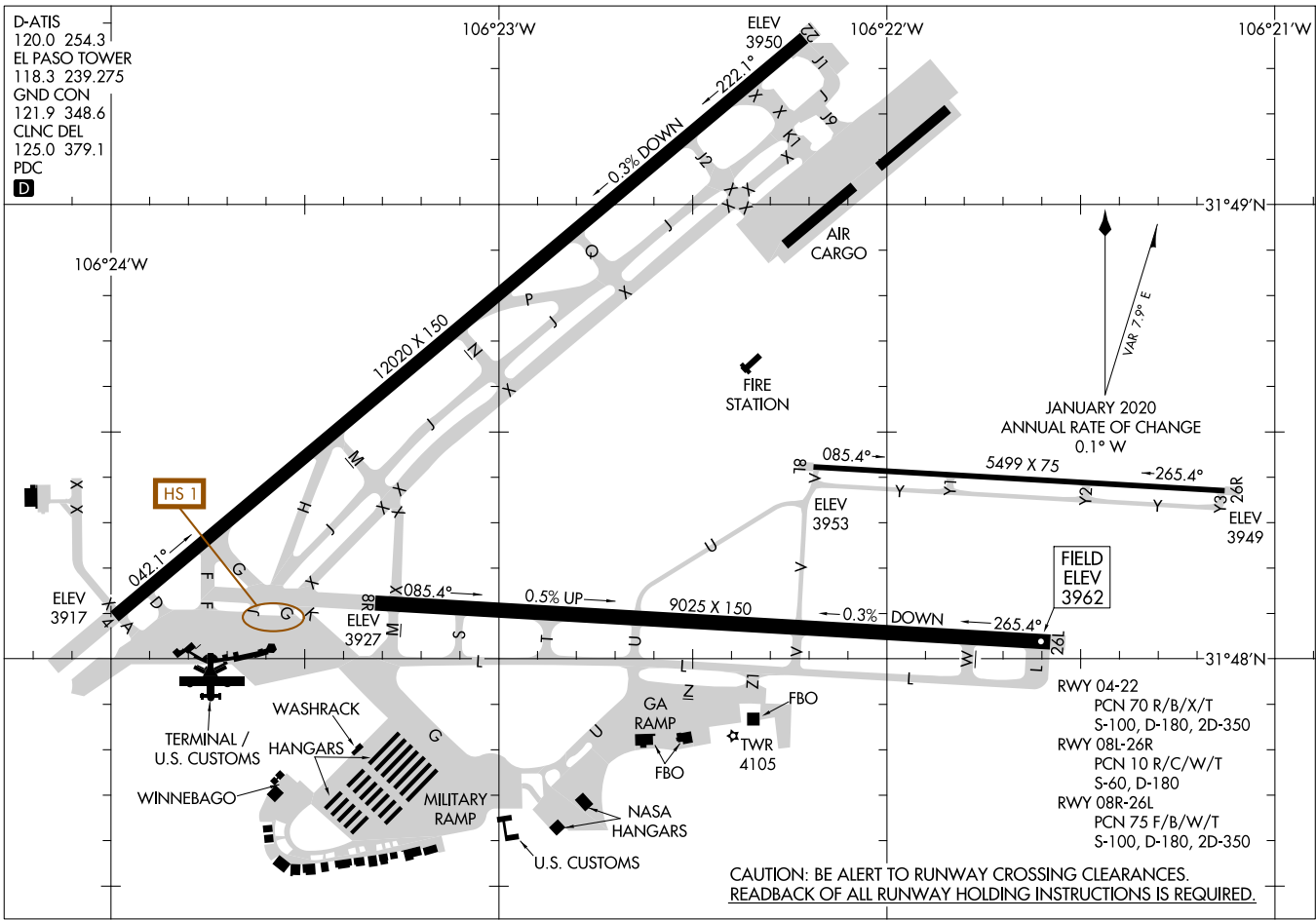


SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

D-ATIS
120.0 254.3
EL PASO TOWER
118.3 239.275
GND CON
121.9 348.6
CLNC DEL
125.0 379.1
PDC



(ATKNN5.ATKNN) 22307
ATKNN FIVE DEPARTURE (RNAV)

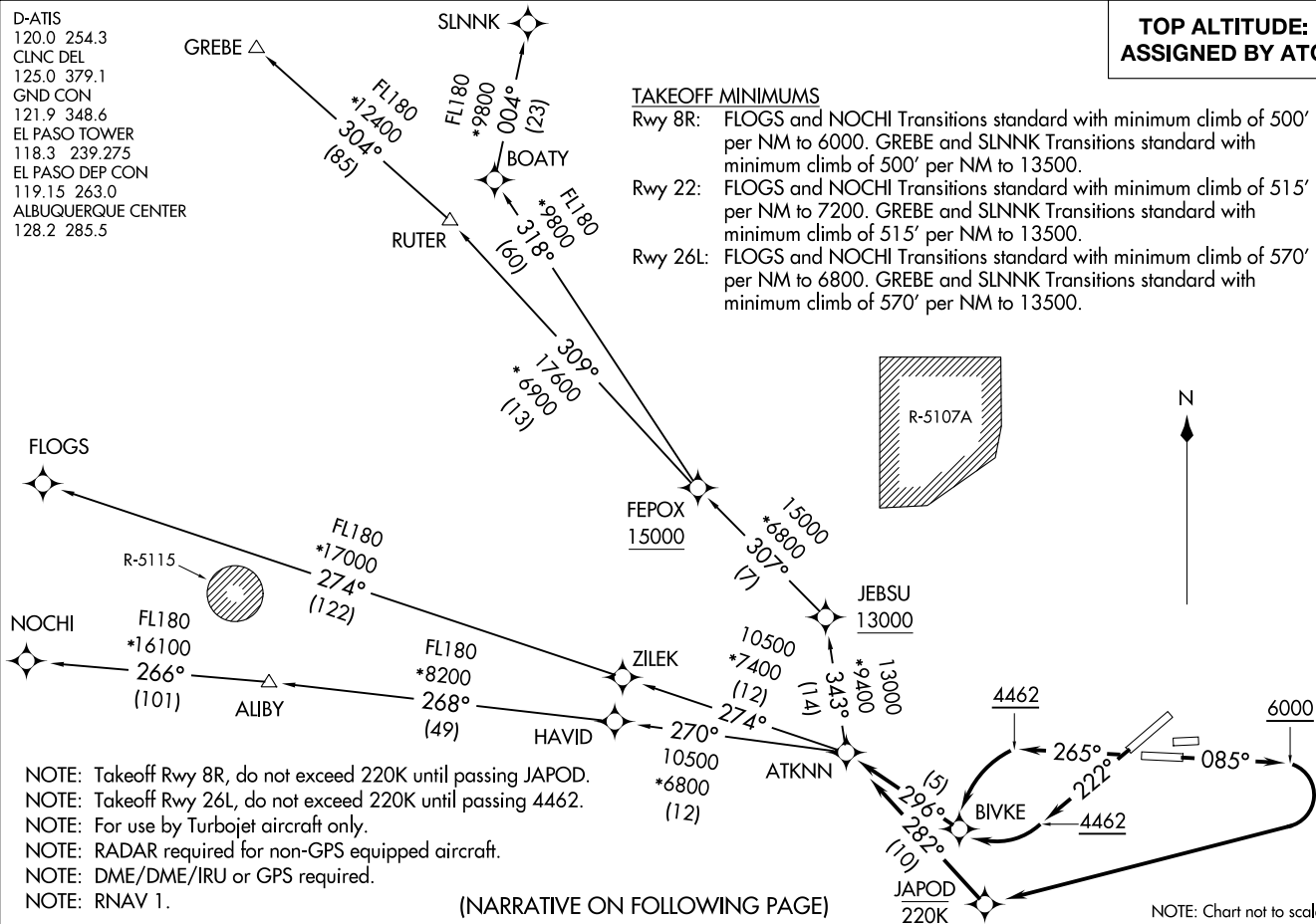
AL-134 (FAA)

EL PASO INTL (ELP)
EL PASO, TEXAS

Rwy 8R: FLOGS and NOCHI Transitions standard with minimum climb of 500' per NM to 6000. GREBE and SLNNK Transitions standard with minimum climb of 500' per NM to 13500.

Rwy 22: FLOGS and NOCHI Transitions standard with minimum climb of 515' per NM to 7200. GREBE and SLNNK Transitions standard with minimum climb of 515' per NM to 13500.

Rwy 26L: FLOGS and NOCHI Transitions standard with minimum climb of 570' per NM to 6800. GREBE and SLNNK Transitions standard with minimum climb of 570' per NM to 13500.



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

ATKNN FIVE DEPARTURE (RNAV)
(ATKNN5.ATKNN) 21 JUL16

EL PASO, TEXAS
EL PASO INTL (ELP)



DEPARTURE ROUTE DESCRIPTION

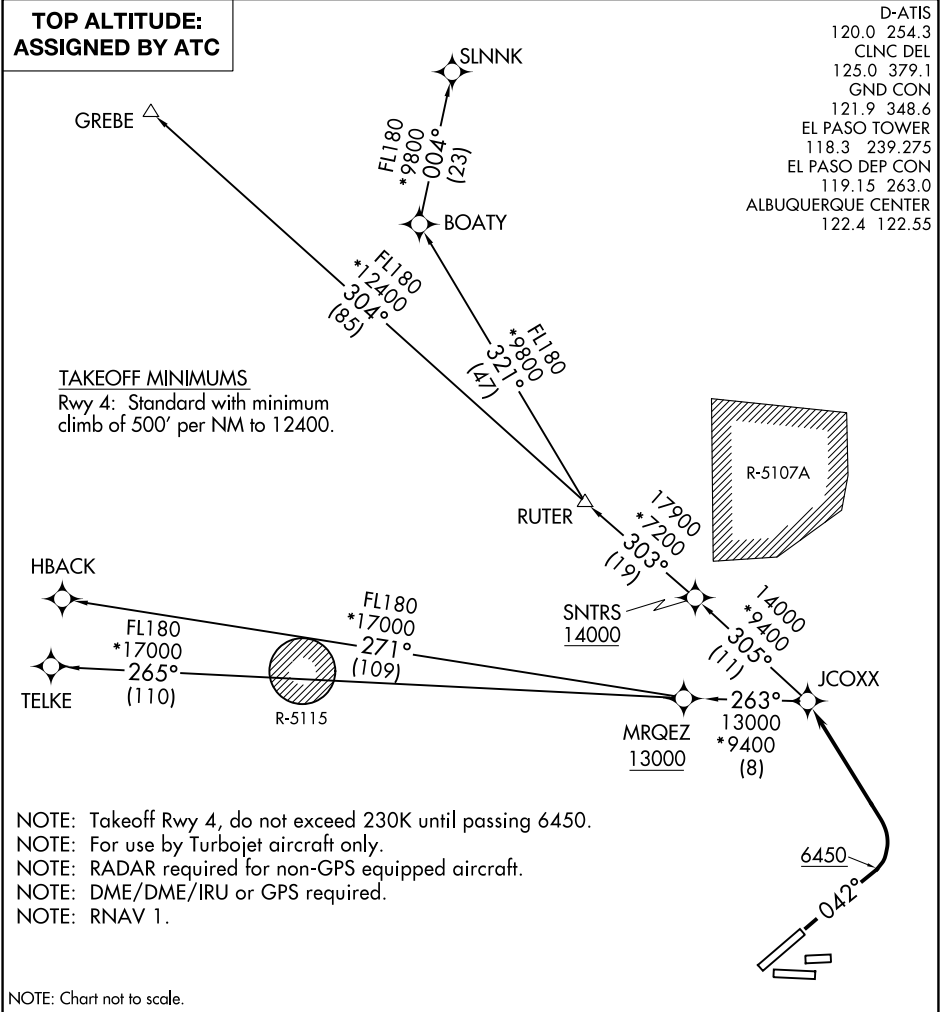
TAKEOFF RWY 8R: Climb heading 085° to 6000, then right turn direct JAPOD, then on depicted route to ATKNN, thence . . .
TAKEOFF RWY 22: Climb heading 222° to 4462, then right turn direct BIVKE, then on depicted route to ATKNN, thence . . .
TAKEOFF RWY 26L: Climb heading 265° to 4462, then left turn direct BIVKE, then on depicted route to ATKNN, thence . . .

. . . (transition). Maintain altitude as assigned by ATC, expect filed altitude 10 minutes after departure.

- FLOGS TRANSITION (ATKNN5.FLOGS)
- GREBE TRANSITION (ATKNN5.GREBE)
- NOCHI TRANSITION (ATKNN5.NOCHI)
- SLNKK TRANSITION (ATKNN5.SLNKK)

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

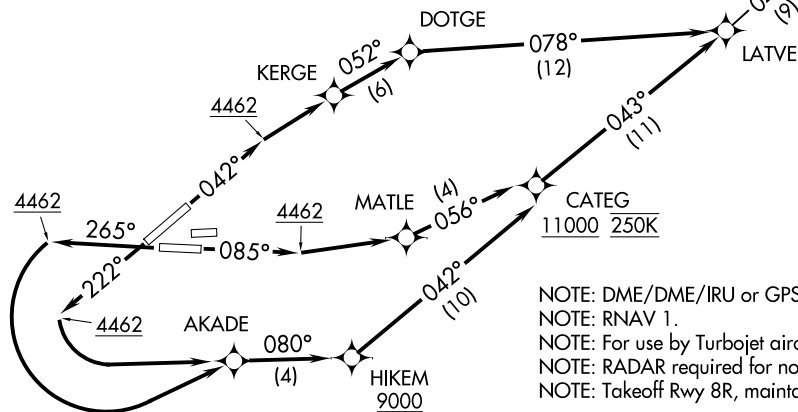
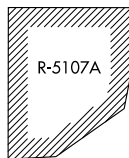


D-ATIS
120.0 254.3
CLNC DEL
125.0 379.1
GND CON
121.9 348.6
EL PASO TOWER
118.3 239.275
EL PASO DEP CON
119.15 263.0
ALBUQUERQUE CENTER
135.875 292.15

**TOP ALTITUDE:
ASSIGNED BY ATC**

TAKEOFF MINIMUMS

Rwys 4, 8R, 22, 26L: Standard with a
minimum climb of 500' per NM to 11000.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 4: Climb heading 042° to 4462, then direct KERGE, then on track 052° to DOTGE, then on track 078° to LATVE. Thence. . . .

TAKEOFF RWY 8R: Climb heading 085° to 4462, then direct MATLE, then on track 056° to cross CATEG at or above 11000, then on track 043° to LATVE. Thence. . . .

TAKEOFF RWY 22: Climb heading 222° to 4462, then left turn direct AKADE, then on track 080° to cross HIKEM at or above 9000, then on track 042° to cross CATEG at or above 11000, then on track 043° to LATVE. Thence. . . .

TAKEOFF RWY 26L: Climb heading 265° to 4462, then left turn direct AKADE, then on track 080° to cross HIKEM at or above 9000, then on track 042° to cross CATEG at or above 11000, then on track 043° to LATVE. Thence. . . .

. . . .on depicted route to CME VORTAC.

CHISUM TRANSITION (LATVE3.CME)

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

(NEVUES3.NEVUE) 1803Z
NEVUE THREE DEPARTURE(RNAV)

AL-134 (FAA)

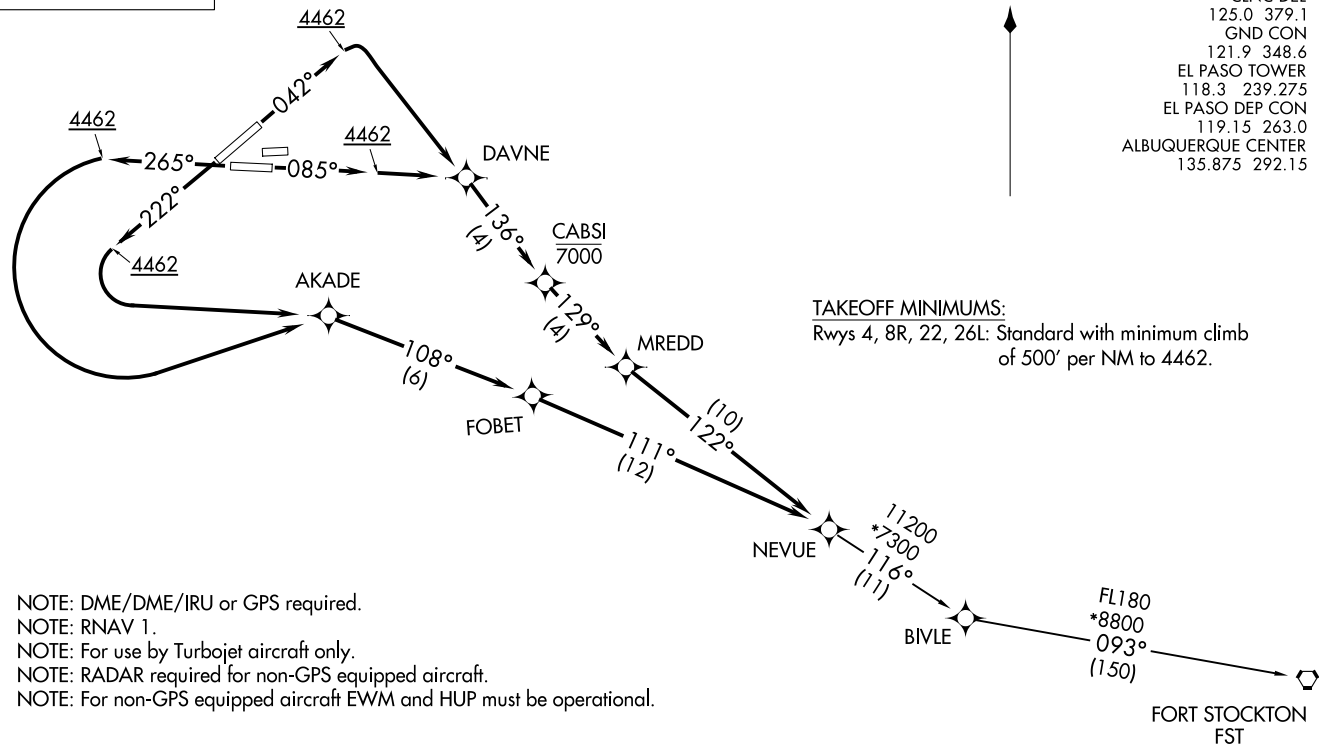
EL PASO INTL (ELP)
EL PASO, TEXAS

D-ATIS
120.0 254.3
CLNC DEL
125.0 379.1
GND CON
121.9 348.6
EL PASO TOWER
118.3 239.275
EL PASO DEP CON
119.15 263.0
ALBUQUERQUE CENTER
135.875 292.15



TAKEOFF MINIMUMS:
Rwys 4, 8R, 22, 26L: Standard with minimum climb
of 500' per NM to 4462.

TOP ALTITUDE:
Assigned by ATC



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

SC-3, 22 FEB 2024 to 21 MAR 2024

NEVUE THREE DEPARTURE(RNAV)
(NEVUES3.NEVUE) 21 JUL 16

EL PASO, TEXAS
EL PASO INTL (ELP)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 4: Climb heading 042° to 4462, then right turn direct DAVNE, then on track 136° to cross CABSI at or below 7000, then on track 129° to MREDD, then on track 122° to NEUVE. Thence. . . .

TAKEOFF RWY 8R: Climb heading 085° to 4462, then direct DAVNE, then on track 136° to cross CABSI at or below 7000, then on track 129° to MREDD, then on track 122° to NEUVE. Thence. . . .

TAKEOFF RWY 22: Climb heading 222° to 4462, then left turn direct AKADE, then on track 108° to FOBET, then on track 111° to NEVUE. Thence. . . .

TAKEOFF RWY 26L: Climb heading 265° to 4462, then left turn direct AKADE, then on track 108° to FOBET, then on track 111° to NEVUE. Thence. . . .

