

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
ENCEE (RNAV)	THREE	ENCEE.ENCEE3	TWO	08/17/2017	10 AUG 2023

TRANSITION ROUTES:

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
SIoux FALLS	FSD.ENCEE3	FSD VORTAC	RAZMU	043.55	50.34	7000	3500		
		RAZMU	ENCEE	044.12	30.63	7000	3300		

ARRIVAL ROUTE DESCRIPTION:

FROM OVER ENCEE AS DEPICTED TO RIXIE (MEA 7000, MOCA 2700), THENCE AS DEPICTED TO GEP VORTAC (MEA 3000, MOCA 2700). THENCE HEADING 059.98, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

VERTICAL NAVIGATION PLANNING INFORMATION:

JET AIRCRAFT: EXPECT CLEARANCE TO CROSS RIXIE AT 8000.

TURBOPROP: EXPECT CLEARANCE TO CROSS RIXIE AT 7000.

GPS REQUIRED.

RADAR REQUIRED.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT: WOOD, HOLD W, LT, 071.34 INBOUND, 10 NM LEGS.

CHART: WOOD, CASNS, MLHOF, MAYER, FUDGE.

COMMUNICATIONS:

CHART: MINNEAPOLIS APPROACH CONTROL.

AIRPORTS SERVED:

AIRPORT NAME	CITY	STATE
CRYSTAL (KMIC)	MINNEAPOLIS	MN
FLYING CLOUD (KFCM)	MINNEAPOLIS	MN
AIRLAKE (KLVN)	MINNEAPOLIS	MN
ANOKA COUNTY-BLAINE (JANES FIELD) (KANE)	MINNEAPOLIS	MN



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ST PAUL DOWNTOWN HOLMAN FLD (KSTP)

ST PAUL

MN

LOST COMMUNICATIONS PREFERENCES:**REMARKS:**

THIS AMENDMENT DOES NOT QUALIFY AS A PERIODIC REVIEW (PR), ABBREVIATED AMENDMENT ONLY.

ADDITIONAL FLIGHT DATA:

MAG VAR: KMSP 2E/1995.

FLIGHT INSPECTED BY:**ORGANIZATION:****DATE:**

Flight Inspected Signature:

*Digitally signed by***ALLAN WILL**

May 25, 2023

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT:
GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION VALIDATION.

DEVELOPED BY:

TODD DAMRON

AJV-A423

04/20/2023

Developed By Signature:

*Digitally signed by***TODD V DAMRON**

May 11, 2023

APPROVED BY:

ALLAN WILL

AJV-A423

Approved By Signature:

*Digitally signed by***ALLAN WILL**

May 25, 2023

CHANGES:

1. DELETE TRANSPONDER NOTE: FOR USE BY /E, /F, /G, AND /R (RNP-2.0) EQUIPPED AIRCRAFT ONLY.
2. TRANSITION ROUTE MOCA FROM FSD TO RAZNU RAISED FROM 3300 TO 3500.
3. ADDED RADAR REQUIRED.
4. CHANGED REFERENCE OF TURBO JET TO JET AIRCRAFT.
5. REMOVED ATIS FROM ADDITIONAL FLIGHT DATA.
6. REMOVED ALL REFERENCE OF "WP" AND "FEET" FROM FORMS.
7. ADDED MISSING COMPUTER CODE TO COMMON ROUTE AND LISTED ALL AIRPORTS SERVED (REMOVED MANUAL TERMINATION).

REASONS:

1. NOTE NO LONGER REQUIRED.
2. NEW CONTROLLING OBSTACLE: 2431 WINDMILL (27-084164 4D AC).
3. RADAR VECTORS AFTER TERMINATION FM LEG.
4. TERMINOLOGY CHANGED STARTING WITH 8260.19H PARA 1-1-5a(12).
5. AUTO CHARTED.



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6. UPDATED TO MEET CURRENT DOCUMENTATION STANDARDS.
7. MEET DOCUMENTATION STANDARDS.



NFDD NO 10606/02/202329

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Title:



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
ENCEE (RNAV)	THREE	ENCEE.ENCEE3	TWO	08/17/2017	10 AUG 2023

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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ENROUTE TRANSITIONS

FSD VORTAC	433858.14N/0964652.02W	Y		IF					FSD.ENCEE 3
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RAZMU	441402.76N/0955653.19W	Y	FB	TF	045.55	50.34			
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ENCEE	443512.19N/0952559.89W	Y	FB	TF	046.12	30.63			
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COMMON ROUTE

ENCEE	443512.19N/0952559.89W			IF					ENCEE.ENCEE3
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WOODD	444128.81N/0945617.50W	Y	FB	TF	073.34	22.12			
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CASNS	444617.13N/0943303.10W	Y	FB	TF	073.69	17.25			
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MLHOF	444922.61N/0941751.65W	Y	FB	TF	073.96	11.25			
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RIXIE	445117.16N/0940822.07W	Y	FB	TF	074.16	07.02			
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MAYER	445504.77N/0935829.08W	Y	FB	TF	061.58	07.99			
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FUDGE	450403.27N/0933451.81W	Y	FB	TF	061.69	19.01			
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GEP VORTAC	450844.47N/0932223.45W	Y	FO	TF	061.98	10.00			
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KMIC, KFCM, KLVN, KANE, KSTP				VM	061.98				
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