

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> TRENTON MERCER	<u>AIRPORT ID</u> KTTN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> TRENTON	<u>STATE</u> NJ	
<u>AIRPORT ELEVATION</u> 213	<u>TDZE</u> 202	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 02/04/2016	<u>MAG VAR</u> 12W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<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>
CASVI	IAF	ZESIB	NOPT	TF	FB	1.00	283.90	22.01	2200
HOLEY	IAF	ZESIB	NOPT	TF	FB	1.00	050.66	11.39	2200
ZESIB	IF/IAF	HAMMA		TF	FB	1.00	337.75	6.15	1800
HAMMA	FAF	GECEC/2.10 NM TO RW34		TF	FB	0.30	337.70	2.85	
GECEC/2.10 NM TO RW34		RW34	MAP	TF	FO	0.30	337.70	2.10	
RW34	MAP	700 MSL		CA			337.70		700
700 MSL		ZUBAX		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LP: RW34
 LNAV: RW34

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 250 KIAS UNTIL ZUBAX) CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2700 DIRECT ZUBAX AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD S ZESIB, RT, 337.75 INBOUND, 2200 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 337.70FAF: HAMMADIST FAF TO MAP: 4.95DIST FAF TO THLD: 4.95

4. MIN ALT: ZESIB 2200, HAMMA 1800, GECEC/2.10 NM TO RW34 880

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

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM: RW34 2600

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CASVI ON V-276 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HOLEY ON V-123-157-213 SOUTHWEST BOUND.
CHART NOTE: STRAIGHT-IN RWY 34 NA AT NIGHT, CIRCLING RWY 34 NA AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

ADDITIONAL FLIGHT DATA:

HAMMA TO RW34: 3.00/50.
CHART A-220
CHART R-5001 A/B
WAAS CHANNEL #40230
REFERENCE PATH ID: W34A
CHART FAS OBST: 268 POLE 401503N/0744736W.
CHART FAS OBST: 370 TOWER 401633N/0744812W.
HOLD SW, RT, 058.37 INBOUND
LTP HAE: 19.7 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
LP MDA	520	1	318	520	1	318	520	1	318	520	1	318			
LNAV MDA	620	1	418	620	1	418	620	1 3/8	418	620	1 3/8	418			
CIRCLING	680	1	467	680	1	467	680	1 1/2	467	780	2	567			



CHANGES - REASONS

- 1. TERMINAL ROUTES GECEC TO RW34 AND RW34 TO 700 MSL COURSE CHANGED FROM 337.68 TO 337.70 - TO MATCH FINAL APPROACH COURSE PER CURRENT DOCUMENTATION CRITERIA.
- 2. LINE 7, ADDED 20:1 IS NOT CLEAR - 20:1 VISUAL SURFACE IS PENETRATED.
- 3. REMOVED CHART NOTE: LIMIT MISSED APPROACH TO 250 KIAS AND ADDED "(DO NOT EXCEED 250 KIAS UNTIL ZUBAX) TO BEGINNING OF MISSED APPROACH INSTRUCTIONS - CURRENT DOCUMENTATION CRITERIA.
- 4. UPDATED WORDING OF VGSI MITIGATION CHART NOTE FROM "NIGHT LANDING: RWY 34 OPERATIONAL..." TO "STRAIGHT-IN RWY 34 AT NIGHT, CIRCLING RWY 34 AT NIGHT, OPERATIONAL..." - CURRENT DOCUMENTATION CRITERIA.
- 5. ADDED CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED - 20:1 VISUAL SURFACE PENETRATION.
- 6. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - CURRENT DOCUMENTATION CRITERIA.
- 7. REMOVED BACK-UP ALTIMETER CHART NOTE AND ALTERNATE MINIMUMS NOTE NA WHEN LOCAL WEATHER NOT AVAILABLE - PER FPT APPROVAL LOCAL ASOS TRANSMITTED ON WMSCR.
- 8. FAS DATA FPAP LAT/LONG CHANGED FROM 401735.8300N/0744935.4600W TO 401735.8310N/0744935.4445W - RECALCULATED USING HIGH PRECISION COORDINATES.
- 9. FAS DATA CRC REMAINDER CHANGED FROM F0C8C434 TO 3C75ED1D - RECALCULATED.

08/03/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 07/30/18.
CHANGED CHART NOTE FROM "STRAIGHT-IN RWY 34 AT NIGHT, CIRCLING RWY 34 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD" TO "STRAIGHT-IN RWY 34 NA AT NIGHT, CIRCLING RWY 34 NA AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD".



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: PHL APP CON, TTN ATCT, APT MGR

FLIGHT CHECKED BY	<i>Digitally signed by</i>	OFFICE	DATE	
DURLEY JAN FELDER	ROBERT G HAMILTON	FIOG	07/24/2018	
	Aug 03, 2018			
DEVELOPED BY	<i>Digitally signed by</i>	OFFICE	DATE	
JEFFREY ROBINSON	ROBERT G HAMILTON	AJV-5421	04/30/2018	
	Aug 03, 2018			
APPROVED BY	<i>Digitally signed by</i>	OFFICE	DATE	TITLE
JULIE MORGAN	ROBERT G HAMILTON	AJV-5420		MANAGER
	Aug 03, 2018			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTTN
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	401622.2120N
LTP/FTP LONGITUDE	0744829.7605W
LTP/FTP ELLIPSOIDAL HEIGHT	+00197
FPAP LATITUDE	401735.8310N
FPAP LONGITUDE	0744935.4445W
THRESHOLD CROSSING HEIGHT (TCH)	00050.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1288
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER	3C75ED1D
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00532
FPAP ORTHOMETRIC HEIGHT	+00532