. . . .on depicted route to FST VORTAC.

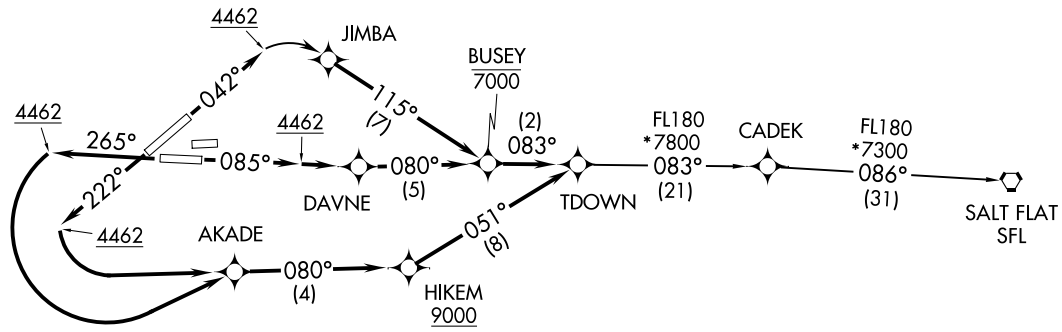
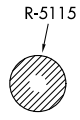
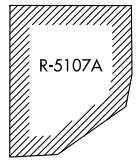
FT STOCKTON TRANSITION (NEVUE3.FST)

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

D-ATIS
120.0 254.3
CLNC DEL
125.0 379.1
GND CON
121.9 348.6
EL PASO TOWER
118.3 239.275
EL PASO DEP CON
119.15 263.0
ABQ CENTER
135.875 292.15

TOP ALTITUDE:
ASSIGNED BY ATC



TAKEOFF MINIMUMS

Rwys 4, 8R: Standard with a minimum climb of 500' per NM to 4462.
Rwys 22, 26L: Standard with a minimum climb of 500' per NM to 9000.

NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: For use by Turbojet aircraft only.
NOTE: RADAR required for non-GPS equipped aircraft.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 4: Climb heading 042° to 4462, then right turn direct JIMBA, then on track 115° to cross BUSEY at or below 7000, then on track 083° to TDOWN. Thence

TAKEOFF RWY 8R: Climb heading 085° to 4462, then direct DAVNE, then on track 080° to cross BUSEY at or below 7000, then on track 083° to TDOWN. Thence

TAKEOFF RWY 22: Climb heading 222° to 4462, then left turn direct AKADE, then on track 080° to cross HIKEM at or above 9000, then on track 051° to TDOWN. Thence

TAKEOFF RWY 26L: Climb heading 265° to 4462, then left turn direct AKADE, then on track 080° to cross HIKEM at or above 9000, then on track 051° to TDOWN. Thence

. . . . on depicted route to SFL VORTAC.

SALT FLAT TRANSITION (TDOWN3.SFL)

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
AUSTIN, TX		
AUSTIN-BERGSTROM INTL (AUS)	HS 1	E service road, Traffic on crossing Twy G and Twy H.
SAN MARCOS RGNL (HYI)	HS 1	Int of Rwy 26 and Rwy 35.
	HS 2	Int of Rwy 31, Twy F and Rwy 35.
EL PASO, TX		
EL PASO INTL (ELP)	HS 1	Rwy 08R apch considered active, do not proceed on or cross without ATC cnc especially when taxiing to Rwy 04 via the terminal ramp.
GEORGETOWN, TX		
GEORGETOWN EXEC (GTU)	HS 1	Int of Twy J and Twy A.
	HS 2	Int of Twy D and Twy A.
HARLINGEN, TX		
VALLEY INTL (HRL)	HS 1	Rwy 31 and Rwy 35R apch ends are closely aligned.
MC ALLEN, TX		
MC ALLEN INTL (MFE)	HS 1	Rwy 14 hold short marking located in a non-standard location.
MIDLAND, TX		
MIDLAND INTL AIR AND SPACE PORT (MAF)	HS 1	Twy B and Twy P merge.
	HS 2	Area not visible from twr.
NEW BRAUNFELS, TX		
NEW BRAUNFELS NTL (BAZ)	HS 1	Rwy 13 and Rwy 17 at Twy D wrong departure risk, and share same hold line at Twy D.
SAN ANGELO, TX		
SAN ANGELO RGNL/MATHIS FLD (SJT)	HS 1	Rwy 18-36 at the int of Rwy 09-27.
	HS 2	Rwy 18-36 at the int of Twy D.
	HS 3	Twy B close proximity to Rwy 18-36 and Rwy 03-21.
SAN ANTONIO, TX		
LACKLAND AFB (KELLY FLD ANNEX) (KSKF)	HS 1	The unpaved portion of the north overrun.
	HS 2	Int of Rwy 16-34, Twy D, and Twy G.
SAN ANTONIO INTL (SAT)	HS 1	Rwy 31L hold short line on Rwy 04.
	HS 2	Twy G and Twy N in close proximity of Rwy 31L.

*See appropriate Chart Supplement HOT SPOT table for additional information.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

HI-VOR or TACAN RMY 26L

VOICAC ELP	ARCH CRS	Rwy Ldg	9025
<u>115.2</u>	<u>245°</u>	THRE	<u>3962</u>
Chon <u>99</u>		Api Elev	<u>3962</u>

AL-134 [USAF]

EL PASO INTL (KELP)

DME required:

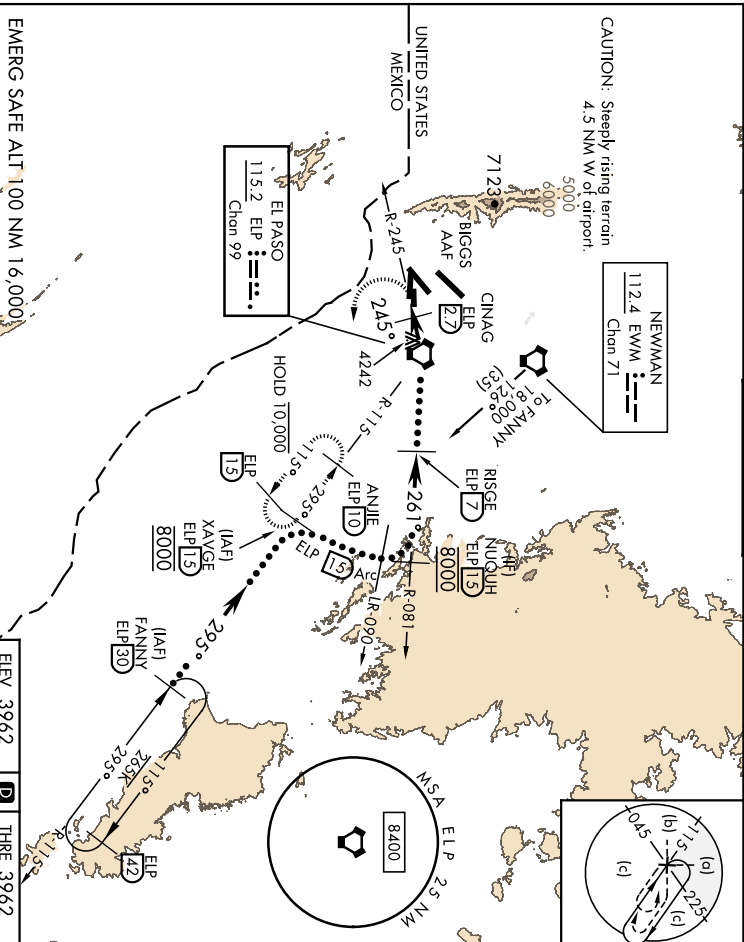
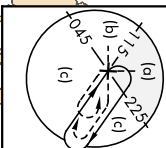
* Circling NA for CAT DE west of Rwy 4-22.

MAISR  MISSED APPROACH: Climb to 4400, then climbing left turn to 7000 via heading 080° and ELP VORTAC R-11.5 to AN/IE/ELP 10 DME and hold; continue climb in hold to 7000.

ATIS	APP CON	TOWER	GND CON	CLNC DEL
<u>120.0</u> <u>254.3</u>	S of V16 N of V16	<u>119.15</u> <u>353.5</u> <u>124.25</u> <u>298.85</u>	<u>118.3</u> <u>239.275</u> <u>121.9</u> <u>348.6</u>	<u>125.0</u> <u>379.1</u>

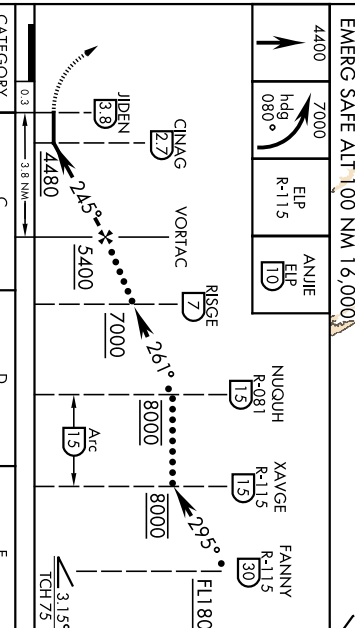
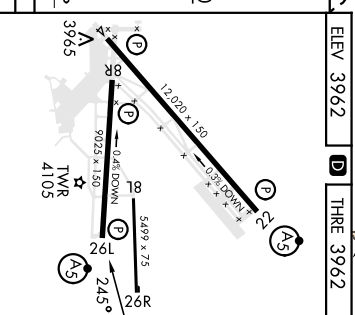
CAUTION: Steeply rising terrain
4.5 NM W of airport.

NEWMAN
112.4 EMM
Chon 71



HI-VOR or TACAN RMY 26L

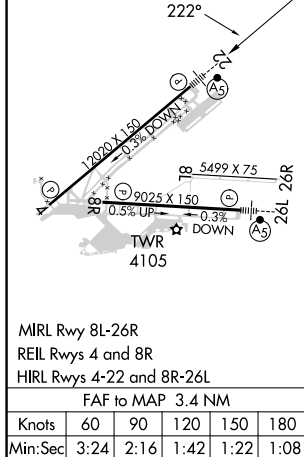
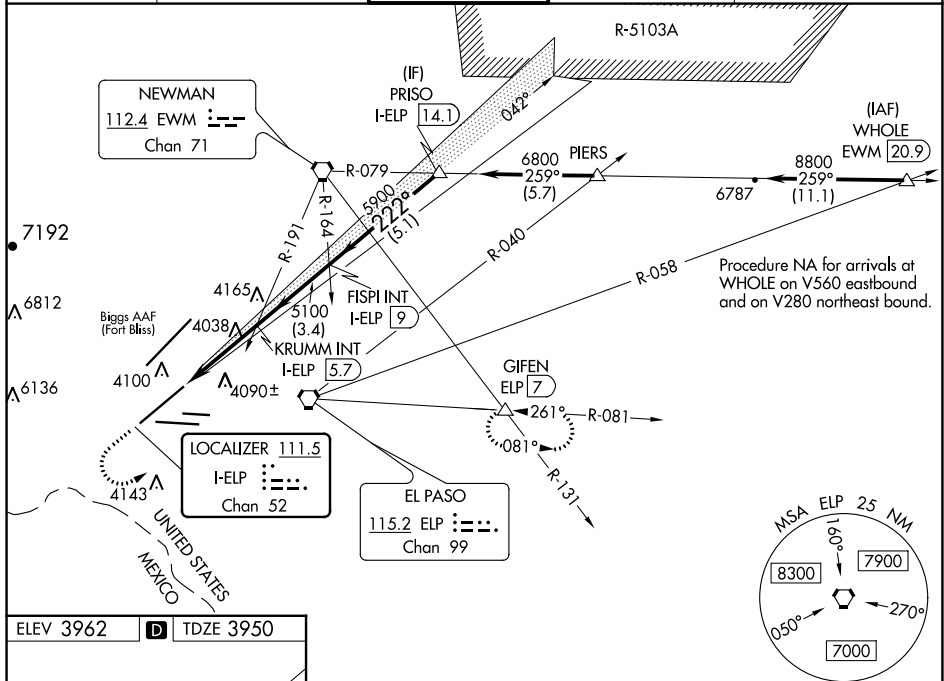
EL PASO, TEXAS 31°48'N-106°23'W

EMERG SAFE ALT 100 NM 16,000'		ELEV 3962	D	THRE 3962
4400	7000	ELP	AN/IE	
hdg 080°	R-11.5	ELP	ELP 10	
				
				
CATEGORY	C	D	E	
S-26L	4380-1½ 418 (500-1½)			
CIRCLING*	4480-1½ 518 (600-1½)	4680-2¼ 718 (800-2¼)	4700-2½ 738 (800-2½)	
REIL Rwy 4, RR MIRL Rwy 8L-26R HIRL Rwy 4-22 and 8R-26L				

ILS or LOC RWY 22
EL PASO INTL (ELP)

MISSED APPROACH: Climb to 4600 then climbing left turn to 8000 on heading 050° and on ELP VORTAC R-081 to GIFEN INT/ELP 7 DME and hold, continue climb-in-hold to 8000.

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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4600 ↑	8000 hdg 050°	ELP R-081	GIFEN △	VGS1 and ILS glidepath not coincident (VGS1 Angle 3.00/TCH 70).	
Use I-ELP DME when on the localizer course.					
CATEGORY	A	B	C	D	E
S-ILS 22	4150/24 200 (200-½)				
S-LOC 22	4300/24 350 (400-½) 4300/30 350 (400-¾)				
CIRCLING	4420-1 458 (500-1)	4440-1 478 (500-1)	4480-1½ 518 (600-1½)	4680-2¼ 718 (800-2¼)	4700-2½ 738 (800-2½)

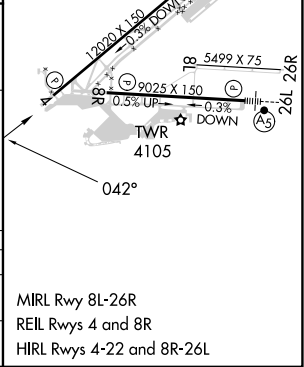
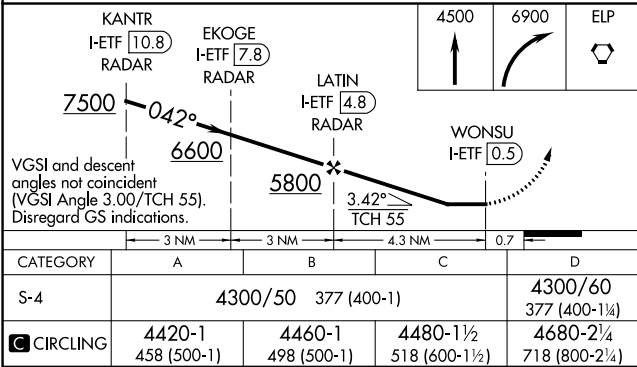
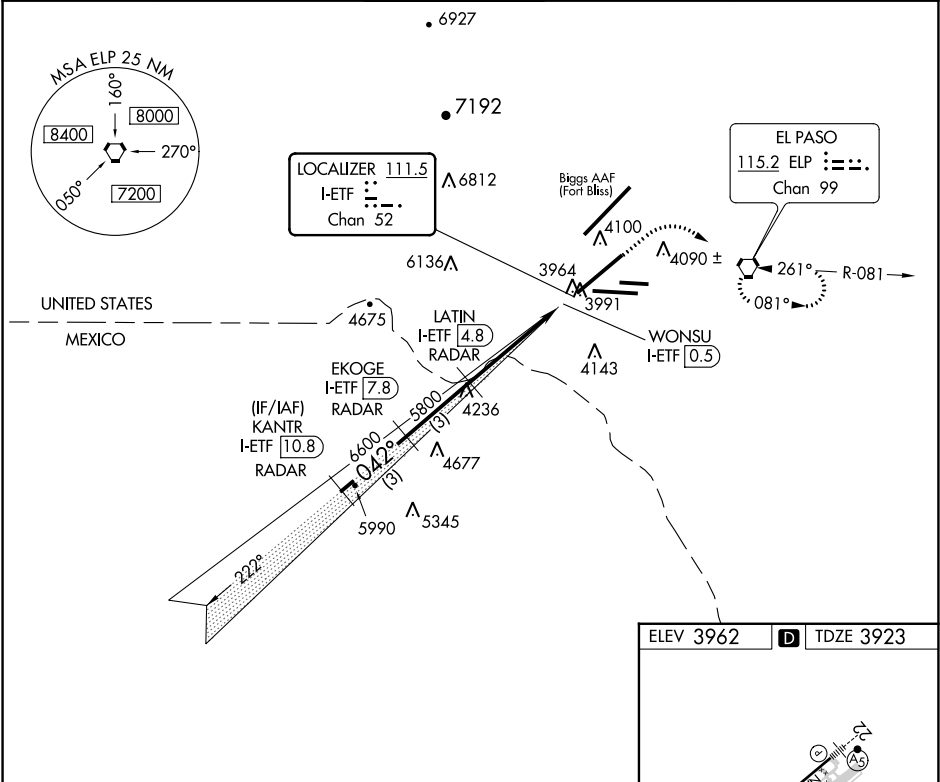
SC-3, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-ETF	APP CRS	Rwy Idg	12020
111.5	042°	TDZE	3923
Chan 52		Apt Elev	3962

LOC/DME RWY 4
EL PASO INTL (ELP)

RADAR required for procedure entry.		MISSED APPROACH: Climb to 4500 then climbing right turn to 6900 direct ELP VORTAC and hold, continue climb-in-hold to 6900.	
Circling NA for Cat D north of Rwy 26R and northwest of Rwy 4.			

