

**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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX		
<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SUPERSEDED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>
909	903	RNAV (GPS) RWY 16	1B	08/17/2017	4E	2015
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
RNAV			ROUTINE			

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>
CWK VORTAC		JESRO		TF	FB	1.00	294.10	24.10	3000
AMUSE		CIMOM		TF	FB	1.00	056.37	9.36	3100
JESRO	IAF	DWELT	NOPT	TF	FB	1.00	254.81	5.20	3000
CIMOM	IAF	DWELT	NOPT	TF	FB	1.00	074.71	5.20	3000
DWELT	IF/IAF	KEMPP		TF	FB	1.00	164.76	5.70	2800
KEMPP	FAF	CEPIR/1.90 NM TO RW16		TF	FB	0.30	164.77	3.99	
CEPIR/1.90 NM TO RW16		RW16	MAP	TF	FO	0.30	164.77	1.90	
RW16	MAP	1380 MSL		CA			164.77		1380
1380 MSL		DWELT		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LP: RW16
LNAV: RW16

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1380, THEN CLIMBING LEFT TURN TO 3000 DIRECT DWELT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX

PROFILE:									
1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)			
2.	HOLD N DWELT, RT, 164.76 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000.								
3.	FAC: 164.77	FAF: KEMPP	DIST FAF TO MAP:	5.89	DIST FAF TO THLD:	5.89			
4.	MIN ALT: DWELT 3000, KEMPP 2800, CEPIR/1.90 NM TO RW16 1520								
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 NOT CLEAR	TCH:					
8.	MSA FROM: RW16 4200								

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED.

CHART NOTE: USE RYW ALTIMETER SETTING; WHEN NOT RECEIVED, USE AUS ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CWK VORTAC AIRWAY RADIALS 222 CW 004.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AMUSE ON V163 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART RYW AWOS-3

CHART PROFILE NOTE: VISUAL SEGMENT-OBSTACLES.

FAS OBST: 1052 AAO 302124N/0975948W, 1042 AAO 302154N/0975951W.

WAAS CHANNEL # 42531

REFERENCE PATH ID: W16A

LTP HAE: 244.1 M

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
LP MDA	1360	1	457	1360	1	457		NA			NA				
LNAV MDA	1380	1	477	1380	1	477		NA			NA				
CIRCLING	1660	1	751	1660	1	751		NA			NA				



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX

CHANGES - REASONS

- 1. INCORPORATED CHANGES FROM 1A AND 1B.
- 2. MSA CHANGED FROM 4100 TO 4200 - NEW CONTROLLING OBSTACLE.
- 3. CHANGED FROM LP HAT/DA 437/1340,LNAV HAT/DA 457/1360 TO LP HAT/DA 457/1360,LNAV HAT/DA 477/1380 - NEW CONTROLLING OBSTACLE.
- 4. CHANGED FROM CIRCLING HAA/MDA CAT A 711/1620 CAT B 1051/1960 TO CAT A/B 751/1660 - NEW CONTROLLING OBSTACLE.
- 5. CA CHANGED FROM 1309 TO 1380 - NEW EVALUATION REMOTE, WITH RA ADJUSTMENT.
- 6. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART FAS OBST: 1009 TREE 302153N/0975951W" TO "CHART FAS OBST: 1052 AAO 302124N/0975948W 1042 AAO 302154N/0975951W".
- 7. ADDED "20:1 IS NOT CLEAR: TO PROFILE DATA.
- 8. CHANGED FAS DATA CLOCK INFORMATION FPAP LATITUDE, LONGITUDE AND CRC REMAINDER FROM "302010.8565N, 0975922.6760W , A7093053" TO "302010.8555N , 0975922.6820W , 20E4F5EA".
- 9. REMOVED CHART NOTE "DME/DME RNP-0.3 NA." - NOT REQUIRED.
- 10. ADDED PBN REQUIREMENT NOTE: "RNP APCH - GPS".
- 11. MISSEWD APPROACH INSTRUCTIONS CHANGED FROM "CLIMBING LEFT TURN TO 3000 DIRECT DWELT AND HOLD." TO "CLIMB TO 1380, THEN CLIMBING LEFT TURN TO 3000 DIRECT DWELT AND HOLD." - IAW CRITERIA.
- 12. CHANGED HELICOPTER CHART NOTE TO READ "RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED." - IAW CRITERIA.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZHU, AUS APP CON, AMGR, CENTRAL FPO

