

**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 ID</u> KSCH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> SCHENECTADY	<u>STATE</u> NY		
<u>AIRPORT ELEVATION</u> 378	<u>TDZE</u> 338	<u>SUPERSEDED</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 09/17/2015	<u>MAG VAR</u> 14W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<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>
ALB VORTAC		FOSRA		TF	FO	1.00	250.72	15.32	3800
FOSRA	IF/IAF	BUMPS		TF	FB	1.00	039.88	7.45	3000
BUMPS		CURUR		TF	FB	1.00	039.93	3.45	2000
CURUR	FAF	RW04	MAP	TF	FO	0.30	039.96	5.11	
RW04	MAP	588 MSL		CA			039.96		
588 MSL		MULXI		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW04

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT MULXI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SW FOSRA, RT, 039.88 INBOUND, 3700 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 039.96FAF: CURURDIST FAF TO MAP: 5.11DIST FAF TO THLD: 5.11

4. MIN ALT: FOSRA 3700, BUMPS 3000, CURUR 2000

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.67GS ANT:

6. MIN GP INCPT: 2000GP ALT AT FAF : CURUR 2000OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 55.0

8. MSA FROM: RW04 3600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 10 NA AT NIGHT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ALBANY ALTIMETER SETTING.
CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBANY ALTIMETER SETTING AND INCREASE LPV DA TO 621 FEET, LNAV/VNAV DA TO 638 FEET, AND INCREASE ALL MDAS 40 FEET.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM AND LNAV CATS A/B TO 1 SM AND CATS C/D TO 1 3/8 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING ALBANY ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM, INCREASE LNAV/VNAV ALL CATS TO 7/8 SM, INCREASE LNAV CATS A/B VISIBILITY TO 1 SM, AND CATS C/D TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 220.08 INBOUND.
FAS OBST: 550 AAO 424755N/0735824W.
CHART VDP AT 1.33 NM TO RW04*
*LNAV ONLY.
WAAS CHANNEL # 42722
REFERENCE PATH ID: W04A
CHART CIRCLING ICON.
LTP HAE: 65.8 M



MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 800-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	588	3/4	250	588	3/4	250	588	3/4	250	588	3/4	250			
LNAV/VNAV DA	605	3/4	267	605	3/4	267	605	3/4	267	605	3/4	267			
LNAV MDA	800	3/4	462	800	3/4	462	800	1	462	800	1	462			
CIRCLING	880	1	502	940	1	562	1120	2 1/4	742	1320	3	942			

