

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> GKY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> ARLINGTON	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 628	<u>TDZE</u> 628	<u>SUPERSEDED</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 11/30/2023
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 6E
				<u>EPOCH YEAR</u> 2000
				<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>
AKEMN	IAF	RYANE		TF	FB	1.00	087.60	5.36	2100
RYANE	IF	IRVNN		TF	FB	1.00	140.82	6.82	1700
IRVNN	FAF	TONNE/1.17 NM TO CAVOS		TF	FB	0.30	148.99	1.57	
TONNE/1.17 NM TO CAVOS		CAVOS	MAP	TF	FO	0.30	148.99	1.17	
CAVOS	MAP	1028 MSL		CA			148.99		
1028 MSL		ZEXON		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: CAVOS

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 3000 DIRECT ZEXON AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT RYANE					
3. FAC: 148.99	FAF: IRVNN		DIST FAF TO MAP: 2.74	DIST FAF TO THLD: 3.23	
4. MIN ALT: RYANE 2100, IRVNN 1700, TONNE/1.17 NM TO CAVOS 1200					
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 NOT CLEAR	20:1: IS CLEAR	TCH:		
8. MSA FROM: RW16 3600					



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 13.02 DEGREES.
HOLD N, RT, 200.00 INBOUND.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
IRVNN TO RW16: 3.00/42.

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	1040	1	412	1040	1	412	1040	1 1/8	412		NA				
CIRCLING	1100	1	472	1140	1	512	1220	1 1/2	592		NA				

CHANGES - REASONS

- 1) TERMINAL ROUTES -- AKEMN TO RYANE COURSE CHANGED FROM 075.66 TO 087.60, DISTANCE CHANGED FROM 6.13 TO 5.36, AND ALTITUDE CHANGED FROM 2200 TO 2100 -- FIXES MOVED AS PER FPT/ATC REQUEST
- 2) TERMINAL ROUTES -- RYANE TO IRVNN COURSE CHANGED FROM 141.76 TO 140.82, DISTANCE CHANGED FROM 6.15 TO 6.82, AND ALTITUDE FROM 2200 TO 2100-- FIXES MOVED AS PER FPT/ATC REQUEST
- 3) TERMINAL ROUTES -- CHANGED FROM "TONNE/1.66 NM TO RWY 16" TO "TONNE/1.17 NM TO CAVOS" -- MAP CHANGED FROM LTP TO FTP
- 4) TERMINAL ROUTES -- IRVNN TO TONNE COURSE CHANGED FROM 162.01 TO 148.99, DISTANCE CHANGED FROM 3.14 TO 1.57- FIXES MOVED AS PER FPT/ATC REQUEST
- 5) TERMINAL ROUTES -- CHANGED MAP FROM RWY16 TO CAVOS FIX -- PER 8260.3F AND 8260.19J
- 6) TERMINAL ROUTES -- TONNE TO CAVOS DISTANCE CHANGED FROM 1.66 TO 1.17 -- FIX MOVED AND FAC OFFSET 13.02 DEGREES AS PER FPT/ATC REQUEST
- 7) TERMINAL ROUTES -- TONNE TO FTP COURSE CHANGED FROM 162.01 TO 148.99 -- FIX MOVED AND FAC OFFSET 13.02 DEGREES AS PER FPT/ATC REQUEST
- 8) TERMINAL ROUTES -- CAVOS TO CA LEG (1028 MSL) COURSE CHANGED FROM 162.01 TO 148.99 -- FAC OFFSET 13.02 DEGREES AS PER FPT/ATC REQUEST
- 9) PROFILE LINE 3 -- FAC CHANGED FROM 162.01 TO 148.99 -- IF AND FAF MOVED AS PER FPT/ATC REQUEST.
- 10) PROFILE LINE 3 -- DIST FAF TO MAP CHANGED FROM 4.80 TO 2.74 -- MAP MOVED FROM RWY16 LTP TO CAVOS FIX AS PER FPT/ATC REQUEST
- 11) PROFILE LINE 3 -- DIST FAF TO THLD CHANGED FROM 4.80 TO 3.23 -- LTP REPLACED BY FTP DUE TO FAC OFFSET AS PER FPT/ATC REQUEST
- 12) ADDITIONAL FLIGHT DATA: ADDED CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 13.02 DEGREES - PER 8260.19J
- 13) ADDITIONAL FLIGHT DATA -- DELETED "CHART VDP AT 1.16 NM TO RW16" - PER 8260.3F
- 14) ADDITIONAL FLIGHT DATA -- FAS OBST CHANGED FROM "780 TREE 324101N/0970628W" TO "783 TREE 324136N/0970633W" -- NEW TARGETS EVALUATION
- 15) MOVED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND PRAIRIE MUNI ALTIMETER SETTING" TO GENERAL REMARKS, AND UPDATED IT TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GPM ALTIMETER SETTING AND INCREASE ALL MDAS 0 FEET" - PER 8260.19J



