82 DME

TO
SMITS INT/ATLANTIC CITY (ACY) 11.00 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 250					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (34-000681)	393034.00N/0743537.00W		294	500	50	5D	1000					1300
TERRAIN	393318.00N/0743315.00W		73 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

KACY

PROCEDURE NAME

HI - VOR OR TACAN RWY 31

AMDT NO.

4C

CITY

ATLANTIC CITY

STATE

NJ

AIRPORT ELEVATION

75

FACILITY

ACY

CIRCLING

☐ ALL CATS

☐ CAT A

☐ CAT B

☒ CAT C

☒ CAT D

☒ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY C											
TOWER (34-000686)	392455.08N/0743153.77W	2.84	545	319	50	20	2C	300			620
CATEGORY D											
TOWER (34-000686)	392455.08N/0743153.77W	3.71	565	319	50	20	2C	300		HA21	640
CATEGORY E											
TOWER (34-000510)	392324.00N/0743044.00W	4.63	685	394	500	50	5D	300		AC50	760

CIRCLING REMARKS:

ESA

CENTER

ACY VORTAC

RADIUS

100

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (42-000283)	405303.01N/0751538.59W	350	91.1	2022	250	20	4C	2100			4200

ESA REMARKS:

MSA

CENTER

ACY VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
090-270	BUILDING (34-023874)	392147.44N/0742455.12W	137	09.3	732	500	50	5D	1000			1800
270-090	TOWER (34-000412)	394404.00N/0745027.00W	334	20.7	1049	20	3	1A	1000			2100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KACY	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KACY	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:
AIRPORT HAS REDUNDANT ALTIMETER SOURCES. BACK-UP ALTIMETER SOURCE NOT REQUIRED.

<u>PRIMARY NAVAID</u> ACY VORTAC	<u>MONITOR POINT</u> AOCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW04 - HIRL, PAPI-4L		NPI-G	
RW22 - HIRL, VASI-4L		NPI-G	
RW13 - TDZ, MALSR, HIRL, C/LINE, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW31 - HIRL, REIL, C/LINE, PAPI-4L		PIR-G	APPROACH, ROLL OUT

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 68.9
<u>FINAL APPROACH COURSE AIMING</u>						
RUNWAY THRESHOLD	<input type="checkbox"/>	2230	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE		
ON CENTERLINE	<input checked="" type="checkbox"/>		FT FROM CENTERLINE			

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
AVERAGE VEGETATION HEIGHT FOR AREA IS 50' PER FPT AND APT MGR.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KACY	PROCEDURE NAME HI - VOR OR TACAN RWY 31	AMDT NO. 4C	CITY ATLANTIC CITY	STATE NJ	AIRPORT ELEVATION 75	FACILITY ACY
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.85
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.37
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	292.00
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	FAF	TO 1500FT POINT	5.20
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	7.27
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	2.92
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD
COORDINATES
(IF STR-IN)

392704.94N/0743335.07W

ARP COORDINATES

392727.30N/0743437.80W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 31 DISTANCE 0.89 NM

FAF
COORDINATES

392528.51N/0742835.79W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
20
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 7 of 8

PART E: PREPARED BY

<u>NAME</u> RAYMOND JOHNSON	<u>OFFICE</u> AJV-A421	<u>DATE</u> 08/31/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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