D-ATIS	EL PASO APP CON	EL PASO TOWER	GND CON	CLNC DEL
120.0 254.3	124.25 298.85	118.3 239.275	121.9 348.6	125.0 379.1

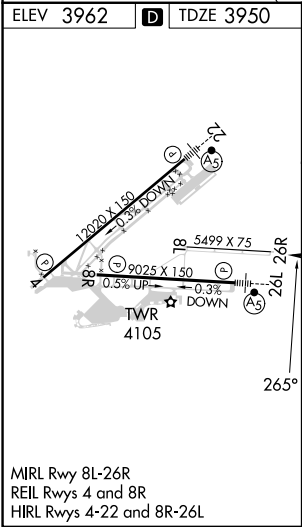
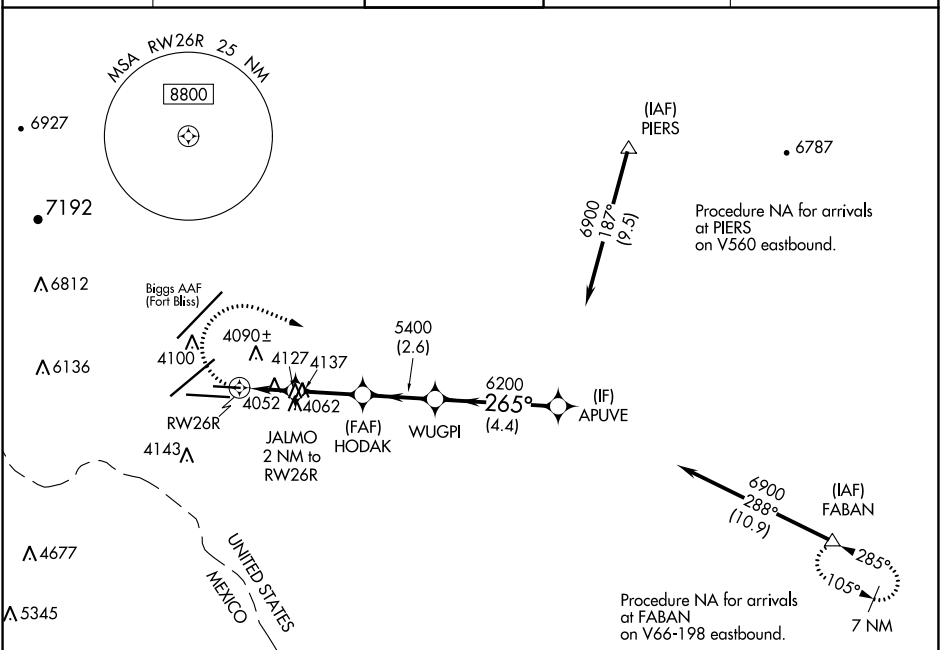


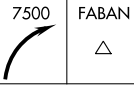
APP CRS	Rwy Idg	5499
265°	TDZE	3950
	Apt Elev	3962

RNAV (GPS) RWY 26R

EL PASO INTL (ELP)

RNP APCH-GPS.		MISSED APPROACH: Climbing right turn 7500 direct FABAN and hold.		
Circling NA for Cat D north of Rwy 26R and northwest of Rwy 4. Rwy 26R helicopter visibility reduction below ¾ SM NA.				
D-ATIS	EL PASO APP CON	EL PASO TOWER	GND CON	CLNC DEL
120.0 254.3	124.25 298.85	118.3 239.275	121.9 348.6	125.0 379.1



		JALMO 2 NM to RW26R		WUGPI		APUVE	
		1.3 NM to RW26R		HODAK		6200	
		4620		5400		6900	
		1.3 NM		0.7		2.4 NM	
				2.6 NM		4.4 NM	
CATEGORY		A		B		C	
LNNAV MDA		4400-1		450 (500-1)		4400-1 ³ / ₈ 450 (500-1 ³ / ₈)	
CIRCLING		4420-1 458 (500-1)		4440-1 478 (500-1)		4480-1 ¹ / ₂ 518 (600-1 ¹ / ₂)	
						4680-2 ¹ / ₄ 718 (800-2 ¹ / ₄)	

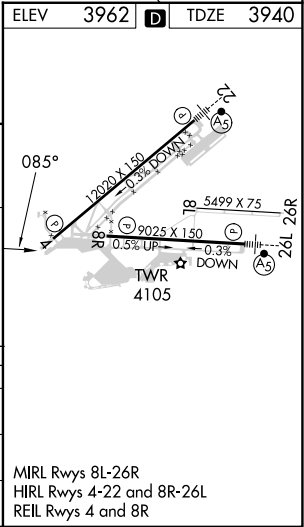
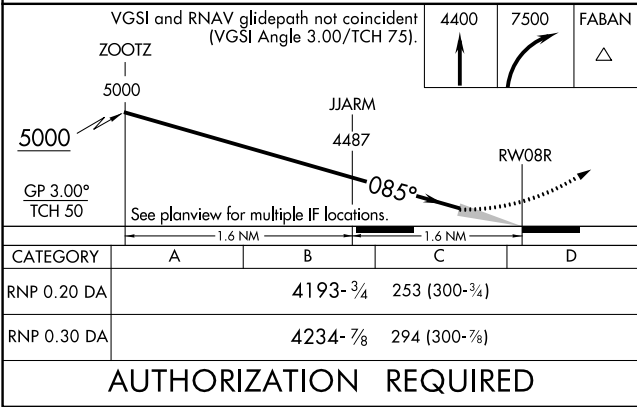
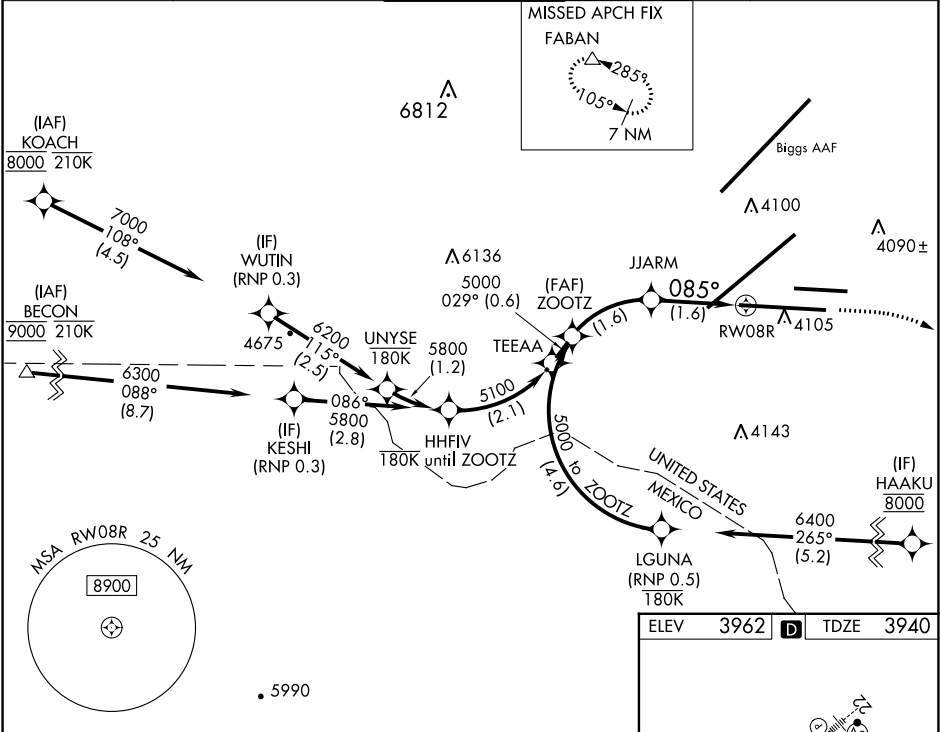
APP CRS	Rwy Idg	9025
085°	TDZE	3940
	Apt Elev	3962

RNAV (RNP) X RWY 8R

EL PASO INTL (ELP)

RNP AR APCH. RF required.		MISSED APPROACH: Climb to 4400 then climbing right turn to 7500 direct FABAN and hold.
ASR	For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.	

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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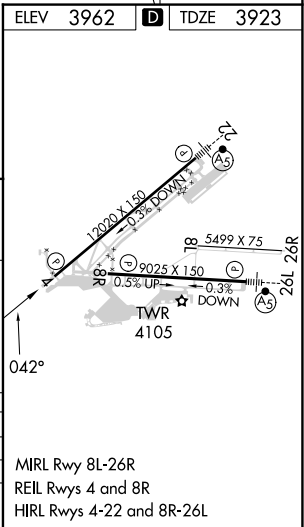
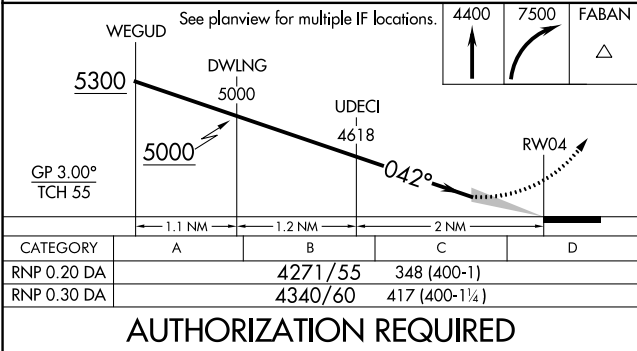
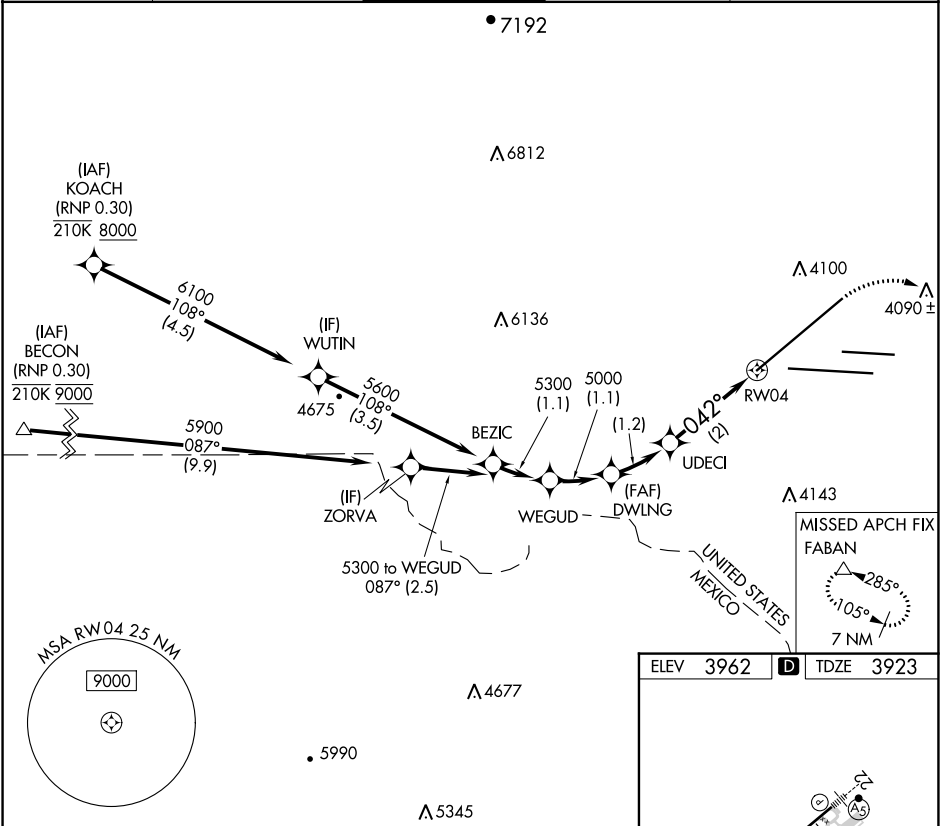
APP CRS	Rwy Idg	12020
042°	TDZE	3923
	Apt Elev	3962

RNAV (RNP) Y RWY 4

EL PASO INTL (ELP)

RNP AR APCH. RF required.		MISSED APPROACH: Climb to 4400 then climbing right turn to 7500 direct FABAN and hold.
▼ ASR	For uncompensated Baro-VNAV systems, procedure NA below -22°C or above 54°C.	

D-ATIS	EL PASO APP CON	EL PASO TOWER	GND CON	CLNC DEL
120.0 254.3	124.25 298.85	118.3 239.275	121.9 348.6	125.0 379.1



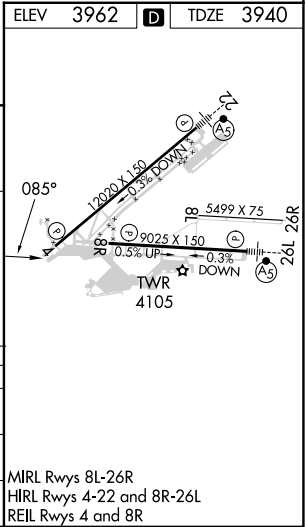
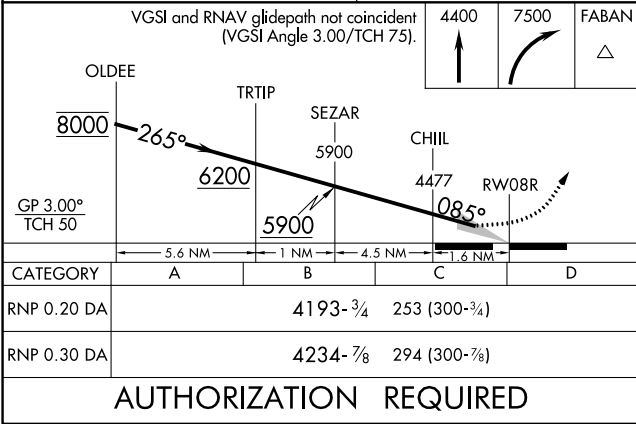
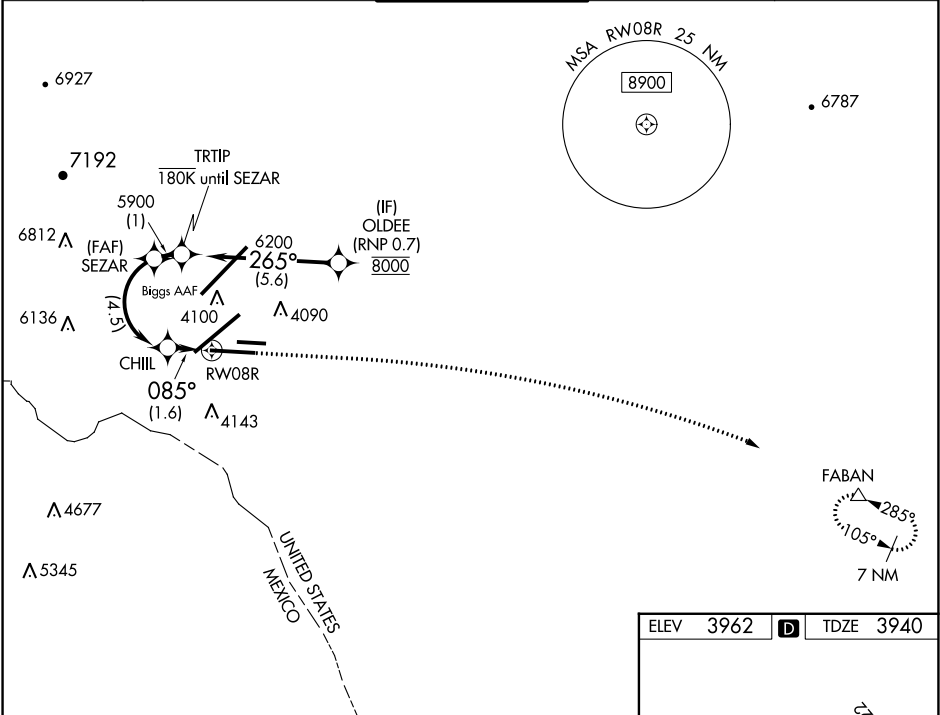
APP CRS	Rwy Idg	9025
085°	TDZE	3940
	Apt Elev	3962

RNAV (RNP) Y RWY 8R

EL PASO INTL (ELP)

RNP AR APCH. RF required.		MISSED APPROACH: Climb to 4400 then climbing right turn to 7500 direct FABAN and hold.
T ASR	For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.	

D-ATIS	EL PASO APP CON	EL PASO TOWER	GND CON	CLNC DEL
120.0 254.3	124.25 298.85	118.3 239.275	121.9 348.6	125.0 379.1



APP CRS
222°

Rwy Idg
TDZE
Apt Elev

12020
3950
3962

RNAV (RNP) Z RWY 22

EL PASO INTL (ELP)

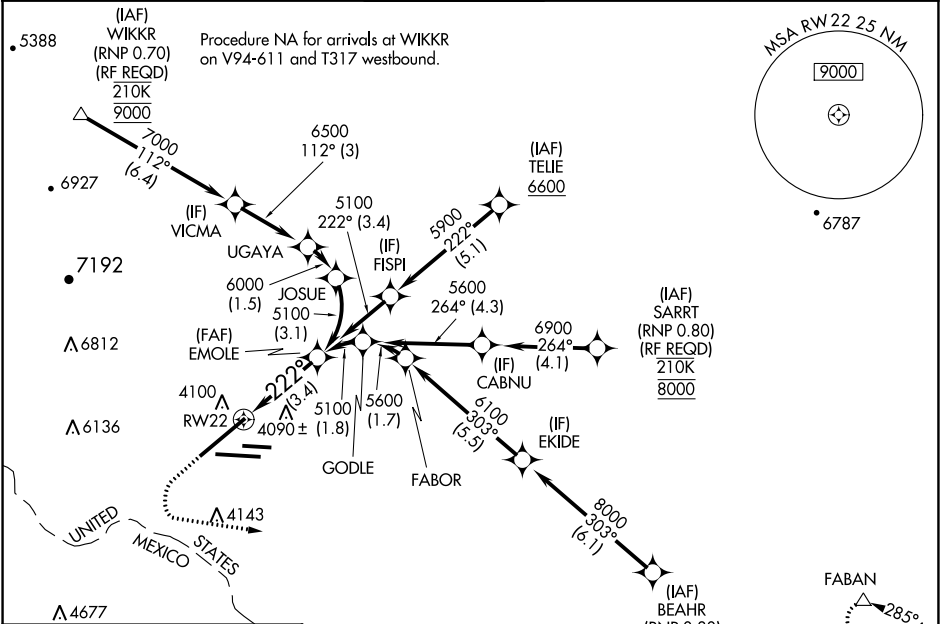
RNP AR APCH

For uncompensated Baro-VNAV systems, procedure NA below -8°C or above 54°C. For inop ALS, increase RNP 0.10 all Cats visibility to RVR 4000 and RNP 0.30 all Cats visibility to RVR 4500.

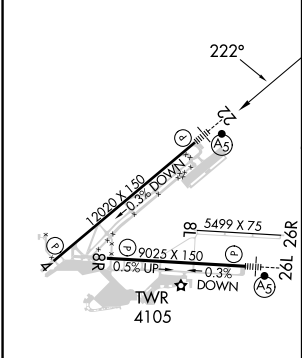
MALSR

MISSED APPROACH: Climb to 4400 then climbing left turn to 7500 direct FABAN and hold.

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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ELEV 3962	TDZE 3950
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See planview for multiple IF locations.			
CATEGORY	A	B	C
RNP 0.10 DA	4200/24	250 (300-1/2)	
RNP 0.30 DA	4270/27	320 (400-5/8)	

APP CRS
265°

Rwy Idg
TDZE
Apt Elev

9025
3962
3962

RNAV (RNP) Z RWY 26L

EL PASO INTL (ELP)

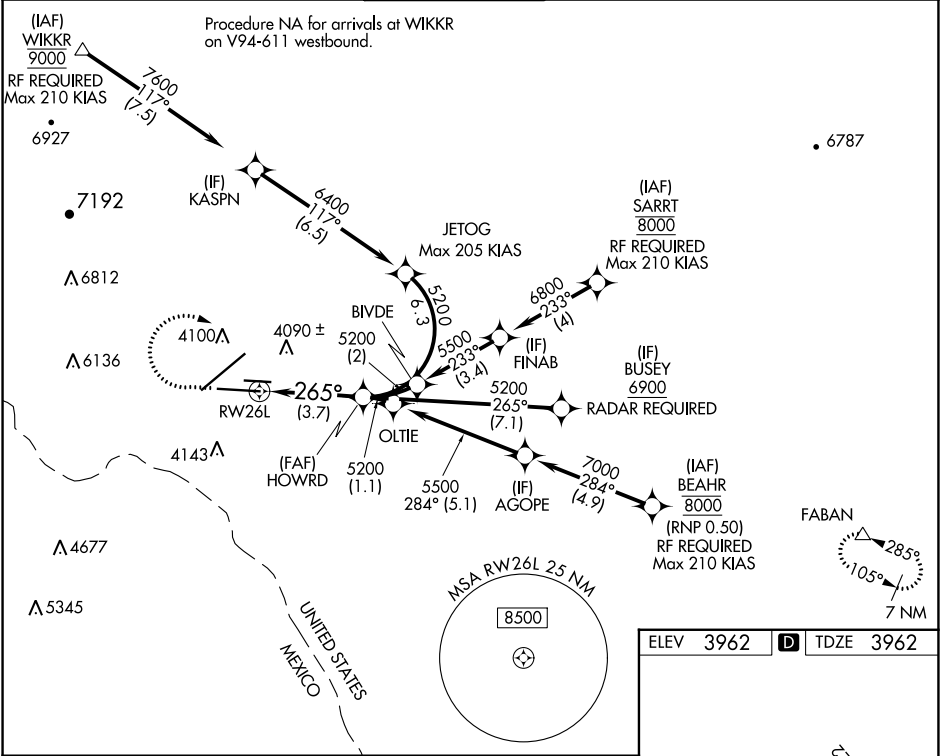
ASR

For uncompensated Baro-VNAV systems, procedure NA below -8°C (18°F) or above 50°C (122°F). For inop MALS, increase RNP 0.30 visibility all Cats to 1 mile. GPS Required.

MALS

MISSED APPROACH: Climb to 4400, then climbing right turn to 7500 direct FABAN and hold.

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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4400

7500

FABAN

VGSI and glidepath not coincident (VGSI Angle 3.00/TCH 75).

See planview for multiple IF locations.

