

**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.

AIRPORT ID ASH	PROCEDURE NAME RNAV (GPS) RWY 14	ORIGINAL/AMENDMENT 3	CITY NASHUA	STATE NH
AIRPORT ELEVATION 200	TDZE 200	SUPERSEDED RNAV (GPS) RWY 14	DATED 04/22/2021	MAG VAR 16W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1995
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CON VOR/DME		TUMAE		TF	FB	1.00	213.29	14.43	3800
TUMAE	IAF	MUGGY	NOPT	TF	FB	1.00	228.59	6.71	3800
MUGGY	IF/IAF	LODTI		TF	FB	1.00	138.53	4.29	2500
LODTI		NORIY		TF	FB	1.00	138.59	3.58	1600
NORIY	FAF	HESKO/2.40 NM TO RW14		TF	FB	0.30	138.64	1.85	
HESKO/2.40 NM TO RW14		RW14	MAP	TF	FO	0.30	138.64	2.40	
RW14	MAP	800 MSL		CA			138.64		800
800 MSL		PELAN		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 DIRECT PELAN AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- HOLD NW MUGGY, LT, 138.69 INBOUND, 3800 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 138.64 **FAF:** NORIY **DIST FAF TO MAP:** 4.25 **DIST FAF TO THLD:** 4.25
- MIN ALT:** MUGGY 3800, LODTI 2500, NORIY 1600, HESKO/2.40 NM TO RW14 1000
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.48 **GS ANT:**
- MIN GP INCPT:** 1600 **GP ALT AT PFAF:** NORIY 1600 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 47.0
- MSA FROM:** RW14 4400



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CON VOR/DME AIRWAY RADIALS 223 CW 246.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 262.45 INBOUND.
 CHART FAS OBST: 445 TREE 424639N/0713139W.
 CHART 752 TOWER (33-000074) 424816N/0713749W.
 CHART VDP AT 1.42 NM TO RW14.
 WAAS CHANNEL # 97730
 REFERENCE PATH ID: W14A
 CHART CIRCLING ICON.
 LTP HAE: 33.5 M

MINIMUMS:

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

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

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	400	1/2	200	400	1/2	200	400	1/2	200	400	1/2	200			
LNAV/VNAV DA	614	3/4	414	614	3/4	414	614	3/4	414	614	3/4	414			
LNAV MDA	700	1/2	500	700	1/2	500	700	1	500	700	1	500			
CIRCLING	840	1	640	860	1	660	920	2	720	980	2 1/2	780			