CHANGES - REASONS

1. RAISED LPV DA/HAT FROM 538/200 TO 588/250 - NEW OBSTACLE EVALUATION, INCORPORATES NOTAM FDC 0/8742.
2. CHANGED ADDITIONAL FLIGHT DATA FROM CHART FAS OBST: 421 TREE 425050N/0735626W TO FAS OBST: 550 AAO 424755N/0735824W - NEW OBSTACLE EVALUATION/INCORPORATES P-NOTAM 2/2339 ORIG-B.
3. RAISED CIRCLING MDA/HAA CAT B FROM 880/502 TO 940/562, CAT C FROM 880/502 TO 1120/742, CAT D FROM 980/602 TO 1320/942 - NEW OBSTACLE EVALUATION WITH NEW CIRCLING CRITERIA/INCORPORATES NOTAM 0/8742.
4. RAISED CIRCLING VISIBILITY CAT C FROM 1 1/2 TO 2 1/4, CAT D FROM 2 TO 3 - EXPANDED CIRCLING CRITERIA ADDED WITH NEW VISCHECK IAW 8260.3D TABLE 3-3-7.
5. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - NEW CIRCLING CRITERIA ADDED/IAW 8260.19H 8-6-10T.
6. CHANGED CHART NOTES: FROM WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBANY ALTIMETER SETTING AND INCREASE LPV DA TO 551, LNAV/VNAV DA TO 615, AND ALL MDA 40 FEET; INCREASE LNAV CAT C AND D VISIBILITY 1/8 MILE TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBANY ALTIMETER SETTING AND INCREASE LPV DA TO 621 FEET, LNAV/VNAV DA TO 638 FEET, AND INCREASE ALL MDA 40 FEET - NEW OBSTACLE EVALUATION AND VISCHECK IAW 8260.3D TABLE 3-3-1 THROUGH 3-3-6.
7. ADDED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV - NEW VISCHECK IAW 8260.3D TABLE 3-3-1 THROUGH 3-3-6.
8. CHANGED CHART NOTES TO READ: "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM AND LNAV CATS A/B TO 1 SM AND CATS C/D TO 1 3/8 SM" AND "FOR INOPERATIVE ALS WHEN USING ALBANY ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM, INCREASE LNAV/VNAV ALL CATS TO 7/8 SM, INCREASE LNAV CATS A/B VISIBILITY TO 1 SM, AND CATS C/D TO 1 3/8 SM" - UPDATED VISCHECK IAW WITH 8260.3D TABLE 3-3-1 THROUGH 3-3-6.
9. CHANGED CHART NOTE: FROM WHEN VGSi INOP, CIRCLING RWY 10, 22 AND 28 NA AT NIGHT TO CIRCLING RWY 10 NA AT NIGHT - IAW 8260.19H 8-6-11 O(2)(G), 20:1 PENETRATIONS EXIST FOR RWY 10/INCORPORATES NOTAM 0/8742.
10. CHANGED 34:1 IS CLEAR TO 34:1 IS NOT CLEAR AND ADDED 20:1 IS CLEAR TO PROFILE LINE 7 - IAW 8260.19H 8-6-7G(3), 34:1 PENETRATIONS EXIST AND NO 20:1 PENETRATIONS EXIST FOR RWY 4 IN NEW OBSTACLE EVALUATION.
11. CHANGED CHART NOTE: CHART VDP AT 0.96 NM TO RW04* TO CHART VDP AT 1.33 NM TO RW04* - NEW OBSTACLE EVALUATION.
12. CHANGED CHART NOTE: FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 41°C (105°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - NEW EVALUATION WITH UPDATED CRITICAL TEMPERATURES.
13. ADDED ALTERNATE MINIMUMS; STANDARD - CAT C 800-2 1/4, CAT D 800-3, NA WHEN LOCAL WEATHER NOT AVAILABLE - IAW 8260.19H 8-6-9F(7).
14. LTP/FTP LAT/LONG CHANGED FROM 425048.8295N/0735601.6660W TO 425048.8299N/0735601.6674W, FPAP LAT/LONG CHANGED FROM 425208.9400N/0735508.5700W TO 425208.9402N/0735508.5799W - NEW OBSTACLE EVALUATION.
15. VERTICAL ALERT LIMIT CHANGED FROM 35 TO 50 - LPV HAT CHANGED FROM 200 TO 250 DUE TO NEW CONTROLLING OBSTACLE.
16. CRC REMAINDER CHANGED FROM 56BCCF80 TO DE595CDE - UPDATED LTP/FTP, FPAP LAT/LONGS AND VERTICAL ALERT LIMIT.
17. REMOVED 594 AAO 424645N/0740118W FROM ADDITIONAL FLIGHT DATA - NEW OBSTACLE EVALUATION.
18. ADDED CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 PENETRATIONS EXIST IN OBSTACLE EVALUATION/IAW 8260.19H 8-6-11K(3).

AIRPORT ID
KSCH

PROCEDURE NAME
RNAV (GPS) RWY 4

ORIGINAL/AMENDMENT
ORIG-D

CITY
SCHENECTADY

STATE
NY

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** AMGR, ZBW ARTCC

FLIGHT CHECKED BY

STEPHEN BAUER

Digitally signed by

JON DENTON

Apr 21, 2021

OFFICE

FICO

DATE

04/20/2021

DEVELOPED BY

WARDELL HENNING (RICHARD CHRISTENSEN)

Digitally signed by

JON DENTON

Apr 21, 2021

OFFICE

AJV-A432

DATE

06/04/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Apr 21, 2021

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	KSCH
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	425048.8295N
LTP/FTP LONGITUDE	0735601.6670W
LTP/FTP ELLIPSOIDAL HEIGHT	+00658
FPAP LATITUDE	425208.9400N
FPAP LONGITUDE	0735508.5795W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	DE595CDE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00970
FPAP ORTHOMETRIC HEIGHT	+00970