RW26L

HOWRD

5200

GP 3.00° TCH 55

3.7 NM

CATEGORY	A	B	C	D
RNP 0.30 DA	4275-½ 313 (400-½)			

AUTHORIZATION REQUIRED

MIRL Rwy 8L-26R

REIL Rwys 4 and 8R

HIRL Rwys 4-22 and 8R-26L

APP CRS
042°

Rwy Idg
TDZE
3923

Apt Elev
3962

RNAV (RNP) Z RWY 4

EL PASO INTL (ELP)

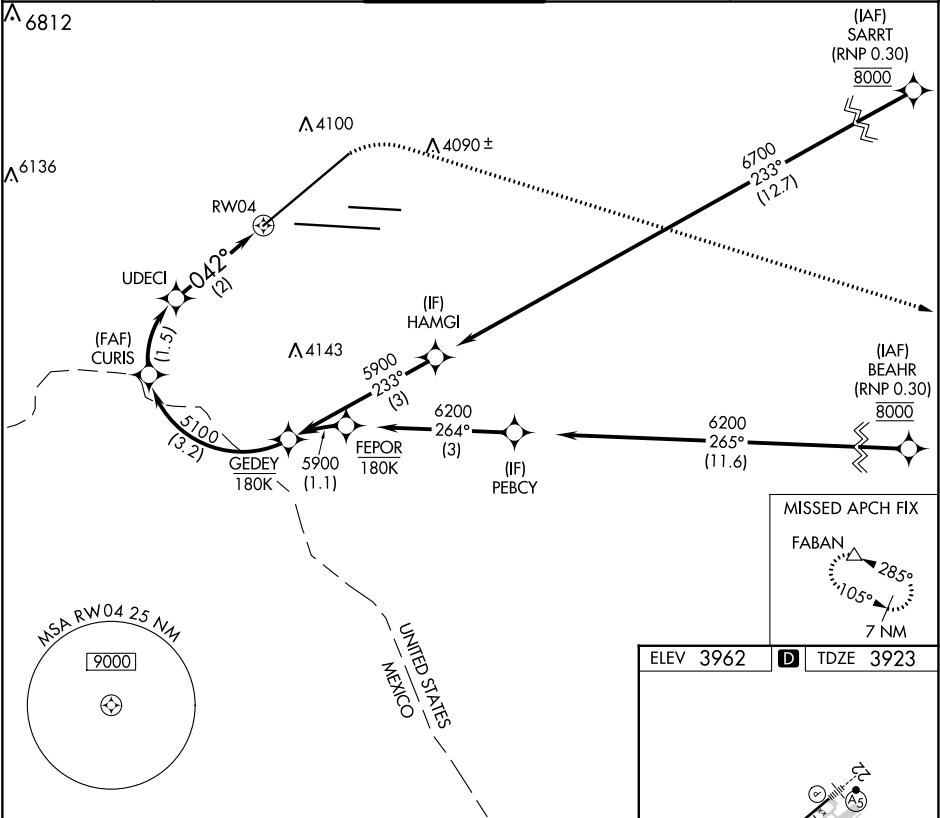
RNP AR APCH. RF required.

MISSED APPROACH: Climb to 4400 then climbing right turn to 7500 direct FABAN and hold.

ASR

For uncompensated Baro-VNAV systems, procedure NA below -5°C or above 54°C.

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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See planview for multiple IF locations.

4400

7500

FABAN

GEDEY

5900

CURIS

5100

UDECI

4618

RWY04

042°

GP 3.00° TCH 55

3.2 NM

1.5 NM

2 NM

CATEGORY	A	B	C	D
RNP 0.20 DA	4282/55 359 (400-1)			
RNP 0.30 DA	4352-1 ¼ 429 (400-1 ¼)			

AUTHORIZATION REQUIRED

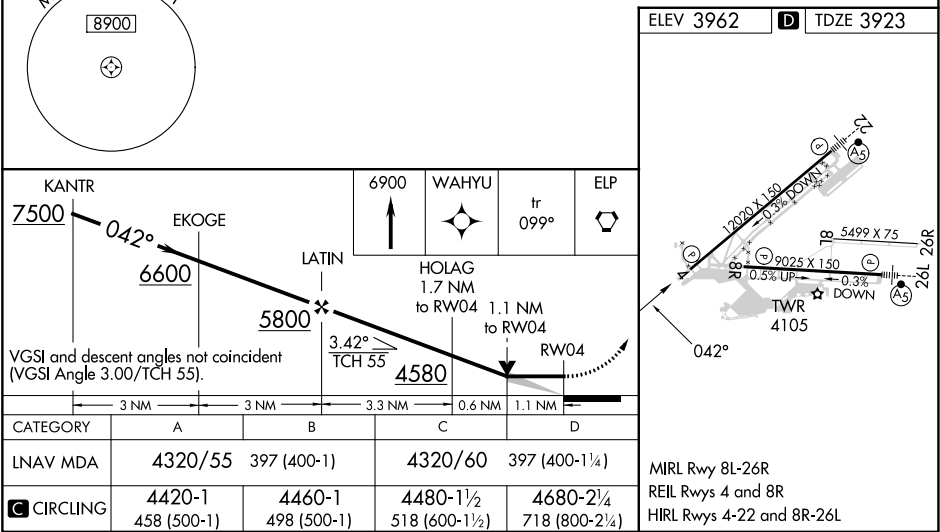
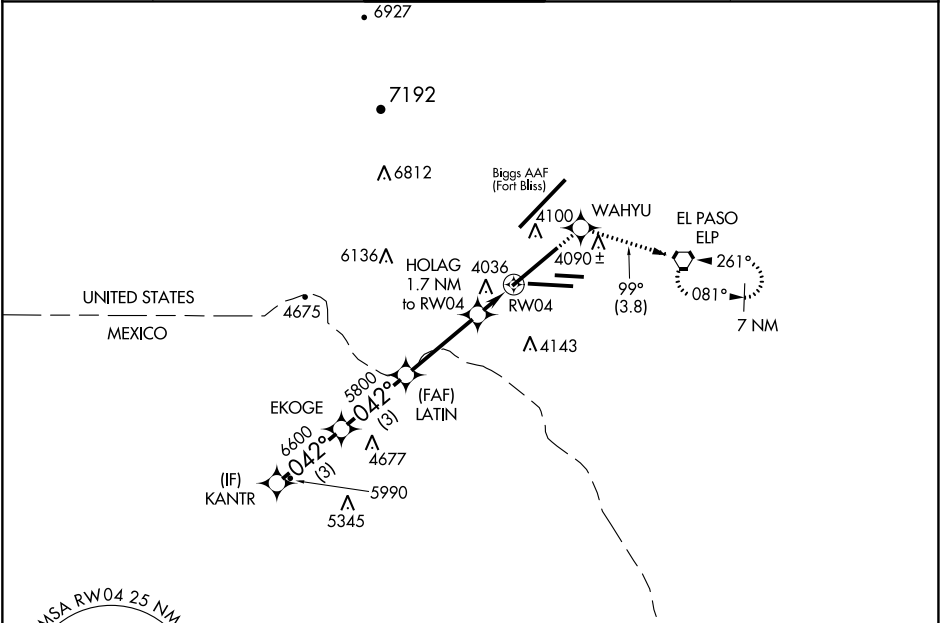
MIRL Rwy 8L-26R
REIL Rwy 4 and 8R
HIRL Rwy 4-22 and 8R-26L

APP CRS	Rwy Idg	12020
042°	TDZE	3923
	Apt Elev	3962

RNAV (GPS) X RWY 4

EL PASO INTL (ELP)

RNP APCH-GPS.		MISSED APPROACH: Climb to 6900 direct WAHYU and on track 099° to ELP VORTAC and hold, continue climb-in-hold to 6900.		
ASR	Circling NA for Cat D north of Rwy 26R and northwest of Rwy 4.			
D-ATIS	EL PASO APP CON	EL PASO TOWER	GND CON	CLNC DEL
120.0 254.3	124.25 298.85	118.3 239.275	121.9 348.6	125.0 379.1



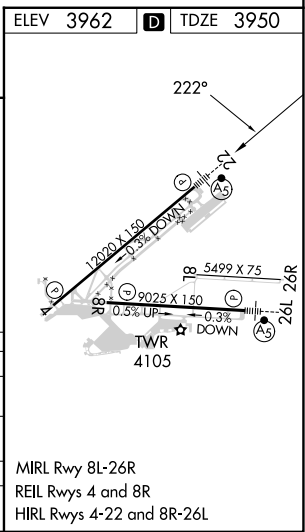
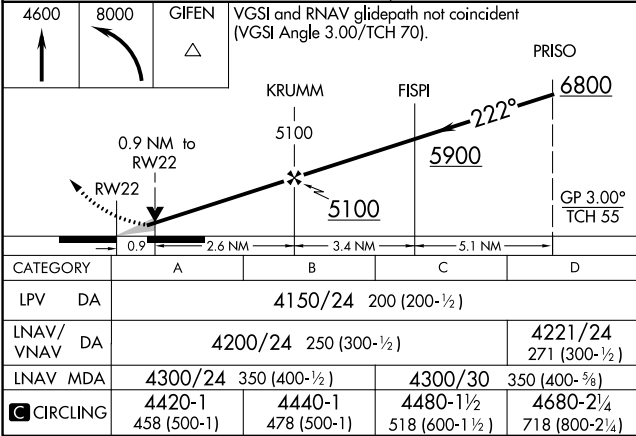
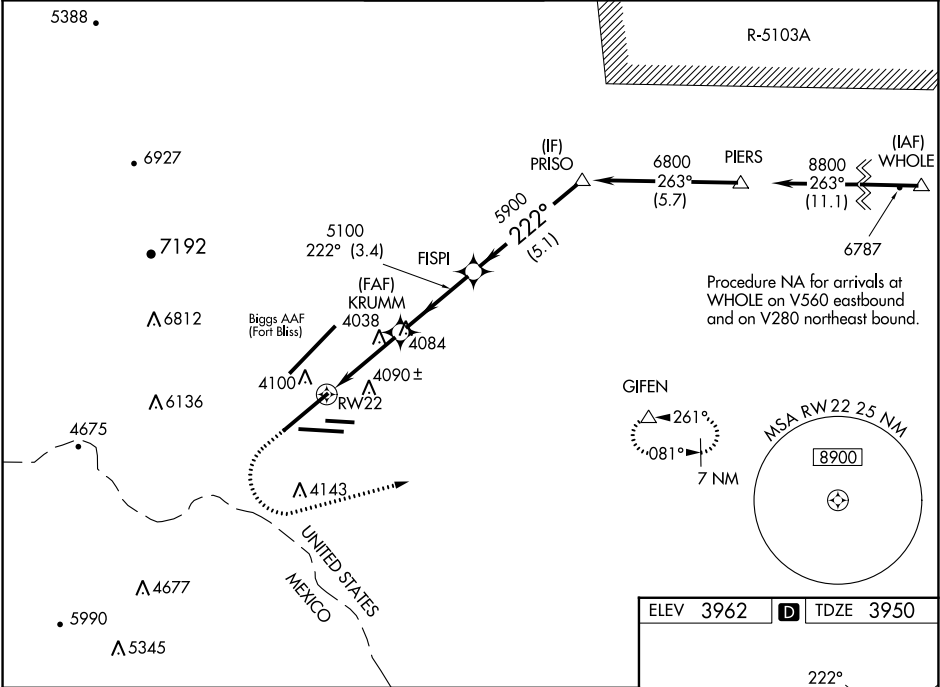
WAAS CH 78244 W22A	APP CRS 222°	Rwy Idg TDZE 3950 Apt Elev 3962
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RNAV (GPS) Y RWY 22

EL PASO INTL (ELP)

RNP APCH - GPS.	MALSR	MISSED APPROACH: Climb to 4600 then climbing left turn to 8000 direct GIFEN and hold, continue climb-in-hold to 8000.
ASR		

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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SC-3, 22 FEB 2024 to 21 MAR 2024

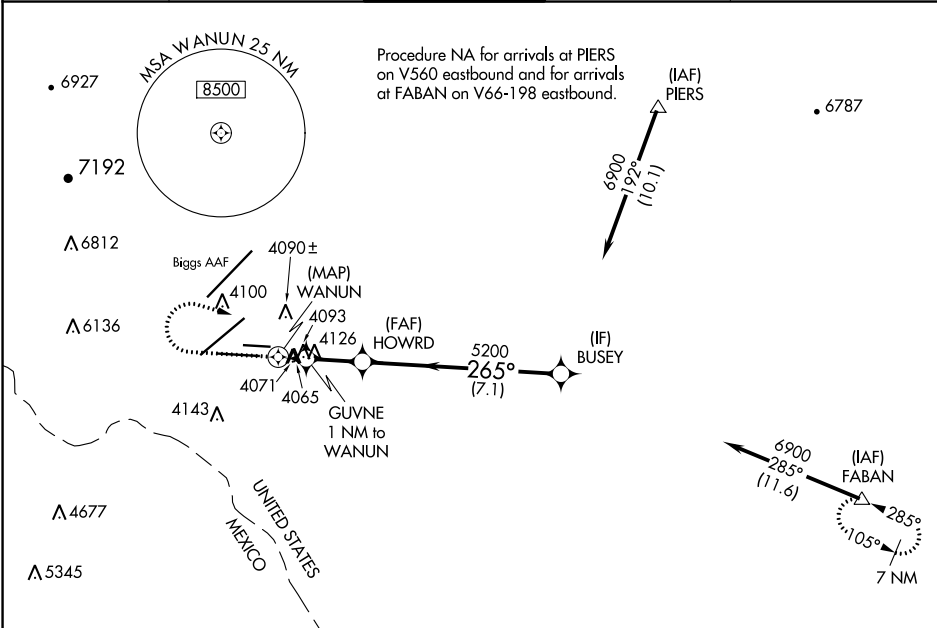
SC-3, 22 FEB 2024 to 21 MAR 2024

WAAS CH 40223 W26A	APP CRS 265°	Rwy Idg TDZE Apt Elev	9025 3962 3962
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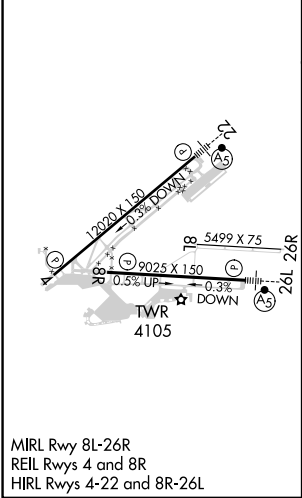
RNAV (GPS) Y RWY 26L

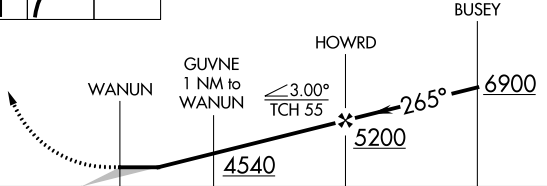
EL PASO INTL (ELP)

RNP APCH-GPS.		MALSR	MISSED APPROACH: Climb to 4380 then climbing right turn to 7500 direct FABAN and hold.	
Circling NA for Cat D west of Rwy 4-22. For inop ALS, increase LP and LNAV Cat A/B visibility to 1 SM, and Cat C/D to 1½ SM.				
D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1



ELEV 3962	D	TDZE 3962
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4380	7500	FABAN	VGSI and descent angles not coincident (VGSI Angle 3.00/TCH 75).			
						
						
CATEGORY		A	B	C	D	
LP	MDA	4380-¾ 418 (500-¾)				
LNAV	MDA	4380-¾ 418 (500-¾)				
 CIRCLING		4420-1 458 (500-1)	4440-1 478 (500-1)	4480-1½ 518 (600-1½)	4680-2¼ 718 (800-2¼)	

VORTAC ELP 115.2 Chan 99	APP CRS 245°	Rwy Idg TDZE 3962 Apt Elev 3962
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VOR RWY 26L
EL PASO INTL (ELP)



ASR

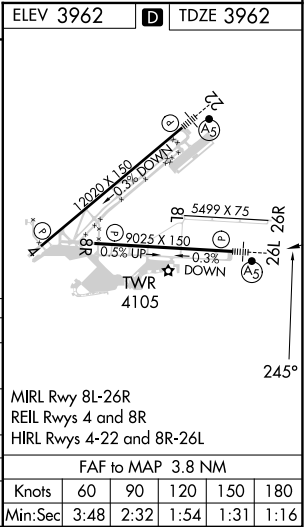
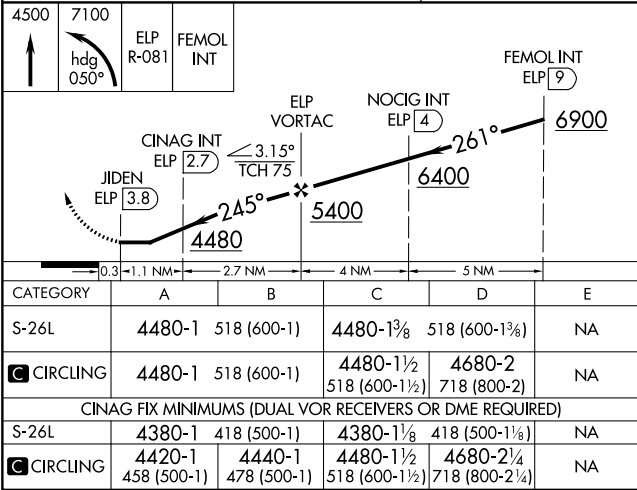
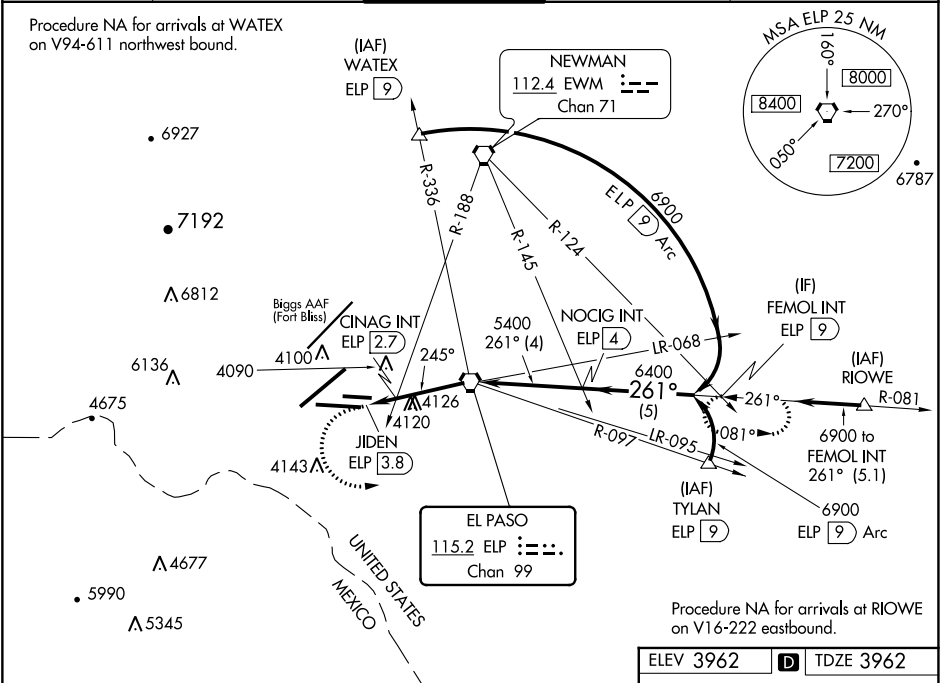
Inop table does not apply to S-26L and CINAG fix minimums S-26L. Circling NA for Cat D northwest of Rwy 4-22.



MALS R

MISSED APPROACH: Climb to 4500 then climbing left turn to 7100 on heading 050° and on ELP VORTAC R-081 to FEMOL INT/9 DME and hold.