CHANGES - REASONS

1. TERMINAL ROUTES: DELETED "POINT" IN FIX TYPE FOR CON VOR/DME FEEDER LEG - UNSUPPORTED BY 8260.19I
2. TERMINAL ROUTES: CHANGED FEEDER CON VOR/DME TO TUMAE COURSE AND DISTANCE FROM 213.42/14.55 TO 213.29/14.43 AND INITIAL LEG TUMAE TO MUGGY FROM 228.57/6.59 TO 228.59/6.71 – MOVED TUMAE .12 NM TO MEET MINIMUM LEG LENGTH.
3. TERMINAL ROUTES: CHANGED MUGGY TO LODTI COURSE AND DISTANCE FROM 138.69/4.67 TO 138.53/4.29 AND LODTI TO NORIY DISTANCE FROM 3.20 TO 3.58 – LODTI POSITION MOVED DUE TO ILS OR LOC RWY 14 FIX RELOCATION REQUIREMENT TO MEET SATISFACTORY INTERSECTION CRITERIA.
4. PROFILE: LINE 2 CHANGED HOLDING AT MUGGY FROM 138.49 INBOUND TO 138.69 INBOUND – ALIGNED TP MATCH THE ILS OR LOC RWY 14 INBOUND COURSE.
5. PROFILE: LINE 4 DELETED ASTERISK AT "HESKO/2.40 NM TO RW14 1000" – IAW 8260.19I, 1-1-5.F (12).
6. CHANGED PBN REQUIREMENTS NOTE: "RNP APCH." TO "RNP APCH – GPS." – IAW 8260.19I PARA 8-6-8.B (2).
7. NOTES: UPDATED CHART NOTE FROM "FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 SM." TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 SM AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM." – DUE TO NEW TARGETS EVALUATION/MINIMUMS.
8. ADDITIONAL FLIGHT DATA: AMENDED "HOLD E, RT, 266.83 INBOUND" TO "HOLD E, RT, 262.45 INBOUND" – CHANGED INBOUND HEADING TO MATCH NEW ILS OR LOC RWY 14 HOLDING PATTERN.
9. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "435 TREE 424637N/0713135W" TO "445 TREE 424639N/0713139W" – DUE TO NEW TARGETS EVALUATION/CONTROLLING OBSTACLE.
10. ADDITIONAL FLIGHT DATA: AMENDED NOTE FROM "CHART 752 TOWER 424816N/0713749W" TO "CHART 752 TOWER (33-000074) 424816N/0713749W" – ADDED OBSTACLE NUMBER IAW 8260.19I PARA 8-6-10.C.
11. ADDITIONAL FLIGHT DATA: DELETED NOTE "LNAV ONLY" AND ASTERISK AFTER "CHART VDP AT 1.42 NM TO RW24" – IAW 8260.19I, 1-1-5.F (12).
12. MINIMUMS: INCREASED LNAV/VNAV DA/HAT FROM 596/396 TO 614/414 AND VISIBILITY FROM 5/8 SM TO 3/4 SM – NEW CONTROLLING OBSTACLES BASED ON NEW TARGETS EVALUATION.
13. CIRCLING MINIMUMS: INCREASED MDA/HAA CAT A FROM 820/620 TO 840/640, INCREASED CAT B FROM 840/640 TO 860/660, INCREASED CAT C FROM 900/700 TO 920/720, AND REDUCED CAT D FROM 1000/800 TO 980/780 – NEW CONTROLLING OBSTACLES BASED ON NEW TARGETS EVALUATION.



AIRPORT ID
ASH

PROCEDURE NAME
RNAV (GPS) RWY 14

ORIGINAL/AMENDMENT
3

CITY
NASHUA

STATE
NH

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZBW, BOS APP CON, ASH ATCT

FLIGHT CHECKED BY

JEREMY R VIRTS

Digitally signed by
CASIMIR L TABAKA
Jun 18, 2024

OFFICE

FPO

DATE

01/17/2024

DEVELOPED BY

CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

Digitally signed by
CASIMIR L TABAKA
Jun 18, 2024

OFFICE

AJV-A432

DATE

09/12/2023

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA
Jun 18, 2024

OFFICE

AJV-A432

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KASH
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	424712.6980N
LTP/FTP LONGITUDE	0713124.5985W
LTP/FTP ELLIPSOIDAL HEIGHT	+00335
FPAP LATITUDE	424624.5440N
FPAP LONGITUDE	0712942.7885W
THRESHOLD CROSSING HEIGHT (TCH)	00047.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	4691201C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00611
FPAP ORTHOMETRIC HEIGHT	+00611



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

<u>AIRPORT ID</u> ASH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>AMDT NO.</u> 3	<u>CITY</u> NASHUA	<u>STATE</u> NH	<u>AIRPORT ELEVATION</u> 200	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

<u>FROM</u> CON VOR/DME	<u>TO</u> TUMAE
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<u>RNP</u> 1.00	<u>DISTANCE</u> 14.43	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	430657.00N/0713706.00W	1119	215	8	4B	2000				AT681	3800
TERRAIN	430657.00N/0713706.00W	918 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.

INITIAL

<u>FROM</u> TUMAE	<u>TO</u> MUGGY
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<u>RNP</u> 1.00	<u>DISTANCE</u> 6.71	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	425542.00N/0714648.00W	1533	215	8	4B	1000				AT1267	3800
TERRAIN	425539.00N/0714651.00W	1332 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.