FLIGHT CHECKED BY

COLTON CROWDER

Digitally signed by OFFICE DATE
RAKE MCGRAW AJF 09/10/2026
Sep 14, 2026

DEVELOPED BY

ALLAN WILL (JUSTIN GRAY)

Digitally signed by OFFICE DATE
RAKE MCGRAW AJV-A33 05/26/2026
Sep 14, 2026

APPROVED BY

ALLAN WILL

Digitally signed by OFFICE DATE TITLE
RAKE MCGRAW AJV-A33 11/19/2026
Sep 14, 2026
MANAGER



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	3R9
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	302138.4600N
LTP/FTP LONGITUDE	0975942.7100W
LTP/FTP ELLIPSOIDAL HEIGHT	+02441
FPAP LATITUDE	302010.8555N
FPAP LONGITUDE	0975922.6820W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1792
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0
CRC REMAINDER	20E4F5EA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02693
FPAP ORTHOMETRIC HEIGHT	+02693



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM CWK VORTAC **TO** JESRO

RNP 1.00 **DISTANCE** 24.10 **PAT** **MAP** **HAT** **HMAS**

<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 (48-012268)	303432.93N/0975516.53W	1515	50	20	2C	1000				AT485	3000
TERRAIN	303336.00N/0975624.00W	1167 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM AMUSE **TO** CIMOM

RNP 1.00 **DISTANCE** 9.36 **PAT** **MAP** **HAT** **HMAS**

<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 (48-009314)	302635.00N/0981449.00W	1875	500	125	5E	1000				AT225	3100
TERRAIN	302630.00N/0981457.00W	1530 (1500)								AS1500	3000

COMPUTATIONS

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

SEGMENT REMARKS:

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

INITIAL
FROM
JESRO

TO
DWELT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	5.20										
<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>
AAO	303451.00N/0980124.00W	1523	215	8	4B	1000				AT477	3000
TERRAIN	303509.00N/0980133.00W	1322 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL
FROM
CIMOM

TO
DWELT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	5.20										
<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>
AAO	303342.00N/0980527.00W	1559	215	8	4B	1000				AT441	3000
TERRAIN	303342.00N/0980530.00W	1358 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

INTERMEDIATE
FROM
DWELT (IF/IAF)

TO
KEMPP

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
1.00	5.70										
<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>
AAO	303451.00N/0980127.00W	1523	215	8	4B	500				AT177	2200
TERRAIN	303345.00N/0980139.00W	1318 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LP
FROM
KEMPP

TO
CEPIR/1.90 NM TO RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
0.30	3.99										
<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>
AAO	302606.00N/0980051.00W	1136	215	8	4B	250				DG29 RA105	1520

COMPUTATIONS

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

SEGMENT REMARKS:



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

FINAL: LP STEPDOWN

FROM
CEPIR/1.90 NM TO RW16

TO
RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	1.90		RW16	457	

<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>
AAO	302154.00N/0975951.00W	1042	215	8	4B	250				DG3 RA65	1360

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM
KEMPP

TO
CEPIR/1.90 NM TO RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	3.99				

<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>
AAO	302606.00N/0980051.00W	1136	215	8	4B	250				DG29 RA105	1520

COMPUTATIONS

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

SEGMENT REMARKS:



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

FINAL: LNAV STEPDOWN

FROM

CEPIR/1.90 NM TO RW16

TO

RW16

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
0.30	1.90		RW16	477	

<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>
AAO	302124.00N/0975948.00W	1052	215	8	4B	250				DG13 RA65	1380

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

DWELT

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
		P-5			

<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>
AAO	304021.00N/0980921.00W	1693	215	8	4B	1000				AT107	2800
TERRAIN	304021.00N/0980921.00W	1492 (1500)								AS1500	3000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