D-ATIS 120.0 254.3	EL PASO APP CON 124.25 298.85	EL PASO TOWER 118.3 239.275	GND CON 121.9 348.6	CLNC DEL 125.0 379.1
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SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024



INSTRUMENT APPROACH PROCEDURE CHARTS

IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.

⚠️NA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the ⚠️NA designation are not listed in this section. ⚠️ designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
⚠️Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	
US Military (USA/USN/USAF)	See Service Regulations	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAMEALTERNATE MINIMUMS

ALICE, TX

ALICE INTL (ALI).....LOC/DME Rwy 31¹²
RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 31¹²
VOR Rwy 31¹²
VOR-A³

¹NA when local weather not available.

²Category D, 800-2¼.

³Categories A, B, 900-2; Category C, 900-2¾, Category D, 900-3.

ALPINE, TX

ALPINE-CASPARIS
MUNI (E38).....RNAV (GPS) Rwy 19¹
RNAV (GPS) Rwy 23²

¹Category B, 1000-2; Category C, 1300-3.

²Category A, 900-2; Category B, 1000-2; Category C, 1300-3.

AUSTIN, TX

AUSTIN
EXEC (EDC).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.

NAMEALTERNATE MINIMUMS

AUSTIN, TX (CON'T)

AUSTIN-BERGSTROM
INTL (AUS).....ILS or LOC Rwy 18L¹
ILS or LOC Rwy 36R¹
RNAV (GPS) Y Rwy 18L²
RNAV (GPS) Y Rwy 18R²
RNAV (GPS) Y Rwy 36L²
RNAV (GPS) Y Rwy 36R²

¹LOC, Category E, 1000-3.

²Category E, 1000-3.

SAN MARCOS

RGNL (HYI).....NDB Rwy 13¹
RNAV (GPS) Rwy 8²
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 26²
RNAV (GPS) Rwy 31²
RNAV (GPS) Rwy 35²

NA when local weather not available.

¹Category D, 800-2¼.

²Category D, 800-2¼; Category E, 800-2¾.

BEEVILLE, TX

BEEVILLE MUNI (BEA).....RNAV (GPS) Rwy 30
Category C, 800-2½.

BIG LAKE, TX

REAGAN COUNTY (E41).....RNAV (GPS) Rwy 16
NA when local weather not available.
Category C, 800-2¼.





24025

M3

**INGLESIDE, TX**

MC CAMPBELL-
PORTER (TFP).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.
Category C, 900-2½; Category D, 1000-3.

KENEDY, TX

KENEDY
 RGNL (2R9).....RNAV (GPS) Rwy 34
 NA when local weather not available.

KERRVILLE, TX

KERRVILLE MUNI/LOUIS SCHREINER
FLD (ERV).....RNAV (GPS) Rwy 12¹
RNAV (GPS) Rwy 30²
VOR-A³

NA when local weather not available.

¹Category C, 800-2¼; Category D, 1000-3.

²Category C, 800-2 $\frac{1}{4}$.

³Categories A, B, 900-2, Category C, 900-2½.

LAMPASAS, TX

LAMPASAS (LZZ).....VOR-A
NA when local weather not available.

LAREDO, TX

LAREDO	ILS or LOC Rwy 18R ¹²
INTL (LRD)	LOC BC Rwy 36L ¹²
	RNAV (GPS) Rwy 14 ³
	RNAV (GPS) Rwy 18L ³
	RNAV (GPS) Rwy 18R ³
	RNAV (GPS) Rwy 32 ³
	RNAV (GPS) Rwy 36L ³
	VOR or TACAN Rwy 14 ²
	VOR or TACAN Rwy 32 ²

¹NA when control tower closed.²LOC. Category D. 800-2¹/₄; Category E. 800-2¹/₂.

³Category D, 800-2 $\frac{1}{4}$; Category E, 800-2 $\frac{1}{2}$.

LLANO, TX

LLANO MUNI (AQO).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35
VOR-A

NA when local weather not available.

MARFA, TX

MARFA MUNI (MRF).....RNAV (GPS) Rwy 31
VOR Rwy 31

Category D, 1000-3.

HEBRONVILLE, TX

JIM HOGG
COUNTY (HBV).....RNAV (GPS) Rwy 13
NA when local weather not available.

HONDO, TX

SOUTH TEXAS RGNL
AT HONDO (HDO).....RNAV (GPS) Rwy 17L
RNAV (GPS) Rwy 35R
NA when local weather not available.

ALTERNATE MINS

24025

M3

SC-3



22 FEB 2024 to 21 MAR 2024

NAME

ALTERNATE MINIMUMS

MC ALLEN, TX

MC ALLEN

INTL (MFE).....ILS or LOC Rwy 14¹

ILS or LOC Rwy 32¹

RNAV (GPS) Rwy 14²

RNAV (GPS) Rwy 32²

VOR Rwy 14²

VOR Rwy 32²

NA when local weather not available.

¹ILS, Category D, 700-2¼; LOC, Category D, 800-2¼.

²Category D, 800-2¼.

MIDLAND, TX

MIDLAND

AIRPARK (MDD).....RNAV (GPS) Rwy 25¹

RNAV (GPS) Rwy 34

VOR Rwy 25¹

NA when local weather not available.

¹Category D, 900-3.

MIDLAND INTL AIR AND SPACE

PORT (MAF).....ILS or LOC Rwy 10¹²

VOR or TACAN Rwy 34L³

VOR or TACAN Rwy 16R³

¹ILS, Category D, 700-2; Category E, 800-2½;

LOC, Category E, 800-2½.

²NA when control tower closed.

³Category E, 800-2½.

NEW BRAUNFELS, TX

NEW BRAUNFELS

NTL (BAZ).....RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 17

RNAV (GPS) Rwy 31

RNAV (GPS) Rwy 35

NA when local weather not available.

ODESSA, TX

ODESSA-SCHLEMEYER

FLD (ODO).....RNAV (GPS) Rwy 11

RNAV (GPS) Rwy 20

RNAV (GPS) Rwy 29

VOR-A

NA when local weather not available.

PECOS, TX

PECOS MUNI (PEQ).....RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 32

NA when local weather not available.

Category C, 800-2¼; Category D, 800-2½.

PLEASANTON, TX

PLEASANTON

MUNI (PEZ).....RNAV (GPS) Rwy 34

NA when local weather not available.

NAME

ALTERNATE

PORT ARANSAS, TX

MUSTANG

BEACH (RAS).....RNAV (GPS) Rwy 12

RNAV (GPS) Rwy 30

NA when local weather not available.

PORT ISABEL, TX

PORT ISABEL-CAMERON

COUNTY (PIL).....RNAV (GPS) Rwy 13

NA when local weather not available.

ROBSTOWN, TX

NUECES

COUNTY (RBO).....RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 31

NA when local weather not available.

ROCKPORT, TX

ARANSAS

COUNTY (RKP).....RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 32

RNAV (GPS) Rwy 36

VOR or TACAN-A¹

NA when local weather not available.

¹Category C, 800-2¼.

ROCKSPRINGS, TX

EDWARDS

COUNTY (ECU).....VOR Rwy 14

NA when local weather not available.

SAN ANGELO, TX

SAN ANGELO RGNL/

MATHIS FLD (SJT).....ILS Y or LOC Y Rwy 3¹²

NDB Rwy 3³

RNAV (GPS) Rwy 3⁴

RNAV (GPS) Rwy 18⁴

RNAV (GPS) Rwy 21⁴

RNAV (GPS) Rwy 36⁴

VOR/DME or TACAN Rwy 3⁴

¹LOC, Category D, 800-2½; Category E, 800-2¼.

²LOC, NA when control tower closed.

³NA when control tower closed.

⁴Category D, 800-2½; Category E, 800-2¼.

RADAR INSTRUMENT APPROACH MINIMUMS

BIGGS AAF (KBIF), Fort Bliss, TX Amdt 8 30NOV23 (23334) (USA)

RADAR - 124.15 307.0 **T** **A** NA

ELEV 3947

	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DH/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HATh/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR ¹	22		AB	4460-¾	513	(600-¾)
			CDE	4460-1	513	(600-1)
C CIR ²	22		AB	4560-1	613	(700-1)
			C	4560-1¾	613	(700-1¾)
			D	4560-2	613	(700-2)
			E	4560-2¼	613	(700-2¼)

¹When ALS inop, increase CAT AB vis to 1¼ mile, CAT CDE vis to 1½ miles.
²CAT DE circling west of Rwy 4-22 NA.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR INSTRUMENT APPROACH MINIMUMS

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP), Corpus Christi, TX
Amdt 3 30NOV23 (23334) (USN)

ELEV 19

RADAR - (E) 6835 124.65 270.8 284.6 337.2 354.8



	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DH/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HATH/</u> <u>HAA</u>	<u>CEIL-VIS</u>
PAR ¹	13R ²	3.0°/48/877	ABCDE	113-¾	100	(100-¾)
	18	3.0°/50/913	ABCDE	118-½	100	(100-½)
	31L	3.0°/51/959	ABCDE	117-½	100	(100-½)
	36	3.0°/50/937	ABCDE	118-½	100	(100-½)
PAR W/O GS ¹	13R ³		ABCDE	340-¾	327	(400-¾)
	18		ABCDE	340-1	322	(400-1)
	36		AB	400-1	382	(400-1)
			CDE	400-1½	382	(400-1½)
	31L		AB	420-1	403	(500-1)
			CDE	420-1½	403	(500-1½)
ASR	18		AB	400-1	382	(400-1)
			CDE	400-1½	382	(400-1½)
	13R ^{4 6 7}		AB	420-¾	407	(500-¾)
			CDE	420-1	407	(500-1)
	13L		AB	420-1	402	(500-1)
			CDE	420-1½	402	(500-1½)
	4 ⁷		AB	460-1	443	(500-1)
			CDE	460-1½	443	(500-1½)
	31L		AB	460-1	443	(500-1)
			CDE	460-1½	443	(500-1½)
	31R		AB	460-1	442	(500-1)
			CDE	460-1½	442	(500-1½)
CIR ⁵	All Rwys		AB	460-1	442	(500-1)
			B	480-1	462	(500-1)
			C	520-1½	502	(600-1½)
			DE	580-2	562	(600-2)

¹No-NOTAM MP: PAR Mon 1300-1700Z++.
²When ALS inop, increase CAT ABCDE vis to ½ mile.
³When ALS inop, increase CAT ABCDE vis to 1 mile.
⁴When ALS inop increase CAT AB vis to 1 mile, CAT CDE vis to 1½ miles.
⁵Circling authorized only from ASR and PAR W/O GS.
⁶SDF at 2 NM from thld, 680' min.
⁷SDF at 3 NM from thld, 980' min.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR INSTRUMENT APPROACH MINIMUMS

EL PASO, TX
EL PASO INTL (ELP)
RADAR-1 124.25 298.85

Amdt 15D, 29DEC22 (22363) (FAA)

ELEV 3962

	RWY	GP/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HAA	CEIL-VIS
ASR	22		AB	4440/24	490	(500-½)	CDE	4440/50	490	(400-1)
	26L		ABCDE	4400-¾	438	(500-¾)				
	4		AB	4400/55	477	(500-1¼)	CD	4400-1½	477	(500-1½)
			E	NA						
CIRCLING	ALL RWY		AB	4440-1	478	(500-1)	C	4480-1½	518	(600-1½)
			D	4680-2¼	718	(800-2¼)	E	4700-2½	738	(800-2½)

Circling NA for CATS D and E W of Rwy 4-22.
Rwy 4 Circling Cat E NA.
For inoperative ALS, increase S-22 CAT C/D/E visibility to 1 3/8 SM, increase S-26L CAT A/B visibility to 1 SM, and CAT E to 1 1/4 SM.
Caution: steeply rising terrain 4.5 NM west of airport.

22 FEB 2024 to 21 MAR 2024

FORT CAVAZOS (KILLEEN), TX
ROBERT GRAY AAF (GRK)
RADAR-1 - 120.075 323.15 NA

Orig-B, 30NOV23 (23334) (FAA)

ELEV 1015

	RWY	GP/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HAA	CEIL-VIS
ASR	33		AB	1460-¾	465	(500-¾)	CDE	1460-1	465	(500-1)
	15		AB	1520/40	505	(600-¾)	CDE	1520/55	505	(600-1¼)
CIRCLING	ALL RWY		AB	1540-1¼	525	(600-1¼)	C	1560-1½	545	(600-1½)
			D	1620-2	605	(700-2)	E	1740-2½	725	(800-2½)

Circling NA W of Rwy 15-33.
For inoperative ALS, increase ASR S-15 and ASR S-33 CATS C/D/E visibility to 1½ mile.

22 FEB 2024 to 21 MAR 2024

FORT CAVAZOS (KILLEEN), TX
ROBERT GRAY AAF (GRK)
RADAR-2 - 120.075 323.15 NA

Orig-A, 24MAY18 (23334) (FAA)

ELEV 1015

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HAA	CEIL-VIS
PAR	33	3.00°/53/973	ABCDE	1208-½	213	(200-½)
	15	3.00°/51/1062	ABCDE	1215/24	200	(200-½)

For inoperative ALS, increase PAR S-15 CAT E visibility to RVR 4000 and PAR S-33 CAT E visibility to ¾ SM.
Rwy 15 VGSI and PAR glidepath not coincident (VGSI Angle 3.00/TCH 71).
Rwy 33 VGSI and PAR glidepath not coincident (VGSI Angle 2.77/TCH 52).

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR INSTRUMENT APPROACH MINIMUMS

KINGSVILLE NAS (KNQI), Kingsville, TX Amdt 2 23MAR23 (23082) (USN)
RADAR¹ - (E) 121.05x 254.4x 263.075x 269.35x 305.2x 310.8x 349.0x 355.6x

ELEV 50

				DH/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
	RWY	GS/TCH/RPI	CAT			
PAR ²	35R ³	3.0°/50/937	ABCDE	148-¼	100	(100-¼)
	13L	3.0°/50/949	ABCDE	149-½	100	(100-½)
	13R ⁵	3.0°/50/972	ABCDE	150-½	100	(100-½)
	17R	3.0°/50/961	ABCDE	149-½	100	(100-½)
	31R	3.0°/50/907	ABCDE	144-½	100	(100-½)
	35L ⁴	3.0°/50/951	ABCDE	148-½	100	(100-½)
PAR W/O GS ²	35R ⁷		ABCDE	380-¾	332	(400-¾)
	17R ⁶		ABCDE	360-1	311	(400-1)
	31R ⁸		ABCDE	380-1	336	(400-1)
	35L		ABCDE	380-1	332	(400-1)
	13L		AB	460-1	411	(500-1)
			CDE	460-1½	411	(500-1½)
	13R ⁵		AB	460-1	410	(500-1)
			CDE	460-1½	410	(500-1½)
	ASR	35R ⁷	AB	420-½	372	(400-½)
			CDE	420-¾	372	(400-¾)
		17L ⁹	ABCDE	400-1	351	(400-1)
		17R ⁹	ABCDE	400-1	351	(400-1)
		31L ⁹	ABCDE	380-1	333	(400-1)
		31R ⁹	ABCDE	380-1	336	(400-1)
	35L		ABCDE	420-1	372	(400-1)
	13L ⁹		AB	460-1	411	(500-1)
			CDE	460-1½	411	(500-1½)
	13R ⁹		AB	460-1	410	(500-1)
			CDE	460-1½	410	(500-1½)
CIR ¹⁰	ALL RWYS ¹¹		AB	540-1	490	(500-1)
			C	760-2	710	(800-2)
			D	760-2¼	710	(800-2¼)
			E	760-2½	710	(800-2½)

¹Use landing/taxi lights when conducting apch during VMC. DASR-11 unmt0 dur hr of afld closure.

²No NOTAM MP: PAR 1300-1700Z++ Wed. Maint conducted next bus day if clsd on Wed.

³When ALS inop, increase vis to ½ mile.

⁴When tower closed, increase vis to 1 mile

⁵VGSI and descent angles not coincident (VGSI 3.00/TCH 33).

⁶Step Down Fix at 3 NM from RPI, cross at or above 1100 ft.

⁷When ALS inop, increase vis to 1 mile.

⁸Step Down Fix at 2 NM from RPI, cross at or above 740 ft.

⁹Step Down Fix at 2 NM from rwy, cross at or above 720 ft.

¹⁰Circling authorized only from PAR W/O GS and ASR.

¹¹Circling to Rwy 31L NA at night .

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR INSTRUMENT APPROACH MINIMUMS

WACO, TX

Amdt 1B, 15JUN23 (23166) (FAA)

ELEV 592

MC GREGOR EXEC (PWG)

RADAR-1 127.65 352.0 

	<u>RWY</u>	<u>GP/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR	17		AB	1260-1	668	(700-1)	C	1260-1 $\frac{1}{8}$	668	(700-1 $\frac{1}{8}$)
			D	NA						
CIRCLING	ALL RWY		AB	1260-1	668	(700-1)	C	1300-2	708	(800-2)
			D	NA						

WACO, TX

Amdt 4, 11FEB10 (10042) (FAA)

ELEV 470

TSTC WACO (CNW)

RADAR-1 127.65 227.125  

	<u>RWY</u>	<u>GP/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR	17L		AB	1080- $\frac{1}{2}$	611	(700- $\frac{1}{2}$)	C	1080-1 $\frac{1}{4}$	611	(700-1 $\frac{1}{4}$)
			D	1080-1 $\frac{1}{2}$	611	(700-1 $\frac{1}{2}$)				
CIRCLING	ALL RWY		AB	1080-1	610	(700-1)	C	1080-1 $\frac{1}{4}$	610	(700-1 $\frac{1}{4}$)
			D	1080-2	610	(700-2)				

When Waco Regional approach control closed, ASR not authorized.

WACO, TX

Amdt 4, 23SEP10 (14317) (FAA)

ELEV 516

WACO RGNL (ACT)

RADAR-1 127.65 227.125 

	<u>RWY</u>	<u>GP/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR	19		ABC	880/24	376	(400- $\frac{1}{2}$)	D	880/50	376	(400-1)
	1		ABC	860-1	351	(400-1)	D	860-1 $\frac{1}{4}$	351	(400-1 $\frac{1}{4}$)
	14		AB	920-1	407	(500-1)	CD	920-1 $\frac{1}{4}$	407	(500-1 $\frac{1}{4}$)
	32		AB	1020-1	504	(600-1)	CD	1020-1 $\frac{1}{2}$	504	(600-1 $\frac{1}{2}$)
CIRCLING	ALL RWY		AB	1020-1	504	(600-1)	C	1020-1 $\frac{1}{2}$	504	(600-1 $\frac{1}{2}$)
			D	1080-2	564	(600-2)				

For inoperative MALSR increase S-19 CAT D visibility to RVR 6000.
When control tower closed, ASR NA.

RADAR INSTRUMENT APPROACH MINIMUMS

IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. An entry may also be listed that contains only Takeoff Obstacle Notes. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are textually described below, or published separately as a graphic procedure. If the ODP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned an ODP, SID, or RADAR vector as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

At some locations where an ODP has been established, a diverse vector area (DVA) may be created to allow RADAR vectors to be used in lieu of an ODP. DVA information will state that headings will be as assigned by ATC and climb gradients, when applicable, will be published immediately following the specified departure procedure.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) For aircraft, other than helicopters, having two engines or less – one statute mile visibility. (2) For aircraft having more than two engines – one-half statute mile visibility. (3) For helicopters – one-half statute mile visibility. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) takeoff minima are published below. For military takeoff minima, refer to appropriate service directives.