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: ZFW, DFW APP CON, GKY ATCT, AMGR

FLIGHT CHECKED BY

HANNAH WIESNESKI

Digitally signed by

ERIC N SUSKI

May 01, 2025

OFFICE

AJF

DATE

04/22/2025

DEVELOPED BY

LIAM DONAHUE (RONI SECAIDA)

Digitally signed by

ERIC N SUSKI

May 01, 2025

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AJV-33

DATE

02/04/2025

APPROVED BY

JOHN BORDY

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May 01, 2025

OFFICE

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DATE

02/04/2025

TITLE

MANAGER



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

<u>AIRPORT ID</u> GKY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>AMDT NO.</u> 1	<u>CITY</u> ARLINGTON	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 628	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM
AKEMN

TO
RYANE

<u>RNP</u> 1.00	<u>DISTANCE</u> 5.36	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
ANTENNA (48-079752)	324756.37N/0971744.25W	1054	20	3	1A	1000					2100
TERRAIN	355024.00N/0971733.00W	666 (700)								AS1000	1700

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM
RYANE

TO
IRVNN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	6.82										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-004305)	324422.71N/0970643.45W	1043	20	10	1B	500					1600
TERRAIN	324312.00N/0970806.00W	669 (700)								AS1000	1700

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: LNAV

FROM

IRVNN

TO

TONNE/1.17 NM TO CAVOS

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.57										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (48-001983)	324208.00N/0970651.00W	834	250	50	4D	250				AC50 AT66	1200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

TONNE/1.17 NM TO CAVOS

TO

CAVOS

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	1.17		CAVOS		412						
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	324136.00N/0970633.00W	783	215	8	4B	250					1040

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM
CAVOS

TO
ZEXON

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>	<u>HMAS</u> 940					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				3000
TOWER (48-003407)	323638.51N/0971003.51W	1349	20	3	1A	1000					2400
TERRAIN	322636.00N/0971336.00W	839 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
TREE	324048.00N/0970651.00W	1.30	472	796	215	8	4B	300			1100
CATEGORY B											
TANK (48-028580)	324134.59N/0970718.64W	1.83	512	828	20	3	1A	300			1140
CATEGORY C											
TOWER (48-011297)	323925.12N/0970807.07W	2.87	592	856	250	50	4D	300		AC50	1220

CIRCLING REMARKS:

MSA

CENTER
RW16

RADIUS
25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TOWER (48-008489)	323502.67N/0965748.75W	122	8.5	2549	50	20	2C	1000			3600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

REGIONAL APP CON, GKY TOWER, ZFW ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	GKY	24	GKY	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3P	GPM	24	GPM	3.18	Y	0

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KGKY 628, KGPM 588
RA = 0.0

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW16 - MIRL, REIL, PAPI-4L		NPI-G	
RW34 - MALSR (PCL), MIRL, PAPI-4L		PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	42.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☐	3000FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LNAV
34:1	
681 TREE (48-038345) 324033.4300N/0970554.3800W (13.82)	
PENETRATIONS REMARKS:	



HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - LOCATED WITHIN 0.5 NM FROM FINAL FIX.
PRECIPITOUS TERRAIN EVALUATION COMPLETED
VEGETATION HEIGHT100 FT.
CONTINGENCY NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GPM ALTIMETER SETTING.
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	3.23
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	154.99
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	700
DISTANCE FROM	FAF	TO 1500FT POINT	6.82
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.60
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	146.82
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	700

THRESHOLD COORDINATES (IF STR-IN)
ARP COORDINATES
RUNWAY APCH END AND DIST FURTHEST FROM ARP
FAF COORDINATES
FIX NAME COORDINATES

324019.36N/0970546.79W
323949.90N/0970539.40W
RUNWAY 16 DISTANCE 0.50 NM
324317.68N/0970716.43W

REMARKS

PART E: PREPARED BY

NAME

LIAM DONAHUE (RONI SECAIDA)

OFFICE

AJV-33

DATE

02/04/2025

TITLE

AERONAUTICAL INFORMATION SPECIALIST

