

**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> KTKC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> TRACY	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 1341	<u>TDZE</u> 1335	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 12/31/2020	<u>MAG VAR</u> 5E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 JANUARY 2022	<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>
ISLER		AYUBO		TF	FB	1.00	338.18	24.50	3100
RWF VOR/DME		BUKAC		TF	FB	1.00	194.55	15.02	3000
AYUBO	IAF	DUPPA	NOPT	TF	FB	1.00	355.77	7.20	3000
BUKAC	IAF	DUPPA	NOPT	TF	FB	1.00	227.76	7.20	3000
DUPPA	IF/IAF	CIGOD		TF	FB	1.00	293.82	6.00	3000
CIGOD	FAF	MANCN/1.97 NM TO RW29		TF	FB	0.30	293.74	3.03	
MANCN/1.97 NM TO RW29		RW29	MAP	TF	FO	0.30	293.74	1.97	
RW29	MAP	1720 MSL		CA			293.74		
1720 MSL		CURLU		DF	FO	1.00			3200

MISSED APPROACH

MAP:

LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3200 DIRECT CURLU AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
16
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE DUPPA, RT, 293.82 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 293.74

FAF: CIGOD

DIST FAF TO MAP: 5.00

DIST FAF TO THLD: 5.00

4. MIN ALT: DUPPA 3000, CIGOD 3000, MANCN/1.97 NM TO RW29 2000

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 CLEAR

20:1: IS CLEAR

TCH:

8. MSA FROM: RW29 3900

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: CIRCLING NA TO RWY 17-35.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON RWF VOR/DME AIRWAY RADIALS 195 CW 229.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ISLER ON T348 EAST BOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART FAS OBST: 1457 BUILDING (27-080597) 441353N/0953422W
HOLD NW, RT, 113.48 INBOUND.
CHART VDP AT 1.25 NM TO RW29.
CIGOD TO RW29: 3.07/40.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LNAV MDA	1720	1	385	1720	1	385		NA			NA				
CIRCLING	1920	1	579	1920	1	579		NA			NA				



CHANGES - REASONS

1. UPDATED CHART NOTE FROM: "PROCEDURE NA FOR ARRIVALS AT RWF VOR/DME VIA AIRWAY RADIALS 195 CW 229" - TO "PROCEDURE NA FOR ARRIVALS ON RFW VOR/DME AIRWAY RADIALS 195 CW 229" - CORRECTED FORMATTING IAW FAAO 8260.19.
2. MOVED IAF FIX AYUBO 3.64 NM SE - INBOUND RAD/CRS/BRG CHANGED FROM 23.69 TO 355.77 - ATC REQUEST RETAIN FIX NAME.
3. REMOVED WORTHINTON (OTG) VOR/DME FEEDER LEG - VOR MON: ADDED NEW FEEDER LEG ISLER TO AYUBO - ATC REQUEST RETAIN FIX NAME.
4. ADDED STEPDOWN FIX AT MANCN 1.97 NM FROM RWY 29 TO LNAV FINAL - ACHIEVE LOWER MDA.
5. ADDED "20:1 IS CLEAR" TO 8260.3 LINE 7 - IAW 8260.19.
6. DELETED ALL REFERENCE OF MARSHALL/RYAN ALTIMETER SETTING AND MOVED NOTE TO -9 - LOCAL WEATHER TRANSMITTED ON WMSCR AND DEEMED RELIABLE.
7. LOWERED LNAV MDA/HAT FROM 1780/445 TO 1720/385 - NEW EVALUATION.
8. DELETED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OTG VOR/DME AIRWAY RADIALS 014 CW 056. - REFERENCED SEGMENT NO LONGER EXISTS.
9. MOVED IAF FIX BUKAC 3.32 NM EAST - INBOUND RAD/CRS/BRG CHANGED FROM 203.77 TO 227.76 - ATC REQUEST RETAIN FIX NAME.
10. VDP DISTANCE CHANGED FROM 1.26 MILES FROM RW 29 TO 1.25 NM FROM RW 29 - APPLIED NEW CRITERIA.
11. UPDATED FAS OBSTACLE FROM 1469 TREE TO 1457 BUILDING - NEW CONTROLLING OBSTACLE.
12. ADDED CHART CIRCLING ICON - APPLIED NEW CIRCLING CRITERIA.
13. ADDED CHART PLANVIEW NOTE PROCEDURE NA FOR ARRIVALS AT ISLER ON T348 EAST BOUND - ROUTE DOES NOT MEET ALIGNMENT CRITERIA - IAW FAAO 8260.3
14. ADDED NA WHEN LOCAL WEATHER NOT AVAILABLE TO ALTERNATE MINIMUMS. - IAW FAAO 8260.19

COORDINATED WITH:

A4A ☐ **ALPA** ☐ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, AMGR, CHI-FPO

FLIGHT CHECKED BY

MICKEY D TATE

*Digitally signed by***JON DENTON**

Nov 23, 2021

OFFICE

FPO

DATE

11/18/2021

DEVELOPED BY

ANTHONY KACZKA

*Digitally signed by***ANTHONY KACZKA**

Oct 28, 2021

OFFICE

AJV-A432

DATE

09/16/2021

APPROVED BY

LONNIE EVERHART

*Digitally signed by***JON DENTON**

Nov 23, 2021

OFFICE

AJV-A430

DATE**TITLE**
MANAGER