ALICE, TX

ALICE INTL (ALI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 07SEP23 (23250) (FAA)

TAKEOFF OBSTACLE NOTES:

- Rwy 17, trees beginning 205' from DER, 254' left of centerline, up to 194' MSL.
Tree 403' from DER, 316' right of centerline, 194' MSL.
Poles beginning 601' from DER, 179' right of centerline, up to 34' AGL/204' MSL.
Tree, poles beginning 618' from DER, 139' left of centerline, up to 203' MSL.
- Rwy 31, pole 2' from DER, 251' right of centerline, 4' AGL/181' MSL.
Building 159' from DER, 44' left of centerline, 187' MSL.
Vertical structure, tree beginning 388' from DER, 256' left of centerline, up to 199' MSL.
Tree 1072' from DER, 358' right of centerline, 207' MSL.
- Rwy 35, vegetation 330' from DER, 287' right of centerline, 185' MSL.
Tree 1154' from DER, 69' right of centerline, 202' MSL.
Windmill 1461' from DER, 164' left of centerline, 42' AGL/214' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

ALPINE, TX

ALPINE-CASPARIS MUNI (E38)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 27JAN22 (22027) (FAA)

DEPARTURE PROCEDURE:

Use ODKAE DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 1, fence 9' from DER, 283' left of centerline, 9' AGL/4458' MSL.

Sign 13' from DER, 239' right of centerline, 4452' MSL.

Vehicle on road 85' from DER, 278' left of centerline, 15' AGL/4463' MSL.

Pole 811' from DER, 470' right of centerline, 4470' MSL.

Rwy 5, sign 13' from DER, 239' left of centerline, 4452' MSL.

Sign 18' from DER, 164' right of centerline, 4453' MSL.

Antenna, vehicle on road, pole beginning 21' from DER, 400' right of centerline, up to 25' AGL/4474' MSL.

Tree 190' from DER, 468' left of centerline, 11' AGL/4455' MSL.

Trees beginning 292' from DER, 475' left of centerline, up to 19' AGL/4462' MSL.

Poles, tree beginning 480' from DER, 187' right of centerline, up to 4478' MSL.

Pole 612' from DER, 626' left of centerline, 33' AGL/4472' MSL.

Pole 1060' from DER, 658' left of centerline, 4476' MSL.

Rwy 19, vehicle on road, sign, tree beginning 1' from DER, 165' left of centerline, up to 4526' MSL.

Terrain 57' from DER, 121' right of centerline, 4516' MSL.

Vehicle on road 74' from DER, 276' right of centerline, 15' AGL/4531' MSL.

Vehicle on road 230' from DER, 290' left of centerline, 4527' MSL.

Vehicles on road beginning 293' from DER, 277' right of centerline, up to 4535' MSL.

Vehicles on road beginning 379' from DER, 265' right of centerline, up to 4536' MSL.

Vehicle on road 420' from DER, 289' left of centerline, 4528' MSL.

Pole 536' from DER, 573' left of centerline, 4548' MSL.

Windmill, vehicle on road, poles, tree beginning 548' from DER, 183' left of centerline, up to 4554' MSL.

Poles beginning 1325' from DER, 60' right of centerline, up to 4561' MSL.

Poles beginning 1334' from DER, 279' left of centerline, up to 4556' MSL.

Pole 1565' from DER, 689' right of centerline, 4562' MSL.

Terrain 2.4 NM from DER, 2888' left of centerline, 4927' MSL.

AUSTIN, TX

AUSTIN-BERGSTROM INTL (AUS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 22APR21 (21112) (FAA)

DEPARTURE PROCEDURE:

Rwy 36L, climb on heading 355° to 1700 before turning left.**Rwy 36R**, climb on heading 355° to 1300 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 18L, lighting 10' from DER, 4' right of centerline, 1' AGL/475' MSL.

Trees beginning 491' from DER, 560' left of centerline, up to 43' AGL/499' MSL.

Tree 552' from DER, 641' right of centerline, 29' AGL/494' MSL.

Trees beginning 562' from DER, 487' left of centerline, up to 44' AGL/501' MSL.

Tree 617' from DER, 571' right of centerline, 37' AGL/495' MSL.

Trees beginning 643' from DER, 472' left of centerline, up to 517' MSL.

Tree 674' from DER, 647' right of centerline, 50' AGL/499' MSL.

Trees beginning 721' from DER, 523' right of centerline, up to 50' AGL/504' MSL.

Trees beginning 756' from DER, 495' right of centerline, up to 64' AGL/508' MSL.

Tree 1750' from DER, 523' right of centerline, 75' AGL/519' MSL.

Tree 1899' from DER, 810' right of centerline, 75' AGL/526' MSL.

Tree 2165' from DER, 458' right of centerline, 85' AGL/529' MSL.

Rwy 18R, lighting, sign beginning 10' from DER, 4' left of centerline, up to 2' AGL/489' MSL.

Trees beginning 1919' from DER, 541' left of centerline, up to 93' AGL/545' MSL.

Rwy 36L, lighting beginning 5' from DER, 5' right of centerline, up to 1' AGL/543' MSL.**Rwy 36R**, lighting 10' from DER, 5' left of centerline, 1' AGL/493' MSL.

Tree 816' from DER, 663' right of centerline, 528' MSL.

AUSTIN EXEC (EDC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 17AUG17 (21112) (FAA)

TAKEOFF MINIMUMS:

Rwys 16, 34, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 31, pole and trees beginning 900' from DER, 258' left of centerline, up to 669' MSL.

Transmission line tower 1931' from DER, 911' right of centerline, 83' AGL/670' MSL.

Transmission line tower 2325' from DER, 878' right of centerline, 89' AGL/682' MSL.

Poles beginning 2362' from DER, 590' right of centerline, up to 113' AGL/707' MSL.

Transmission line tower 2568' from DER, 1159' left of centerline, 77' AGL/697' MSL.

Transmission line tower 3692' from DER, 437' left of centerline, 122' AGL/728' MSL.

Transmission line tower 4411' from DER, 1110' left of centerline, 135' AGL/749' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

AUSTIN, TX (CON'T)

SAN MARCOS RGNL (HYI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2B 17AUG17 (17229) (FAA)

DEPARTURE PROCEDURE:

Rwy 31, climb heading 306° to 1500 before turning right.

Rwy 35, climb heading 006° to 2500 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 8, sign 1' from DER, 250' left of centerline, 3' AGL/583' MSL.

Tree 942' from DER, 259' left of centerline, 612' MSL.

Rwy 13, tree 2505' from DER, 194' right of centerline, 71' AGL/637' MSL.

Tree 2615' from DER, 90' right of centerline, 75' AGL/639' MSL.

Trees beginning 2639' from DER, 139' right of centerline, up to 80' AGL/646' MSL.

Rwy 17, bush 26' from DER, 74' left of centerline, 2' AGL/576' MSL.

Rwy 26, REIL 9' from DER, 90' right of centerline, 4' AGL/589' MSL.

Tree 1073' from DER, 684' right of centerline, 621' MSL.

Poles and trees beginning 1206' from DER, 394' right of centerline, up to 50' AGL/638' MSL.

Rwy 31, trees beginning 912' from DER, 613' right of centerline, up to 622' MSL.

Pole and tree beginning 1046' from DER, 630' right of centerline, up to 34' AGL/631' MSL.

Tree 1287' from DER, 718' left of centerline, 627' MSL.

Rwy 35, sign 25' from DER, 198' left of centerline, 3' AGL/597' MSL.

Tree 2562' from DER, 1113' left of centerline, 659' MSL.

Tree 3227' from DER, 162' left of centerline, 54' AGL/676' MSL.

Trees beginning 3540' from DER, 51' left of centerline, up to 52' AGL/687' MSL.

Tree 3655' from DER, 362' right of centerline, 54' AGL/692' MSL.

Trees beginning 3664' from DER, 11' right of centerline, up to 54' AGL/693' MSL.

Tree 3727' from DER, 81' left of centerline, 52' AGL/688' MSL.

Tree 3741' from DER, 94' left of centerline, 52' AGL/690' MSL.

Tree 3972' from DER, 40' left of centerline, 48' AGL/696' MSL.

Tree 4131' from DER, 37' right of centerline, 42' AGL/699' MSL.

Tree 4146' from DER, 33' right of centerline, 43' AGL/700' MSL.

Pole and trees beginning 4150' from DER, 15' right of centerline, up to 44' AGL/702' MSL.

Tree 4209' from DER, 10' left of centerline, 39' AGL/701' MSL.

Tree 4222' from DER, 73' right of centerline, 42' AGL/704' MSL.

Tree 4225' from DER, 25' left of centerline, 38' AGL/702' MSL.

Trees beginning 4229' from DER, 35' right of centerline, up to 47' AGL/708' MSL.

Trees beginning 4406' from DER, 160' right of centerline, up to 36' AGL/709' MSL.

Trees beginning 4426' from DER, 278' right of centerline, up to 36' AGL/711' MSL.

Pole, buildings, and trees beginning 4435' from DER, 123' right of centerline, up to 47' AGL/720' MSL.

Pole 4450' from DER, 16' left of centerline, 36' AGL/707' MSL.

Pole, telephone line, and trees beginning 4554' from DER, 10' right of centerline, up to 35' AGL/722' MSL.

Tree 4785' from DER, 1629' left of centerline, 716' MSL.

Trees beginning 5071' from DER, 1533' left of centerline, up to 49' AGL/738' MSL.

BALLINGER, TX

BRUCE FLD (E30)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG 22SEP11 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning 1902' from DER, 661' right of centerline, up to 100' AGL/1859' MSL.

Rwy 35, trees, building, and road beginning 29' from DER, 210' left of centerline, up to 100' AGL/1839' MSL.

Tree and poles beginning 887' from DER, 429' right of centerline, up to 37' AGL/1772' MSL.

BEEVILLE, TX

BEEVILLE MUNI (BEA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG-A 26MAY16 (16147) (FAA)

TAKEOFF MINIMUMS:

Rwys 18, 36, NA-environmental.

Rwy 30, 300-2 or std. w/ min. climb of 239' per NM to 700.

TAKEOFF OBSTACLE NOTES:

Rwy 12, pole, and trees beginning 64' from DER, 290' right of centerline, up to 29' AGL/272' MSL.

Tree, road, and pole beginning 153' from DER, 9' right of centerline, up to 33' AGL/275' MSL.

Trees beginning 756' from DER, 50' left of centerline, up to 279' MSL.

Trees and pole beginning 933' from DER, 30' right of centerline, up to 282' MSL.

Rwy 30, pole, tree, and building beginning 117' from DER, 290' left of centerline, up to 32' AGL/301' MSL.

Tree 1054' from DER, 574' left of centerline, 307' MSL.

Tree 1835' from DER, 452' right of centerline, 319' MSL.

Pole and trees beginning 1875' from DER, 287' left of centerline, up to 323' MSL.

Tree beginning 1907' from DER, 246' right of centerline, up to 53' AGL/339' MSL.

Trees and poles beginning 1934' from DER, 100' left of centerline, up to 336' MSL.

Tower 1.4 NM from DER, 2568' right of centerline, 230' AGL/542' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

BIG LAKE, TX

REAGAN COUNTY (E41)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 05OCT23 (23278) (FAA)

TAKEOFF MINIMUMS:

Rwys 9, 27, NA-Environmental.

DEPARTURE PROCEDURE:

Rwy 16, climb on heading 161° to 3300 before turning left

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees, poles beginning 345' from DER, 148' right of centerline, up to 100' AGL/2809' MSL.

Trees, poles beginning 620' from DER, 267' left of centerline, up to 100' AGL/2809' MSL.

Trees beginning 3664' from DER, 1042' right of centerline, up to 100' AGL/2819' MSL.

Trees beginning 4050' from DER, 1261' right of centerline, up to 100' AGL/2829' MSL.

Rwy 34, trees beginning 350' from DER, 525' right of centerline, up to 100' AGL/2799' MSL.

BIGGS AAF (KBIF)

FORT BLISS, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 30NOV23 (23334) (USA)

DEPARTURE PROCEDURE:

Rwy 4, climbing right turn to intercept ELP VORTAC R-330 to ELP, thence...**Rwy 22**, climbing left turn to intercept ELP VORTAC R-240 to ELP, thence...

Continue climb in ELP holding pattern (hold east, left turns, 261° inbound) to cross ELP at or above MEA for route of flight before proceeding on course. Procedure NA for TACAN-only equipped aircraft.

TAKEOFF OBSTACLE NOTES:

Rwy 22, twr 1980' from DER, 841' left of centerline, 63' AGL/3962' MSL.

BRADY, TX

CURTIS FLD (BBD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 14FEB08 (22139) (FAA)

TAKEOFF MINIMUMS:

Rwys 8, 26, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 17, Light poles, trees, fence, terrain, and vehicle on road beginning 50' from DER, 362' left of centerline, up to 30' AGL/1827' MSL.

Trees beginning 17' from DER, 216' right of centerline, up to 30' AGL/1818' MSL.

BROWNSVILLE, TX

BROWNSVILLE/SOUTH PADRE ISLAND INTL (BRO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 13OCT16 (16287) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees and bushes beginning 32' from DER, 399' left of centerline, up to 30' AGL/50' MSL.

Trees, bushes, pole and building beginning 751' from DER, 191' right of centerline, up to 44' AGL/64' MSL.

Rwy 18, trees and pole beginning 58' from DER, 61' left of centerline, up to 53' AGL/78' MSL.

Trees and poles beginning 1011' from DER, 96' right of centerline, up to 44' AGL/69' MSL.

Rwy 31, airplanes on taxiway beginning 371' from DER, 563' right of centerline, up to 45' AGL/64' MSL.

Trees beginning 1141' from DER, 567' right of centerline, up to 37' AGL/52' MSL.

Rwy 36, pole and trees beginning 695' from DER, 140' right of centerline, up to 56' AGL/71' MSL.

Trees beginning 719' from DER, 84' left of centerline, up to 63' AGL/78' MSL.

BROWNWOOD, TX

BROWNWOOD RGNL (BWD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20OCT11 (11293) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 1523' from DER, 844' right of centerline, up to 47' AGL/1412' MSL.**Rwy 17**, trees beginning 797' from DER, 649' left of centerline, up to 33' AGL/1398' MSL.

Trees beginning 691' from DER, 640' right of centerline, up to 31' AGL/1393' MSL.

Building 737' from DER, 253' right of centerline, 29' AGL/1391' MSL.

Rwy 35, trees beginning 77' from DER, 272' left of centerline, up to 49' AGL/1411' MSL.

Trees beginning 771' from DER, 282' right of centerline, up to 46' AGL/1418' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

BURNET, TX

BURNET MUNI/KATE CRADDOCK FLD (BMQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 23FEB23 (23054) (FAA)

DEPARTURE PROCEDURE:

Rwy 1, climb on heading 013° to 1700 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 1, trees beginning 502' from DER, 28' left of centerline, up to 55' AGL/1355' MSL.

Trees beginning 1160' from DER, 52' right of centerline, up to 55' AGL/1335' MSL.

Trees beginning 1502' from DER, 30' left of centerline, up to 55' AGL/1375' MSL.

Rwy 19, trees beginning 158' from DER, 63' left of centerline, up to 55' AGL/1286' MSL.

Trees beginning 1194' from DER, 15' right of centerline, up to 55' AGL/1315' MSL.

CARRIZO SPRINGS, TX

DIMMIT COUNTY (CZT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 20APR23 (23110) (FAA)

DEPARTURE PROCEDURE:

Rwy 31, climb on heading 307° to 1200 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 13, fence 9' from DER, 370' right of centerline, 593' MSL.

Tree 81' from DER, 466' left of centerline, 594' MSL.

Tree 237' from DER, 413' right of centerline, 597' MSL.

Tree 267' from DER, 453' left of centerline, 598' MSL.

Trees beginning 422' from DER, 54' right of centerline, up to 603' MSL.

Rwy 31, fence 4' from DER, 352' left of centerline, 604' MSL.

Trees, buildings beginning 56' from DER, 90' right of centerline, up to 640' MSL.

Tree 224' from DER, 537' left of centerline, 644' MSL.

Tree, building beginning 326' from DER, 442' left of centerline, up to 645' MSL.

Tree 1101' from DER, 724' left of centerline, 665' MSL.

Trees beginning 1276' from DER, 255' left of centerline, up to 669' MSL.

CASTROVILLE, TX

CASTROVILLE MUNI (CVB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15OCT15 (15288) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees beginning 103' from DER, 361' left of centerline, up to 50' AGL/787' MSL.

Trees beginning 221' from DER, 347' right of centerline, up to 50' AGL/794' MSL.

Rwy 34, agriculture equipment beginning 1' from DER, 55' left of centerline, up to 15' AGL/790' MSL.

Road beginning 107' from DER, left and right of centerline, 15' AGL/789' MSL.

Trees beginning 1928' from DER, 5' right of centerline, up to 50' AGL/838' MSL.

Trees beginning 2322' from DER, 685' left of centerline, up to 50' AGL/851' MSL.

Pole 1483' from DER, 834' right of centerline, 37' AGL/816' MSL.

Pole 2255' from DER, 247' right of centerline, 52' AGL/831' MSL.

Antenna on silo 2239' from DER, 911' left of centerline, 88' AGL/870' MSL.

COLEMAN, TX

COLEMAN MUNI (COM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10MAR11 (11069) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, trees beginning 792' from DER, 67' right of centerline, up to 100' AGL/1774' MSL.

Rwy 33, cranes beginning 1010' from DER, 28' left of centerline, up to 65' AGL/1774' MSL.

Cranes beginning 2285' from DER, 13' right of centerline, up to 65' AGL/1774' MSL.

COMANCHE, TX

COMANCHE COUNTY-CITY (MKN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 30JAN20 (20030) (FAA)

DEPARTURE PROCEDURE:

Rwy 17, climb heading 173° to 2000 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 17, building, terrain, tree, vehicle on road beginning 32' from DER, 260' right of centerline, up to 1395' MSL.

Terrain, trees, pole beginning 191' from DER, 310' left of centerline, up to 1411' MSL.

Trees, pole beginning 718' from DER, 20' left of centerline, up to 1425' MSL.

Pole, trees, building beginning 784' from DER, 25' right of centerline, up to 1419' MSL.

Trees, poles beginning 1090' from DER, 25' left of centerline, up to 1430' MSL.

Tree 1382' from DER, 280' right of centerline, 1422' MSL.

Trees, poles beginning 1451' from DER, 18' right of centerline, up to 1436' MSL.

Tree 2280' from DER, 70' right of centerline, 1438' MSL.

CONT

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

COMANCHE, TX (CON'T)

COMANCHE COUNTY-CITY (MKN) (CON'T)

Rwy 17 (CON'T), tree 2291' from DER, 83' left of centerline, 1436' MSL.
 Trees beginning 2334' from DER, 155' right of centerline, up to 1444' MSL.
 Trees beginning 2378' from DER, 56' right of centerline, up to 1446' MSL.
 Trees beginning 2379' from DER, 74' left of centerline, up to 1438' MSL.
 Tree 2463' from DER, 294' right of centerline, 1448' MSL.
 Trees, pole beginning 2467' from DER, 62' right of centerline, up to 1463' MSL.
 Tree 2558' from DER, 19' left of centerline, 1443' MSL.
 Tree 2757' from DER, 314' left of centerline, 1446' MSL.
 Tree 3120' from DER, 344' left of centerline, 1461' MSL.
 Trees beginning 3132' from DER, 246' left of centerline, up to 1466' MSL.
Rwy 35, tree 54' from DER, 354' left of centerline, 1406' MSL.
 Tree 481' from DER, 345' right of centerline, 1404' MSL.
 Trees beginning 489' from DER, 436' right of centerline, up to 1408' MSL.

CORPUS CHRISTI, TX

CORPUS CHRISTI INTL (CRP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 26MAY16 (16147) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 400-2¼ or std. w/ min. climb of 235' per NM to 600.