AIRPORT ID
ASH

PROCEDURE NAME
RNAV (GPS) RWY 14

AMDT NO.
3

CITY
NASHUA

STATE
NH

AIRPORT ELEVATION
200

FACILITY
RNAV

INTERMEDIATE

FROM
MUGGY

TO
LODTI

RNP
1.00

DISTANCE
4.29

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	425503.00N/0714454.00W	1359	215	8	4B	500				AT641	2500
TERRAIN	425312.00N/0714633.00W	928 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.

INTERMEDIATE: STEPDOWN

FROM
LODTI

TO
NORIY

RNP
1.00

DISTANCE
3.58

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	425339.00N/0714003.00W	991	215	8	4B	500					1500
TERRAIN	425212.00N/0713936.00W	587 (600)								AS1000	1600

COMPUTATIONS

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

SEGMENT REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.



AIRPORT ID
ASH

PROCEDURE NAME
RNAV (GPS) RWY 14

AMDT NO.
3

CITY
NASHUA

STATE
NH

AIRPORT ELEVATION
200

FACILITY
RNAV

FINAL: LPV

FROM
NORIY

TO
RW14

RNP
0.30

DISTANCE
4.25

PAT

MAP
DA

HAT
200

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				400

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM
NORIY

TO
RW14

RNP
0.30

DISTANCE
4.25

PAT

MAP
DA

HAT
414

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	424639.00N/0713139.00W	445	215	8	4B	161				AC8	614

COMPUTATIONS

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

SEGMENT REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.



AIRPORT ID
ASH

PROCEDURE NAME
RNAV (GPS) RWY 14

AMDT NO.
3

CITY
NASHUA

STATE
NH

AIRPORT ELEVATION
200

FACILITY
RNAV

FINAL: LNAV

FROM
NORIY

TO
HESKO/2.40 NM TO RW14

RNP
0.30

DISTANCE
1.85

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	424839.00N/0713545.00W	499	215	8	4B	250				RA40 DG201	1000

COMPUTATIONS

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

SEGMENT REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.

FINAL: LNAV STEPDOWN

FROM
HESKO/2.40 NM TO RW14

TO
RW14

RNP
0.30

DISTANCE
2.40

PAT

MAP
RW14

HAT
500

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	424639.00N/0713139.00W	445	215	8	4B	250					700

COMPUTATIONS

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

SEGMENT REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.



AIRPORT ID
ASH

PROCEDURE NAME
RNAV (GPS) RWY 14

AMDT NO.
3

CITY
NASHUA

STATE
NH

AIRPORT ELEVATION
200

FACILITY
RNAV

HOLD-IN-LIEU OF PT

FROM MUGGY **TO** P-5

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
P-5

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	425309.00N/0715157.00W	2458	215	8	4B	1000					3500
TERRAIN	425309.00N/0715157.00W	2257 (2300)								AS1500	3800

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.

MISSED APPROACH: LPV

FROM DA **TO** PELAN

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
0.30-1.00 235

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (33-032898)	424407.00N/0712334.00W	804	250	50	4D	1000					2000
TERRAIN	424451.00N/0712130.00W	570 (600)								AS1000	1600

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
ASH

PROCEDURE NAME
RNAV (GPS) RWY 14

AMDT NO.
3

CITY
NASHUA

STATE
NH

AIRPORT ELEVATION
200

FACILITY
RNAV

MISSED APPROACH: LNAV/VNAV

FROM
DA **TO**
PELAN

RNP 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
453

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (33-032898)	424407.00N/0712334.00W	804	250	50	4D	1000					2000
TERRAIN	424451.00N/0712130.00W	570 (600)								AS1000	1600

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM
RW14 **TO**
PELAN

RNP 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
600

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2000
TOWER (33-032898)	424407.00N/0712334.00W	804	250	50	4D	1000					2000
TERRAIN	424451.00N/0712130.00W	570 (600)								AS1000	1600

