

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
TNU	ILS OR LOC RWY 32	4	NEWTON	IA		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
953	950	ILS OR LOC RWY 32	3	05/24/2018	0E	2015
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-MGX		5 SEPTEMBER 2024	09/05/2024			

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TNU VOR/DME		MATAG/TNU 13.09 DME/RADAR					142.80	13.09	3000

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.01 NM AFTER MATAG/TNU 13.09 DME/RADAR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT TNU VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 250 AND DSM VORTAC R-042 TO MIXIN/DSM VORTAC 16.43 DME AND HOLD.

PROFILE:

1.	PT	L	SIDE OF COURSE	141.22	OUTBOUND	3000	FT WITHIN	10	MILES OF	MATAG/TNU 13.09 DME/RADAR (IAF)
2.										
3.	FAC:	321.22	FAF:	MATAG/TNU 13.09 DME/RADAR	DIST FAF TO MAP:	5.01	DIST FAF TO THLD:	5.01		
4.	MIN ALT:	MATAG/TNU 13.09 DME/RADAR 2600								
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:	1052				
6.	MIN GS INCPT:	2600	GS ALT AT PFAF:	MATAG/TNU 13.09 DME/RADAR 2600	OM:		MM:		IM:	
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	58.6				
8.	MSA FROM:	TNU VOR/DME 180-360 4000, 360-180 2700								



EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 32 ALL CATS VISIBILITY TO 7/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 147.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE MIXIN, RT, 222.29 INBOUND.
FAS OBST: 1132 AAO 413718N/0925827W.
CHART VDP AT 9.36 DME.
DISTANCE VDP TO THLD 1.27 NM.
CHART IN PLANVIEW: MIXIN.
CHART IN PLANVIEW: (CFBXR) (413126.57N/0925139.76W).

MINIMUMS:

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

ALTERNATE: NA ☒

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
S-ILS 32	1150	1/2	200	1150	1/2	200	1150	1/2	200	1150	1/2	200			
S-LOC 32	1400	1/2	450	1400	1/2	450	1400	7/8	450	1400	7/8	450			
CIRCLING	1420	1	467	1440	1	487	1520	1 1/2	567	1600	2	647			

CHANGES - REASONS

1. EQUIPMENT REQUIREMENTS NOTES: MOVED AND UPDATED "CHART PLANVIEW NOTE: DME AND RADAR REQUIRED" FROM NOTES AND ADDITIONAL FLIGHT DATA TO EQUIPMENT REQUIREMENTS NOTES: "DME AND RADAR REQUIRED" – IAW 8260.19I 8-6-8.
2. NOTES: CHANGED CHART NOTE FROM "FOR INOPERATIVE MALSR, INCREASE ILS ALL CATS VISIBILITY TO 7/8 SM" TO "FOR INOPERATIVE ALS, INCREASE S-ILS 32 ALL CATS VISIBILITY TO 7/8 SM" - IAW 8260.19I 8-6-11D.
3. ADDITIONAL FLIGHT DATA: FAS OBST CHANGED FROM "1139 AAO 413701N/0925820W" TO "1132 AAO 413718N/0925827W" – NEW OBSTACLE EVALUATION.
4. ADDITIONAL FLIGHT DATA: REMOVED *LOC ONLY – NO LONGER REQUIRED IAW 8260.19I 8-6-10M.
5. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" – NO LONGER REQUIRED IAW MEMO #279: REVISED CIRCLING MANEUVERING AREA CRITERIA IMPLEMENTATION PLAN.