DEPARTURE PROCEDURE:

Rwy 31, Climb heading 312° to 600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 13, vehicles on road and wind cone beginning 2' from DER, 260' right of centerline, up to 53' MSL.
 Vehicles on road 69' from DER, 337' right of centerline, 54' MSL.
Rwy 18, vehicles on road beginning 301' from DER, 103' left of centerline, up to 53' MSL.
Rwy 31, vehicles on road 22' from DER, 65' right of centerline, 58' MSL.
 Poles beginning 765' from DER, 616' right of centerline, up to 36' AGL/75' MSL.
Rwy 36, vehicles on road beginning 261' from DER, 444' right of centerline, up to 52' MSL.
 Vehicles on road 490' from DER, 604' left of centerline, 54' MSL.
 Light poles beginning 1217' from DER, 648' right of centerline, up to 31' AGL/74' MSL.
 Light poles beginning 1241' from DER, 665' left of centerline, up to 31' AGL/74' MSL.
 Light pole 1294' from DER, 799' right of centerline, 31' AGL/75' MSL.
 Light pole 1330' from DER, 850' left of centerline, 32' AGL/75' MSL.
 Refinery 1.9 NM from DER, 180' right of centerline, 318' AGL/344' MSL.
 Tower 2.1 NM from DER, 3773' left of centerline, 401' AGL/423' MSL.

CORPUS CHRISTI NAS (TRUAX FLD) (KNGP)

CORPUS CHRISTI, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 30NOV23 (23334) (USN)

TAKEOFF OBSTACLE NOTES:

Rwy 4, terrain 0' from DER, 500' right of centerline, 35' MSL.
 Antenna 103' from DER, 417' left of centerline, 38' MSL.
 Terrain 304' from DER, 500' left of centerline, 37' MSL.
 Terrain 761' from DER, 704' right of centerline, 33' MSL.
Rwy 13L, terrain 0' from DER, 500' left of centerline, 35' MSL.
 Antenna 57' from DER, 406' right of centerline, 22' AGL/37' MSL.
Rwy 18, terrain 0' from DER, 500' left of centerline, 35' MSL.
 Pylon 4925' from DER, 382' left of centerline, 124' AGL/142' MSL.
Rwy 22, terrain 0' from DER, 500' left of centerline, 33' MSL.
 Antenna 209' from DER, 474' left of centerline, 20' AGL/40' MSL.
Rwy 31R, terrain 0' from DER, 500' right of centerline, 33' MSL.
 Terrain 292' from DER, 500' right of centerline, 33' MSL.
Rwy 36, terrain 0' from DER, 500' left of centerline, 36' MSL.
 Terrain 300' from DER, 580' left of centerline, 36' MSL.
 Antenna 568' from DER, 417' right of centerline, 38' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

23334

COTULLA, TX

COTULLA-LA SALLE COUNTY (COT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 18SEP14 (14261) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 4' from DER, left and right of centerline, up to 20' AGL/465' MSL.

Vehicles on unlit roadway, beginning 55' from DER, 507' left of centerline, up to 15' AGL/482' MSL.

Trees beginning 142' from DER, left and right of centerline, up to 20' AGL/482' MSL.

Trees beginning 622' from DER, left and right of centerline, up to 24' AGL/480' MSL.

Pole 1002' from DER, 548' left of centerline, 33' AGL/488' MSL.

Rwy 31, fence .08' from DER, 310' right of centerline, 3' AGL/476' MSL.

Trees beginning 19' from DER, left and right of centerline, up to 13' AGL/485' MSL.

Trees beginning 178' from DER, 311' right of centerline, up to 16' AGL/490' MSL.

Trees beginning 380' from DER, 386' right of centerline, up to 21' AGL/493' MSL.

DEL RIO, TX

DEL RIO INTL (DRT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09SEP99 (99252) (FAA)

DEPARTURE PROCEDURE:

Rwy 13, climb to 1500 prior to left turn.

DEVINE, TX

DEVINE MUNI (23R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 15DEC11 (11349) (FAA)

TAKEOFF MINIMUMS:

Rwy 35, 300-1 or std. w/min. climb of 265' per NM to 900.

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning 281' from DER, 383' left of centerline, up to 50' AGL/759' MSL.

Trees beginning 1145' from DER, 233' left of centerline, up to 50' AGL/779' MSL.

Rwy 35, trees beginning 4761' from DER, 128' right of centerline, up to 50' AGL/839' MSL.

EAGLE PASS, TX

MAVERICK COUNTY MEML INTL (5T9)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25SEP08 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, vehicle on road 171' from DER, 393' right of centerline, 15' AGL/894' MSL.

EDINBURG, TX

SOUTH TEXAS INTL AT EDINBURG (EBG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 28SEP06 (06271) (FAA)

TAKEOFF MINIMUMS:

CAUTION: Unmarked balloon and cable to 15000' MSL in R-6317.

Rwy 14, 276/37.9 NM.

Rwy 32, 276/38.5 NM.

TAKEOFF OBSTACLE NOTES:

Rwy 14, tree 1109' from DER, 525' right of centerline, 19' AGL/108' MSL.

Terrain 20' from DER, 312' right of centerline, 0' AGL/74' MSL.

Rwy 32, multiple poles beginning 831' from DER, 53' right of centerline, up to 32' AGL/111' MSL.

Road 640' from DER, 671' right of centerline, 17' AGL/96' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

EL PASO, TX

EL PASO INTL (ELP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 20AUG15 (15232) (FAA)

TAKEOFF MINIMUMS:

Rwys 8L, 26R, NA-Environmental.**Rwy 26L**, std. w/min. climb of 490' per NM to 6300.

DEPARTURE PROCEDURE:

Rwy 4, 8R, climbing right turn heading 120° and ELP R-150 to 9000, then proceed on course.**Rwy 22, 26L**, climbing left turn heading 120° and ELP R-150 to 9000, then proceed on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, light poles beginning 1053' from DER, 746' left of centerline, 39' AGL/3986' MSL.**Rwy 26L**, light poles beginning 1248' from DER, 614' left of centerline, up to 60' AGL/3983' MSL.

Windsock 113' from DER, 295' right of centerline, 20' AGL/3943' MSL.

Rwy 22, utility pedestal 30' from DER, 205' right of centerline, 4' AGL/3918' MSL.

FALFURRIAS, TX

BROOKS COUNTY (BKS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07MAY09 (09127) (FAA)

TAKEOFF MINIMUMS:

Rwy 32, 400-2¼ or std. w/ min. climb of 249' per NM to 600.**Rwy 35**, std. w/ min. climb of 250' per NM to 800, or 500-3 w/ min. climb of 242' per NM to 800, or 900-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 35, for climb in visual conditions: cross Brooks County Airport at or above 900 MSL before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 14, vehicle on road, 29' from DER, 499' left of centerline, 15' AGL/129' MSL.

Trees beginning 149' from DER, 523' left of centerline, up to 40' AGL/154' MSL.

Trees beginning at DER, 415' right of centerline, up to 40' AGL/149' MSL.

Rwy 17, vehicle on road, at DER, 364' left of centerline, 15' AGL/119' MSL.

Trees beginning 15' from DER, 331' right of centerline, up to 40' AGL/149' MSL.

Trees beginning 165' from DER, 126' left of centerline, up to 17' AGL/129' MSL.

Rwy 32, road and trees beginning 587' from DER, 35' right of centerline, up to 40' AGL/149' MSL.

Tower 1.9 NM from DER, 987' left of centerline, 298' AGL/418' MSL.

Rwy 35, vehicle on road, at DER, 360' right of centerline, 15' AGL/118' MSL.

Tree 1010' from DER, 278' right of centerline, 29' AGL/138' MSL.

Tower 2.6 NM from DER, 426' right of centerline, 414' AGL/539' MSL.

FORT CAVAZOS (KILLEEN), TX

ROBERT GRAY AAF (GRK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 30NOV23 (23334) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 33, pole 974' from DER, 746' left of centerline, 35' AGL/1050' MSL.

Pole 1121' from DER, 746' left of centerline, 33' AGL/1048' MSL.

FORT STOCKTON, TX

FORT STOCKTON-PECOS COUNTY (FST)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 27AUG09 (09239) (FAA)

TAKEOFF MINIMUMS:

Rwys 7, 11, 16, 25, 29, 34, NA-Environmental.**Rwy 21**, 300-1 or std. w/ min. climb of 280' per NM to 3600.

DEPARTURE PROCEDURE:

Rwy 21, climb heading 208° to 3600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 12, tree 899' from DER, 310' right of centerline, 39' AGL/3049' MSL.**Rwy 21**, brush beginning 110' from DER, 222' right of centerline, up to 20' AGL/3159' MSL.

Terrain beginning 124' from DER, 77' right of centerline, up to 3173' MSL.

Terrain beginning 56' from DER, 132' left of centerline, up to 3111' MSL.

Bush 236' from DER, 30' left of centerline, 6' AGL/3013' MSL.

Vehicle on road, 2017' from DER, 973' left of centerline, 17' AGL/3066' MSL.

Rwy 30, trees beginning 64' from DER, 354' left of centerline, up to 6' AGL/2995' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

FREDERICKSBURG, TX

GILLESPIE COUNTY (T82)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 25APR19 (19115) (FAA)

DEPARTURE PROCEDURE:

Rwy 14, climb heading 141° to 2400 before turning right.**Rwy 32**, climb heading 321° to 2400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 14, trees beginning 32' from DER, 310' right of centerline, up to 1685' MSL.

Pole 202' from DER, 515' left of centerline, 30' AGL/1708' MSL.

Tree 325' from DER, 298' right of centerline, 1688' MSL.

Trees beginning 336' from DER, 439' left of centerline, up to 1715' MSL.

Trees beginning 437' from DER, 297' left of centerline, up to 1718' MSL.

Trees beginning 517' from DER, 323' left of centerline, up to 1723' MSL.

Tree 531' from DER, 328' right of centerline, 1694' MSL.

Rwy 32, building, trees beginning 9' from DER, 22' right of centerline, up to 31' AGL/1719' MSL.

Trees beginning 84' from DER, 7' left of centerline, up to 1726' MSL.

Tree 943' from DER, 490' right of centerline, 1720' MSL.

Pole 1028' from DER, 713' right of centerline, 45' AGL/1733' MSL.

Trees, poles beginning 1038' from DER, 113' right of centerline, up to 1735' MSL.

Trees beginning 1108' from DER, 117' left of centerline, up to 1731' MSL.

Trees, poles beginning 1201' from DER, 39' right of centerline, up to 1737' MSL.

Tree 1883' from DER, 432' right of centerline, 1742' MSL.

GEORGE WEST, TX

LIVE OAK COUNTY (8T6)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 23JUN16 (16175) (FAA)

TAKEOFF MINIMUMS:

Rwy 31, 700-3 or std. with a min. climb of 230' per NM to 1000.

DEPARTURE PROCEDURE:

Rwy 13, climb runway heading to 600 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 13, Trees and poles beginning 20' from DER, left and right of centerline, up to 37' AGL/157' MSL.

Vehicles on road starting 200' from DER, 431' left of centerline, up to 15' AGL/138' MSL.

Trees 815' from DER, 613' right of centerline, 48' AGL/168' MSL.

Rwy 31, Building, trees and poles beginning 57' from DER, 484' right of centerline, up to 40' AGL/163' MSL.

Vehicles on road starting 85' from DER, left and right of centerline, up to 15' AGL/143' MSL.

Trees and poles beginning 365' from DER, 401' left of centerline, 50' AGL/180' MSL.

GEORGETOWN, TX

GEORGETOWN EXEC (GTU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 17AUG17 (22195) (FAA)

TAKEOFF MINIMUMS:

Rwy 18, 200-1¼ or std. w/min. climb of 250' per NM to 1000.

TAKEOFF OBSTACLE NOTES:

Rwy 11, tree 11' from DER, 401' right of centerline, 786' MSL.

Poles and trees beginning 79' from DER, 136' right of centerline, up to 39' AGL/796' MSL.

Building 183' from DER, 477' left of centerline, 776' MSL.

Poles and buildings beginning 251' from DER, 424' left of centerline, up to 789' MSL.

Trees beginning 489' from DER, 226' left of centerline, up to 791' MSL.

Transmission towers, catenary, and telephone line beginning 2019' from DER, 27' left of centerline, up to 97' AGL/837' MSL.

Transmission tower and telephone line beginning 2271' from DER, 900' right of centerline, up to 826' MSL.

Tower 5361' from DER, 515' right of centerline, 179' AGL/894' MSL.

Rwy 18, REIL, vehicles on road, and tree beginning 30' from DER, 124' left of centerline, up to 784' MSL.

Tree 148' from DER, 465' left of centerline, 33' AGL/787' MSL.

Trees beginning 175' from DER, 444' right of centerline, up to 779' MSL.

Obstruction light on pole, poles, and trees beginning 300' from DER, 38' left of centerline, up to 792' MSL.

Obstruction light on pole, poles, and trees beginning 351' from DER, 19' right of centerline, up to 792' MSL.

Transmission tower 3137' from DER, 1036' left of centerline, 90' AGL/835' MSL.

Antenna on water tower 1 NM from DER, 1158' right of centerline, 163' AGL/932' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

GEORGETOWN, TX (CON'T)

GEORGETOWN EXEC (GTU) (CON'T)

Rwy 29, bushes beginning 10' from DER, 117' left of centerline, up to 792' MSL.

Terrain 15' from DER, 91' right of centerline, 790' MSL.

Terrain 15' from DER, 191' right of centerline, 792' MSL.

Trees beginning 89' from DER, 345' left of centerline, up to 806' MSL.

Bush and tree beginning 103' from DER, 351' right of centerline, up to 23' AGL/819' MSL.

Tree 205' from DER, 403' left of centerline, 811' MSL.

Tree 260' from DER, 562' right of centerline, 824' MSL.

Trees beginning 296' from DER, 291' left of centerline, up to 819' MSL.

Trees beginning 331' from DER, 162' right of centerline, up to 828' MSL.

Trees beginning 544' from DER, 22' right of centerline, up to 833' MSL.

Trees beginning 549' from DER, 78' left of centerline, up to 821' MSL.

Pole 766' from DER, 524' right of centerline, 837' MSL.

Poles and trees beginning 787' from DER, 48' left of centerline, up to 826' MSL.

Poles and trees beginning 800' from DER, 56' right of centerline, up to 840' MSL.

Tree 1902' from DER, 923' right of centerline, 841' MSL.

Trees beginning 1958' from DER, 563' right of centerline, up to 844' MSL.

Rwy 36, building 70' from DER, 513' right of centerline, 789' MSL.

Antenna 104' from DER, 492' right of centerline, 810' MSL.

Terrain 115' from DER, 345' left of centerline, 789' MSL.

Trees beginning 143' from DER, 378' left of centerline, up to 18' AGL/810' MSL.

Pole 269' from DER, 565' left of centerline, 35' AGL/828' MSL.

Trees beginning 284' from DER, 424' right of centerline, up to 818' MSL.

Tree 322' from DER, 360' left of centerline, 831' MSL.

Pole and trees beginning 392' from DER, 301' left of centerline, up to 837' MSL.

Tower and trees beginning 510' from DER, 429' right of centerline, up to 45' AGL/823' MSL.

HAMILTON, TX

HAMILTON MUNI (MNZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 17DEC09 (09351) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, tree 689' from DER, 211' left of centerline, 40' AGL/1346' MSL.

Vehicle on North-South road 849' from DER, on extended centerline, 15' AGL/1321' MSL.

Rwy 36, trees beginning 621' from DER, 186' left of centerline, 40' AGL/1359' MSL.

Trees 879' from DER, 87' right of centerline, 40' AGL/1359' MSL.

HARLINGEN, TX

VALLEY INTL (HRL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 15AUG19 (19227) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, sign 29' from DER, 251' left of centerline, 6' AGL/39' MSL.

Pole 1117' from DER, 550' left of centerline, 34' AGL/67' MSL.

Rwy 17L, NAVAID 9' from DER, on centerline, 3' AGL/37' MSL.

Vehicle on road 410' from DER, 519' left of centerline, 50' MSL.

Vehicle on road 415' from DER, 1' right of centerline, 51' MSL.

Rwy 17R, fence 23' from DER, 498' right of centerline, 9' AGL/41' MSL.

Rwy 31, NAVAID 52' from DER, 199' left of centerline, 4' AGL/37' MSL.

Pole 752' from DER, 540' left of centerline, up to 34' AGL/66' MSL.

Tree 981' from DER, 461' left of centerline, 69' MSL.

Tree 1055' from DER, 517' left of centerline, 72' MSL.

Rwy 35L, sign 23' from DER, 250' left of centerline, 3' AGL/36' MSL.

Rwy 35R, NAVAID 40' from DER, 149' left of centerline, 3' AGL/36' MSL.

NAVAID 40' from DER, 148' right of centerline, 3' AGL/36' MSL.

NAVAID 40' from DER, 202' left of centerline, 4' AGL/37' MSL.

HEBBRONVILLE, TX

JIM HOGG COUNTY (HBV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 7' from DER, 59' left of centerline, up to 25' AGL/694' MSL.

Rwy 31, trees beginning 112' from DER, 274' right of centerline to 438' left of centerline, up to 12' AGL/681' MSL. Pole 801'

from DER, 374' right of centerline, up to 26' AGL/685' MSL.

NDB 275' from DER, 495' left of centerline, up to 33' AGL/692' MSL.

Vehicle on road 399' from DER, left and right of centerline, up to 15' AGL/674' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

HONDO, TX

SOUTH TEXAS RGNL AT HONDO (HDO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 28JUL11 (11209) (FAA)

TAKEOFF MINIMUMS:

Rwys 4, 22, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 8, trees 407' from DER, 243' left of centerline, 30' AGL/959' MSL.**Rwy 17L**, vehicles on road 488' from DER, 131' right of centerline, 15' AGL/925' MSL.**Rwy 17R**, sand storage domes beginning 3653' from DER, 838' right of centerline, up to 115' AGL/1023' MSL.**Rwy 35R**, vehicles on road 161' from DER, 172' left of centerline, 15' AGL/943' MSL.

Multiple trees beginning 636' from DER, 354' right of centerline, up to 26' AGL/955' MSL.

Vehicles on road beginning 490' from DER, 122' right of centerline, 15' AGL/943' MSL.

Rwy 26, trees 1022' from DER, 241' right of centerline, 30' AGL/959' MSL.**Rwy 13**, trees 726' from DER, 250' left of centerline, 30' AGL/939' MSL.

JUNCTION, TX

KIMBLE COUNTY (JCT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05MAY11 (11125) (FAA)

TAKEOFF MINIMUMS:

Rwys 8, 26, NA - Environmental.**Rwy17**, std. w/min. climb of 340' per NM to 2300 or 1300-3 for climb in visual conditions.**Rwy 35**, std. w/min. climb of 565' per NM to 2200 or 400-3 with minimum climb of 230' per NM to 2500, or 1300-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 17, climb heading 172° to 2800 before proceeding on course, for climb in visual conditions cross Kimble County Airport at or above 2900 before proceeding on course.**Rwy 35**, for climb in visual conditions cross Kimble County Airport at or above 2900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning abeam DER, 297' right of centerline, up to 50' AGL/1749' MSL.

Power lines beginning 229' from DER, 370' right of centerline, up to 75' AGL/1744' MSL.

Vehicles on road beginning 390' from DER, left and right of centerline, up to 17' AGL/1716' MSL.

Trees beginning 1548' from DER, left and right of centerline, up to 50' AGL/2049' MSL.

Radio towers beginning 4568' from DER, 736' left of centerline, up to 169' AGL/1854' MSL.

Rwy 35, power lines beginning abeam DER, 545' left of centerline, up to 75' AGL/1854' MSL.

Power lines abeam DER, 561' right of centerline, up to 75' AGL/1854' MSL.

Vehicles on road beginning 1121' from DER, left and right of centerline, up to 15' AGL/1794' MSL.

Trees beginning 1254' from DER, left and right of centerline, up to 50' AGL/2129' MSL.

KELLY FLD (KSKF)

SAN ANTONIO, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25MAY17 (17145)

TAKEOFF OBSTACLE NOTES:

Rwy 34, trees 50' AGL/743' MSL, 1763' from DER, 919' left of cntrln.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

SC-3



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

KENEDY, TX

KENEDY RGNL (2R9)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 15AUG19 (19227) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 300-1¼ or std. w/min. climb of 310' per NM to 600.**Rwy 34**, 400-2¼ or std. w/min. climb of 675' per NM to 600.

