

**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> KGKY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> ARLINGTON	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 628	<u>TDZE</u> 628	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
AKEMN	IAF	RYANE		TF	FB	1.00	075.66	6.13	2200
RYANE	IF	IRVNN		TF	FB	1.00	141.76	6.15	2200
IRVNN	FAF	TONNE/1.66 NM TO RW16		TF	FB	0.30	162.01	3.14	
TONNE/1.66 NM TO RW16		RW16	MAP	TF	FO	0.30	162.01	1.66	
RW16	MAP	1028 MSL		CA			162.01		
1028 MSL		ZEXON		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**  
LNAV: RW16

**MISSED APPROACH INSTRUCTIONS:**  
CLIMBING RIGHT TURN TO 3000 DIRECT ZEXON AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZFW, DFW APP CON, GKY ATCT, AMGR

**FLIGHT CHECKED BY**

ANTHONY D VALLERA

**DAVID TEFFETELLER**

**OFFICE**

FPO

**DATE**

08/16/2023

*Digitally signed by*

Aug 17, 2023

**DEVELOPED BY**

DAVID TEFFETELLER (TROY PURNELL)

**DAVID TEFFETELLER**

**OFFICE**

AJV-A433

**DATE**

03/08/2023

Aug 17, 2023

*Digitally signed by*

**APPROVED BY**

DAVID TEFFETELLER

**DAVID TEFFETELLER**

**OFFICE**

AJV-A433

**DATE**

**TITLE**  
MANAGER

Aug 17, 2023



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

<u>AIRPORT ID</u> KGKY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 16	<u>AMDT NO.</u> ORIG	<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

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS  
6.13

<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	325124.00N/0971248.00W	666 (700)								AS1500	2200

**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

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS  
6.15

<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 (48-005423)	324855.46N/0970721.03W	1049	500	50	5D	500					1600
TERRAIN	325130.00N/0971009.00W	656 (700)								AS1500	2200

**COMPUTATIONS**

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

**SEGMENT REMARKS:**





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628

**FACILITY**  
RNAV

**MISSED APPROACH : LNAV**

**FROM**  
RW16 **TO**  
ZEXON

<b>RNP</b>	<b>DISTANCE</b>	<b>PAT</b>	<b>MAP</b>	<b>HAT</b>			<b>HMAS</b> 940		<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
<b>OBSTRUCTION</b>	<b>COORDINATES</b>		<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
								ASC			3000
TOWER (48-013565)	322518.00N/0971242.00W		1089	250	50	4D	1000				2100
TERRAIN	322639.00N/0971333.00W		833 (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

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>RADIUS</b>	<b>HAA</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
<b>CATEGORY A</b>											
TREE	324047.39N/0970645.55W	1.30	472	800	50	20	2C	300			1100
<b>CATEGORY B</b>											
TANK (48-028580)	324134.59N/0970718.64W	1.83	512	828	20	0	1A	300			1140
<b>CATEGORY C</b>											
TOWER (48-011297)	323925.12N/0970807.07W	2.87	592	856	250	50	4D	300		AC50	1220

**CIRCLING REMARKS:**





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**PART B: SUPPLEMENTAL DATA**

COMMUNICATIONS WITH

REGIONAL APP CON, GKY TOWER, ZFW ARTCC

WX SERVICE  
ASOS

LOCATION  
KGKY

HRS OPERATION  
24

ALTIMETER SOURCE  
KGKY

DISTANCE  
0

SERVICE-A  
Y

ADJUSTMENTS  
0

BACK-UP WX SERVICE  
AWOS-3P

LOCATION  
KGPM

HRS OPERATION  
24

ALTIMETER SOURCE  
KGPM

DISTANCE  
3.18

SERVICE-A  
Y

ADJUSTMENTS  
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

FT FROM THRESHOLD

DISPLACED THRESHOLD DISTANCE

ON CENTERLINE

FT FROM CENTERLINE

CRITICAL TEMPERATURES

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:





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**"VISUAL PORTION OF FINAL" PENETRATIONS**

Final Type	LNAV
34:1	
681 TREE (48-038345) 324033.43N/0970554.38W (13.81)	

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or  
**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED  
VEGETATION HEIGHT 100 FT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1043 TOWER (48-004305) 324422.71N/0970643.45W.  
ORDER 8260.3 CHAPTER 2 APPLIED TO 834 TOWER (48-001983) 324208.00N/0970651.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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**PART D: AIRSPACE**

**DOCKET #**

**ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE**

<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1000FT POINT</b>	<b>3.13</b>
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1000FT POINT</b>	<b>1.20</b>
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>168.01</b>
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>700</b>
<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1500FT POINT</b>	<b>4.80</b>
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1500FT POINT</b>	<b>2.13</b>
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>168.01</b>
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>700</b>

**THRESHOLD  
COORDINATES** 324019.36N/0970546.79W  
**(IF STR-IN)**

**ARP COORDINATES** 323949.90N/0970539.40W

**RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP** RUNWAY 16 DISTANCE 0.50 NM

**FAF  
COORDINATES** 324501.87N/0970657.73W

**FIX NAME  
COORDINATES** IAF AKEMN: 324921.25N/0971803.00W, IF RYANE: 325014.50N/0971051.00W

**REMARKS**



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**PART E: PREPARED BY**

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DAVID TEFFETELLER (TROY PURNELL)	AJV-A433	03/08/2023	AERONAUTICAL INFORMATION SPECIALIST

