

**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> KASH	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> NASHUA	<u>STATE</u> NH	
<u>AIRPORT ELEVATION</u> 200	<u>TDZE</u> 200	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 03/02/2017	<u>MAG VAR</u> 16W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1995

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CON VOR/DME	POINT	TUMAE		TF	FB	1.00	213.42	14.55	3800
TUMAE	IAF	MUGGY	NOPT	TF	FB	1.00	228.57	6.59	3800
MUGGY	IF/IAF	LODTI		TF	FB	1.00	138.69	4.67	2500
LODTI		NORIY		TF	FB	1.00	138.59	3.20	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:**





**CHANGES - REASONS**

1. DELETED NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - 8260.19H, 8-6-8.
2. REMOVED ALL NOTES REFERENCING THE BACK-UP ALTIMETER SETTING - MOVED TO FORM 8260-9 FOR CONTINGENCY USE.
3. ADDED 20:1 IS CLEAR TO LINE 7 - 8260-19H, 8-6-7G.
4. REMOVED FAHRENHEIT VALUES FROM UNCOMPENSATED BARO-VNAV NOTE: NO LONGER REQUIRED.
5. CHANGED INOPERATIVE ALS NOTE FROM FOR INOP MALSR, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY 1 3/8 MILE TO FOR INOPERATIVE ALS, INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8 SM - LNAV/VNAV INCREASE NO LONGER REQUIRED WITH NEW INOP TABLE.
6. CHANGED LNAV/VNAV DA/HAT/VIS FROM 620/420/1 TO 596/396/5/8 - UPDATED OBSTACLE DATA.
7. CHANGED FAS OBST FROM 439 TREE 424740N/0713055W TO 435 TREE 424637N/0713135W - UPDATED CONTROLLING OBSTACLE FOUND DURING PROCEDURE AMENDMENT.
8. MOVED VDP FROM 1.43NM TO 1.42NM - UPDATED LTP LAT/LONG COORDINATES FROM 424712.6980N/0713124.5985W TO 424712.6982N/0713124.5987W. .
9. CHANGED 922 AAO 424814N0713748W TO 752 TOWER 424816N/0713749W IN ADDITIONAL FLIGHT DATA - UPDATED 7:1 ELIMINATED OBSTACLE FOUND DURING PROCEDURE AMENDMENT AND IT IS BEING CHARTED.
10. CRC REMAINDER CHANGED FROM "6009CF22" TO "4691201C" - CHANGE TO LTP/FPAP LAT/LONG COORDINATES.
11. ADDED MAX. ALTITUDE "6000" TO H-I-L AT MUGGY - NEW REPORTS FORMAT NOW INCLUDES MAXIMUM HOLDING AT H-I-L.
12. CHANGED PLANVIEW NOTE FROM PROCEDURE NA FOR ARRIVAL ON CON VOR/DME AIRWAY RADIALS 172 CW 246 TO PROCEDURE NA FOR ARRIVAL ON CON VOR/DME AIRWAY RADIALS 223 CW 246 - V141 (R-172) BEING REMOVED 2-25-21.

**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

JEREMY R VIRTS

*Digitally signed by*

**DAVID TEFFETELLER**

Mar 02, 2021

**OFFICE**

FICO

**DATE**

02/25/2021

**DEVELOPED BY**

JAMES LAFFERTY

*Digitally signed by*

**JAMES LAFFERTY**

Dec 07, 2020

**OFFICE**

AJV-A433

**DATE**

08/16/2020

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by*

**DAVID TEFFETELLER**

Mar 02, 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	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