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
ASH

PROCEDURE NAME
RNAV (GPS) RWY 14

AMDT NO.
3

CITY
NASHUA

STATE
NH

AIRPORT ELEVATION
200

FACILITY
RNAV

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 A											
TREE	424609.00N/0713215.00W	1.30	640	540	215	8	4B	300			840
CATEGORY B											
TREE	424557.00N/0713251.00W	1.81	660	543	215	8	4B	300			860
CATEGORY C											
TREE	424703.00N/0713457.00W	2.85	720	619	215	8	4B	300			920
CATEGORY D											
AAO	424600.00N/0713551.00W	3.72	780	676	215	8	4B	300			980

CIRCLING REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.

MSA

CENTER
RW14

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	425142.00N/0720630.00W			3363	215	8	4B	1000			4400

MSA REMARKS:

SEGMENT OBSTACLE ACCURACY CODE: 4B (215/8) DERIVED FROM MITRE 3ARCSEC DEM.

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



AIRPORT ID
ASH

PROCEDURE NAME
RNAV (GPS) RWY 14

AMDT NO.
3

CITY
NASHUA

STATE
NH

AIRPORT ELEVATION
200

FACILITY
RNAV

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

BOS APP CON, ASH TOWER

WX SERVICE
AWOS-3PT

LOCATION
ASH

HRS OPERATION
24

ALTIMETER SOURCE
ASH

DISTANCE
0

SERVICE-A
Y

ADJUSTMENTS
0

BACK-UP WX SERVICE
ASOS

LOCATION
MHT

HRS OPERATION
24

ALTIMETER SOURCE
MHT

DISTANCE
9.67

SERVICE-A
Y

ADJUSTMENTS
32

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KASH 200, KMHT 266
RA = 31.1.

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW32 - HIRL (PCL), REIL (PCL), PAPI-4L	NPI-G	
RW14 - MALSR (PCL), HIRL (PCL), PAPI-4R (PCL)	PIR-G	

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
200.4

TCH
47.0

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
45.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD
ON CENTERLINE

FT FROM THRESHOLD
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

CRITICAL TEMPERATURES

CRITICAL LOW
-15C

CRITICAL HIGH
+54C

ACT
-15C

APT ISA
+14.6C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 958 HIGH TEMP 1263.



"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION USED PER FPT.

TAA NA: ATC REQUEST.

CONTINGENCY REMOTE ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MANCHESTER ALTIMETER SETTING: INCREASE LPV DA TO 432 FEET, LNAV/VNAV DA TO 646 FEET AND INCREASE ALL MDAS 40 FEET. INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/8 SM AND CIRCLING CAT C/D VISIBILITY 1/4 SM.

CONTINGENCY REMOTE ALTIMETER NOTE: BARO-VNAV AND VDP NA WHEN USING MANCHESTER ALTIMETER SETTING.

ORDER 8260.3 CHAPTER 2 APPLIED TO 752 TOWER (33-000074) 424816.00N/0713749.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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	3.62
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.92
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	122.64
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	400
DISTANCE FROM	THLD	TO 1500FT POINT	7.03
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	122.59
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD COORDINATES (IF STR-IN)	424712.70N/0713124.60W
ARP COORDINATES	424656.69N/0713050.74W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 14 DISTANCE 0.49 NM
FAF COORDINATES	424930.28N/0713616.06W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME
CASIMIR L. TABAKA (CHRISTOPHER D. WILKINSON)

OFFICE
AJV-A432

DATE
09/12/2023

TITLE
AERONAUTICAL INFORMATION SPECIALIST



AIRPORT ID
ASH

PROCEDURE NAME
RNAV (GPS) RWY 14

AMDT NO.
3

CITY
NASHUA

STATE
NH

AIRPORT ELEVATION
200

FACILITY
RNAV