MISSED APPROACH: LP
FROM
RW16

TO
DWELT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>			<u>HMAS</u>	
0.30										1175	
<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
AAO	303348.00N/0980445.00W	1526	215	8	4B	1000					2600
TERRAIN	303306.00N/0980157.00W	1309 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV
FROM
RW16

TO
DWELT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30-1.00											1195
<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
AAO	303348.00N/0980445.00W	1526	215	8	4B	1000					2600
TERRAIN	303306.00N/0980157.00W	1309 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:



AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☐ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	302015.00N/0980036.00W	1.30	751	1278	215	8	4B	300			1660
CATEGORY B											
TREE	301945.00N/0980048.00W	1.84	751	1291	215	8	4B	300			1660

CIRCLING REMARKS:

MSA CENTER	RADIUS
RW16	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (48-005422)	304334.30N/0975925.40W	357	21.9	3125	250	50	4D	1000			4200

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:
PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
AUS APP CON, SJT FSS, ZHU ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	RYW	24	RYW	8.57	Y	65
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	AUS	24	AUS	19.47	Y	96

WX REMARKS:
RASS PRESSURE PATTERNS SAME
K3R9 909.4
KRYW 1230.9
RA = 64.66
KAUS 541.6
RA = 96.30



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW16		BSC-G	
RW34		BSC-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
-------------------------	---------------------------	------------	------------------------	--------------------------	-------------------	------------

FINAL APPROACH COURSE AIMING				
RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	782
ON CENTERLINE	☒	FT FROM CENTERLINE		

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
---------------------	----------------------	------------	----------------

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING K3R9:RW16				
20:1					
992 VEG (VATP228) 302142.00N/0975945.00W (99.40)	975 VEG (VATP253) 302142.00N/0975942.00W (85.55)				
1041 VEG (VATP168) 302154.00N/0975951.00W (84.03)	1038 VEG (VATP199) 302154.00N/0975948.00W (83.31)				
989 VEG (VATP229) 302145.00N/0975945.00W (81.25)	1018 VEG (VATP198) 302151.00N/0975948.00W (78.49)				
1002 VEG (VATP197) 302148.00N/0975948.00W (76.95)	1038 VEG (VATP200) 302157.00N/0975948.00W (68.45)				
1005 VEG (VATP231) 302151.00N/0975945.00W (67.92)	972 VEG (VATP254) 302145.00N/0975942.00W (67.40)				
1018 VEG (VATP232) 302154.00N/0975945.00W (66.18)	1038 VEG (VATP169) 302157.00N/0975951.00W (65.89)				
982 VEG (VATP230) 302148.00N/0975945.00W (59.82)	972 VEG (VATP255) 302148.00N/0975942.00W (52.54)				
985 VEG (VATP256) 302151.00N/0975942.00W (50.80)	1012 VEG (VATP233) 302157.00N/0975945.00W (44.76)				
1028 VEG (VATP201) 302200.00N/0975948.00W (43.74)	1028 VEG (VATP170) 302200.00N/0975951.00W (41.18)				
985 VEG (VATP257) 302154.00N/0975942.00W (35.93)	1002 VEG (VATP234) 302200.00N/0975945.00W (20.05)				
975 VEG (VATP258) 302157.00N/0975942.00W (11.22)	989 VEG (VATP259) 302200.00N/0975942.00W (9.48)				
1005 VEG (VATP202) 302203.00N/0975948.00W (5.91)	1005 VEG (VATP171) 302203.00N/0975951.00W (3.35)				
998 VEG (VATP235) 302203.00N/0975945.00W (1.90)					



AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV
FINAL TYPE	CIRCLING K3R9:RW34					
20:1						
1008 VEG (VATP18) 302112.00N/0975936.00W (98.89)			1008 VEG (VATP17) 302109.00N/0975936.00W (84.03)			
1012 VEG (VATP16) 302106.00N/0975936.00W (72.44)			1018 VEG (VATP15) 302103.00N/0975936.00W (64.14)			
1002 VEG (VATP50) 302106.00N/0975933.00W (60.04)			1008 VEG (VATP49) 302103.00N/0975933.00W (51.74)			
1012 VEG (VATP14) 302100.00N/0975936.00W (42.72)			1005 VEG (VATP48) 302100.00N/0975933.00W (33.59)			
995 VEG (VATP80) 302100.00N/0975930.00W (21.19)			998 VEG (VATP13) 302057.00N/0975936.00W (14.73)			
992 VEG (VATP47) 302057.00N/0975933.00W (5.61)						
FINAL TYPE	LP/LNAV					
20:1						
992 VEG (VATP145) 302142.00N/0975945.00W (99.40)			975 VEG (VATP170) 302142.00N/0975942.00W (85.55)			
1041 VEG (VATP98) 302154.00N/0975951.00W (84.03)			1038 VEG (VATP122) 302154.00N/0975948.00W (83.31)			
989 VEG (VATP146) 302145.00N/0975945.00W (81.25)			1018 VEG (VATP121) 302151.00N/0975948.00W (78.49)			
1002 VEG (VATP120) 302148.00N/0975948.00W (76.95)			1038 VEG (VATP123) 302157.00N/0975948.00W (68.45)			
1005 VEG (VATP148) 302151.00N/0975945.00W (67.92)			972 VEG (VATP171) 302145.00N/0975942.00W (67.40)			
1018 VEG (VATP149) 302154.00N/0975945.00W (66.18)			1038 VEG (VATP99) 302157.00N/0975951.00W (65.89)			
982 VEG (VATP147) 302148.00N/0975945.00W (59.82)			972 VEG (VATP172) 302148.00N/0975942.00W (52.54)			
985 VEG (VATP173) 302151.00N/0975942.00W (50.80)			1012 VEG (VATP150) 302157.00N/0975945.00W (44.76)			
1028 VEG (VATP124) 302200.00N/0975948.00W (43.74)			1028 VEG (VATP100) 302200.00N/0975951.00W (41.18)			
985 VEG (VATP174) 302154.00N/0975942.00W (35.93)			1002 VEG (VATP151) 302200.00N/0975945.00W (20.05)			
975 VEG (VATP175) 302157.00N/0975942.00W (11.22)			989 VEG (VATP176) 302200.00N/0975942.00W (9.48)			
1005 VEG (VATP125) 302203.00N/0975948.00W (5.91)			1005 VEG (VATP101) 302203.00N/0975951.00W (3.35)			
998 VEG (VATP152) 302203.00N/0975945.00W (1.90)						
FINAL TYPE	LP/LNAV					
34:1						
969 VEG (VATP79) 302203.00N/0975954.00W (14.62)			972 VEG (VATP153) 302206.00N/0975945.00W (13.67)			
962 VEG (VATP126) 302206.00N/0975948.00W (2.32)			962 VEG (VATP102) 302206.00N/0975951.00W (0.82)			
PENETRATIONS REMARKS:						

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - ALTIMETER ADJUSTMENT IN USE.
THRESHOLD DISPLACED 782 FT.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FLIGHT CHECK RESULTS DO NOT WARRANT A VDA. (PER FC PILOT ERIC WEINGAERTNER; PUBLISHED VDA DOES NOT PROVIDE SATISFACTORY OBSTACLE CLEARANCE DUE TO A RIDGE LINE ON SHORT FINAL).

RWY MARKINGS NSTD-G.

RUNWAY NUMBERS UNCHANGED PER FPT REQUEST.

"COMPUTED DESCENT ANGLE 3.00/TCH 40", REMOVED PER FLIGHT INSPECTION.
NO ADDITIONAL AIRSPACE REQUIRED.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
3R9	RNAV (GPS) RWY 16	1C	LAKEWAY	TX	909	RNAV

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	3.0
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	168.7
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	5.09
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.39
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	168.77
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)	302138.46N/0975942.71W
ARP COORDINATES	302126.97N/0975940.08W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 34 DISTANCE 0.32 NM
FAF COORDINATES	302726.05N/0980102.30W
FIX NAME COORDINATES	

REMARKS

THLD DISPLACED 782FT, ACTUAL COORDINATES: 302146.05N/0975944.45W

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
ALLAN WILL (JUSTIN GRAY)	AJV-A33	05/26/2026	AERONAUTICAL INFORMATION SPECIALIST