DEPARTURE PROCEDURE:

Rwy 34, climb heading 344° to 800 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 16, fence at DER, 293' right of centerline, 8' AGL/277' MSL.

Fence at DER, 291' left of centerline, 8' AGL/279' MSL.

Trees beginning 11' from DER, 268' right of centerline, up to 100' AGL/379' MSL.

Poles beginning 965' from DER, 352' left of centerline, up to 80' AGL/364' MSL.

Tree 1771' from DER, 937' right of centerline, 100' AGL/389' MSL.

Tree 2752' from DER, 993' right of centerline, 100' AGL/399' MSL.

Tree 3234' from DER, 1137' left of centerline, 100' AGL/409' MSL.

Tree 3408' from DER, 982' right of centerline, 100' AGL/419' MSL.

Tree 4050' from DER, 808' right of centerline, 100' AGL/429' MSL.

Tree 4523' from DER, 348' right of centerline, 100' AGL/439' MSL.

Tree 4854' from DER, 200' right of centerline, 100' AGL/449' MSL.

Tree 5091' from DER, 147' right of centerline, 100' AGL/459' MSL.

Trees beginning 5351' from DER, 18' right of centerline, up to 100' AGL/469' MSL.

Tree 5684' from DER, 983' right of centerline, 100' AGL/479' MSL.

Tree 1 NM from DER, 1953' right of centerline, 100' AGL/489' MSL.

Tree 1.1 NM from DER, 2105' right of centerline, 100' AGL/499' MSL.

Tree 1.5 NM from DER, 1603' right of centerline, 100' AGL/507' MSL.

Rwy 34, tree 51' from DER, 180' left of centerline, 100' AGL/399' MSL.

Fence 169' from DER, crossing extended runway centerline, 8' AGL/295' MSL.

Tower 1031' from DER, 2808' left of centerline, 238' AGL/678' MSL.

Tree 1457' from DER, 761' left of centerline, 100' AGL/419' MSL.

Tree 1512' from DER, 8' right of centerline, 100' AGL/409' MSL.

Tree 1615' from DER, 859' left of centerline, 100' AGL/429' MSL.

Tree 1779' from DER, 861' left of centerline, 100' AGL/439' MSL.

Tree 1902' from DER, 847' left of centerline, 100' AGL/449' MSL.

Tree 2521' from DER, 950' right of centerline, 100' AGL/469' MSL.

Tree 3594' from DER, 1437' right of centerline, 100' AGL/459' MSL.

Tree 4395' from DER, 107' left of centerline, 100' AGL/469' MSL.

Tree 4834' from DER, 178' left of centerline, 100' AGL/479' MSL.

Tree 5227' from DER, 352' left of centerline, 100' AGL/489' MSL.

Tree 5720' from DER, 153' left of centerline, 100' AGL/499' MSL.

Trees beginning 1 NM from DER, 24' left of centerline, up to 100' AGL/519' MSL.

Trees beginning 1.1 NM from DER, 4' right of centerline, up to 100' AGL/529' MSL.

Tower, trees beginning 1.4 NM from DER, 86' left of centerline, up to 238' AGL/628' MSL.

KERRVILLE, TX

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 03JAN19 (22139) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, 500-3 w/min. climb of 390' per NM to 2600, or std. w/min. climb of 455' per NM to 2400 or 1300-3 for VCOA.**Rwy 30**, std. w/min. climb of 215' per NM to 2300 or 1300-3 for VCOA.

VCOA:

Rwys 3, 30, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Kerrville Muni/Louis Schreiner Fld at or above 2800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, tree 23' from DER, 465' left of centerline, 41' AGL/1631' MSL.

Terrain 25' from DER, 401' right of centerline, 1635' MSL.

Terrain 36' from DER, 505' right of centerline, 1647' MSL.

Vehicles on road, terrain beginning 45' from DER, 310' right of centerline, up to 1649' MSL.

Trees beginning 239' from DER, 445' left of centerline, up to 47' AGL/1640' MSL.

Vehicle on road, terrain beginning 296' from DER, 352' right of centerline, up to 1650' MSL.

Trees beginning 436' from DER, 344' left of centerline, up to 66' AGL/1664' MSL.

Vehicles on road, terrain beginning 496' from DER, 311' right of centerline, up to 1652' MSL.

Trees, vehicles on road beginning 853' from DER, 117' right of centerline, up to 38' AGL/1673' MSL.

Trees beginning 895' from DER, 46' right of centerline, up to 31' AGL/1675' MSL.

Trees beginning 985' from DER, 96' right of centerline, up to 26' AGL/1678' MSL.

Trees beginning 1030' from DER, 198' right of centerline, up to 41' AGL/1684' MSL.

Poles, vehicles on road, transmission line, trees beginning 1176' from DER, 11' right of centerline, up to 55' AGL/1715' MSL.

Pole 1434' from DER, 418' left of centerline, 58' AGL/1672' MSL.

Transmission line, pole beginning 1440' from DER, 414' left of centerline, up to 59' AGL/1674' MSL.

Pole 1523' from DER, 772' left of centerline, 63' AGL/1698' MSL.

CON'T



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

SC-3

23334

KERRVILLE, TX (CON'T)

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV) (CON'T)

Rwy 3 (CON'T), transmission line, trees, windmill, pole, vehicle on road beginning 1525' from DER, 28' left of centerline, up to 64' AGL/1705' MSL.

Trees, vehicles on road, fence beginning 2019' from DER, 37' right of centerline, up to 33' AGL/1742' MSL.

Trees, terrain beginning 2581' from DER, 576' right of centerline, up to 1743' MSL.

Trees beginning 2717' from DER, 540' left of centerline, up to 29' AGL/1708' MSL.

Trees, fence beginning 2978' from DER, 804' left of centerline, up to 37' AGL/1733' MSL.

Trees beginning 3253' from DER, 920' left of centerline, up to 30' AGL/1738' MSL.

Trees, pole beginning 3636' from DER, 1190' left of centerline, up to 33' AGL/1742' MSL.

Tree 3905' from DER, 1490' right of centerline, 30' AGL/1751' MSL.

Trees beginning 4069' from DER, 920' right of centerline, up to 16' AGL/1753' MSL.

Trees beginning 4108' from DER, 1199' right of centerline, up to 27' AGL/1773' MSL.

Tree 4291' from DER, 1344' right of centerline, 23' AGL/1776' MSL.

Trees beginning 4312' from DER, 1120' right of centerline, up to 23' AGL/1796' MSL.

Fence, tree beginning 4440' from DER, 1207' right of centerline, up to 4' AGL/1824' MSL.

Fence, tree beginning 4504' from DER, 1136' right of centerline, up to 6' AGL/1832' MSL.

Terrain, fence, tree beginning 4610' from DER, 1475' right of centerline, up to 1869' MSL.

Trees, fence, terrain beginning 4656' from DER, 347' right of centerline, up to 14' AGL/1879' MSL.

Poles beginning 4892' from DER, 1415' left of centerline, up to 40' AGL/1753' MSL.

Pole, trees beginning 5066' from DER, 1275' left of centerline, up to 39' AGL/1758' MSL.

Pole, tree beginning 5204' from DER, 1373' left of centerline, up to 37' AGL/1760' MSL.

Tree 5259' from DER, 1498' left of centerline, 34' AGL/1764' MSL.

Trees beginning 5329' from DER, 1203' left of centerline, up to 41' AGL/1769' MSL.

Tree 5365' from DER, 1718' left of centerline, 33' AGL/1772' MSL.

Trees, vehicle on road, poles beginning 5366' from DER, 1159' left of centerline, up to 32' AGL/1773' MSL.

Tree 5569' from DER, 1423' left of centerline, 34' AGL/1775' MSL.

Pole 5579' from DER, 1525' left of centerline, 28' AGL/1778' MSL.

Pole beginning 5639' from DER, 1125' left of centerline, up to 27' AGL/1800' MSL.

Pole, terrain, trees beginning 5667' from DER, 1228' left of centerline, up to 36' AGL/1809' MSL.

Tree 5885' from DER, 1970' left of centerline, 28' AGL/1850' MSL.

Trees, terrain beginning 5931' from DER, 1356' left of centerline, up to 26' AGL/1874' MSL.

Tree 6068' from DER, 1968' left of centerline, 21' AGL/1890' MSL.

Trees beginning 1 NM from DER, 1442' left of centerline, up to 21' AGL/1892' MSL.

Tree, vehicle on road, terrain, fence beginning 1 NM from DER, 1349' left of centerline, up to 1924' MSL.

Vehicle on road, tree beginning 1 NM from DER, 914' right of centerline, up to 1902' MSL.

Vehicles on road beginning 1 NM from DER, 1170' right of centerline, up to 1903' MSL.

Trees beginning 1 NM from DER, 991' right of centerline, up to 22' AGL/1921' MSL.

Tree, vehicles on road beginning 1.1 NM from DER, 735' right of centerline, up to 29' AGL/1923' MSL.

Tree, terrain beginning 1.1 NM from DER, 524' right of centerline, up to 1927' MSL.

Trees, vehicles on road, terrain, poles beginning 1.1 NM from DER, 416' right of centerline, up to 36' AGL/1929' MSL.

Building, trees, vehicle on road beginning 1.2 NM from DER, 1213' right of centerline, up to 32' AGL/1931' MSL.

Trees, vehicles on road, poles, building, terrain, tank beginning 1.2 NM from DER, on and right of centerline, up to 35' AGL/1934' MSL.

Fence, tree beginning 1.3 NM from DER, 1576' left of centerline, up to 6' AGL/1925' MSL.

Building 1.3 NM from DER, 2597' left of centerline, 14' AGL/1934' MSL.

Tree 1.3 NM from DER, 2558' left of centerline, 23' AGL/1943' MSL.

Building, trees, poles, vehicles on road beginning 1.3 NM from DER, 1543' left of centerline, up to 41' AGL/1962' MSL.

Buildings, poles, vehicles on road, trees, fence, tank, terrain beginning 1.3 NM from DER, 18' left of centerline, up to 32' AGL/1963' MSL.

Trees, pole, vehicles on road beginning 1.4 NM from DER, 160' right of centerline, up to 31' AGL/1941' MSL.

Trees, vehicles on road, fence beginning 1.4 NM from DER, 233' right of centerline, up to 25' AGL/1947' MSL.

Trees, poles, vehicles on road beginning 1.5 NM from DER, 196' right of centerline, up to 25' AGL/1950' MSL.

Poles, trees, vehicles on road, fence, terrain beginning 1.5 NM from DER, 179' right of centerline, up to 44' AGL/1961' MSL.

Trees, vehicles on road, terrain beginning 1.6 NM from DER, 37' left of centerline, up to 25' AGL/1967' MSL.

Trees, vehicles on road, pole beginning 1.7 NM from DER, 133' right of centerline, up to 28' AGL/1962' MSL.

Vehicle on road, tree beginning 1.7 NM from DER, 1457' right of centerline, up to 1963' MSL.

Trees, vehicles on road beginning 1.7 NM from DER, 1588' left of centerline, up to 18' AGL/1968' MSL.

Trees, fence, vehicles on road beginning 1.7 NM from DER, 15' right of centerline, up to 22' AGL/1978' MSL.

Poles, trees, vehicles on road, terrain, building beginning 1.7 NM from DER, 196' right of centerline, up to 36' AGL/1982' MSL.

Vehicles on road, tree beginning 1.7 NM from DER, 2149' left of centerline, up to 1969' MSL.

Poles, trees, vehicles on road beginning 1.7 NM from DER, 906' left of centerline, up to 39' AGL/1976' MSL.

Pole, trees, vehicles on road beginning 1.7 NM from DER, 76' right of centerline, up to 45' AGL/1994' MSL.

Pole, tree, vehicle on road, terrain beginning 1.7 NM from DER, 17' left of centerline, up to 40' AGL/1986' MSL.

Tree, vehicle on road, tank beginning 1.8 NM from DER, 271' right of centerline, up to 36' AGL/2000' MSL.

Trees beginning 1.8 NM from DER, 88' right of centerline, up to 27' AGL/2010' MSL.

Poles, fence, buildings, trees, vehicles on road, terrain beginning 1.8 NM from DER, on centerline, up to 43' AGL/2022' MSL.

Vehicles on road, trees, pole beginning 1.8 NM from DER, 84' left of centerline, up to 1989' MSL.

Trees, poles, vehicles on road, building, terrain beginning 1.8 NM from DER, 173' left of centerline, up to 44' AGL/2003' MSL.

Tree, terrain, buildings, vehicles on road, pole beginning 1.9 NM from DER, 267' left of centerline, up to 34' AGL/2025' MSL.

Windmill, buildings, trees, terrain, vehicles on road, poles, tank, transmission line beginning 1.9 NM from DER, 34' left of centerline, up to 52' AGL/2044' MSL.

CON'T

23334

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

KERRVILLE, TX (CON'T)

KERRVILLE MUNI/LOUIS SCHREINER FLD (ERV) (CON'T)

Rwy 3 (CON'T), transmission line, tree beginning 2.4 NM from DER, 1351' left of centerline, up to 116' AGL/2077' MSL.
Transmission lines, trees beginning 2.4 NM from DER, 524' left of centerline, up to 108' AGL/2078' MSL.
Transmission lines 2.5 NM from DER, 866' right of centerline, 103' AGL/2042' MSL.

Rwy 12, terrain beginning 76' from DER, 189' left of centerline, up to 1593' MSL.

Tree 289' from DER, 448' right of centerline, 32' AGL/1605' MSL.

Vehicles on road beginning 517' from DER, 617' left of centerline, up to 1608' MSL.

Tree 625' from DER, 442' right of centerline, 33' AGL/1607' MSL.

Rwy 21, fence, terrain beginning 1' from DER, 145' right of centerline, up to 1583' MSL.

Vehicles on road, sign, terrain beginning 13' from DER, 125' left of centerline, up to 1576' MSL.

Pole 838' from DER, 593' right of centerline, 35' AGL/1595' MSL.

Pole, trees beginning 893' from DER, 422' right of centerline, up to 41' AGL/1602' MSL.

Trees beginning 975' from DER, 277' right of centerline, up to 54' AGL/1608' MSL.

Trees beginning 1291' from DER, 284' right of centerline, up to 80' AGL/1610' MSL.

Tree 1439' from DER, 250' right of centerline, 89' AGL/1619' MSL.

Antenna 2904' from DER, 870' right of centerline, 102' AGL/1655' MSL.

Tree 4950' from DER, 1649' right of centerline, 48' AGL/1704' MSL.

Tree, building beginning 4963' from DER, 1520' right of centerline, up to 50' AGL/1710' MSL.

Rwy 30, vehicle on road 1' from DER, 477' left of centerline, 1577' MSL.

Tree 190' from DER, 493' left of centerline, 28' AGL/1584' MSL.

Tree 210' from DER, 514' left of centerline, 41' AGL/1592' MSL.

Pole, tree, building, lighting beginning 244' from DER, 208' left of centerline, up to 33' AGL/1594' MSL.

Fence beginning 324' from DER, 330' right of centerline, up to 11' AGL/1582' MSL.

Vehicles on road, fence beginning 329' from DER, 271' right of centerline, up to 1592' MSL.

Tree 404' from DER, 521' right of centerline, 35' AGL/1610' MSL.

Trees, poles beginning 407' from DER, 412' left of centerline, up to 51' AGL/1598' MSL.

Poles, building, trees beginning 443' from DER, 32' right of centerline, up to 39' AGL/1615' MSL.

Tree 599' from DER, 500' left of centerline, 51' AGL/1605' MSL.

Trees beginning 621' from DER, 19' left of centerline, up to 51' AGL/1606' MSL.

Trees beginning 874' from DER, 104' left of centerline, up to 83' AGL/1614' MSL.

Tree 1748' from DER, 937' left of centerline, 93' AGL/1619' MSL.

KILLEEN, TX

SKYLARK FLD (ILE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 15JAN09 (21224) (FAA)

DEPARTURE PROCEDURE:

Rwy 19, climb heading 190° to 1900 before turning east.

TAKEOFF OBSTACLE NOTES:

Rwy 1, multiple poles beginning 317' from DER, 384' left of centerline, up to 27' AGL/868' MSL.

Tree, 973' from DER, 100' left of centerline, 28' AGL/876' MSL.

Building, 486' from DER, 9' right of centerline, 13' AGL/854' MSL.

Antenna, 351' from DER, 277' right of centerline, 11' AGL/852' MSL.

Rwy 19, pole, 288' from DER, 588' right of centerline, 32' AGL/880' MSL.

Building, 102' from DER, 411' right of centerline, 8' AGL/856' MSL.

Vehicle on road, 232' from DER, 499' right of centerline, 15' AGL/867' MSL.

Pole, 256' from DER, 497' left of centerline, 32' AGL/873' MSL.

Building, 276' from DER, 342' left of centerline, 11' AGL/859' MSL.

Building, 298' from DER, 83' left of centerline, 9' AGL/857' MSL.

KINGSVILLE NAS (KNQI)

KINGSVILLE, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 16JUL20 (20198)

TAKEOFF OBSTACLE NOTES:

Rwy 13R, terrain 0' from DER, 500' right of cntrn, 0' AGL/45' MSL.

Rwy 17L, terrain 0' from DER, 500' left of cntrn, 0' AGL/56' MSL.

Terrain 328' from DER, 500' left of cntrn, 0' AGL/59' MSL.

Rwy 17R, tower 559' from DER, 1' left of cntrn, 5' AGL/85' MSL.

Terrain 0' from DER, 500' right of cntrn, 0' AGL/60' MSL.

Terrain 281' from DER, 500' right of cntrn, 0' AGL/60' MSL.

Rwy 31L, terrain 0' from DER, 500' left of cntrn, 0' AGL/52' MSL.

KINGSVILLE, TX

KLEBERG COUNTY (IKG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 528' from DER, 515' right of centerline, up to 35' AGL/154' MSL.

Trees beginning 775' from DER, 554' left of centerline, up to 35' AGL/159' MSL.

Rwy 31, trees beginning 184' from DER, 358' right of centerline, up to 28' AGL/153' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

LAGO VISTA, TX

LAGO VISTA TX/RUSTY ALLEN (RYW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 17AUG17 (22027) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, building 4' from DER, 157' right of centerline, 25' AGL/1225' MSL.
Building and trees beginning 18' from DER, 248' left of centerline, up to 1232' MSL.
Rwy 33, trees beginning 14' from DER, 158' right of centerline, up to 1258' MSL.
Trees beginning 44' from DER, 144' left of centerline, up to 1257' MSL.
Trees beginning 173' from DER, 315' left of centerline, up to 1262' MSL.
Trees beginning 173' from DER, 235' right of centerline, up to 1259' MSL.
Trees beginning 494' from DER, 224' right of centerline, up to 1269' MSL.
Trees beginning 624' from DER, 274' left of centerline, up to 1270' MSL.
Trees beginning 743' from DER, 159' left of centerline, up to 1273' MSL.
Tree 1430' from DER, 122' right of centerline, 1270' MSL.
Tree 1612' from DER, 132' left of centerline, 1274' MSL.

LAKEWAY, TX

LAKEWAY AIRPARK (3R9)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 05MAR15 (15064) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 500-2¾ or std. w/min. climb of 265' per NM to 1500.

DEPARTURE PROCEDURE:

Rwy 16, climb heading 165° to 1700 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees on rising terrain beginning 26' from DER, 161' right of centerline, up to 50' AGL/975' MSL.
Building 38' from DER, 229' right of centerline, 50' AGL/989' MSL.
Tree 194' from DER, 221' left of centerline, 50' AGL/943' MSL.
Building and trees beginning 534' from DER, 165' left of centerline, 40' AGL/941' MSL.
Power lines with catenary markers beginning 776' from DER, crossing centerline, up to 80' AGL/999' MSL.
Tower 2.1 NM from DER, 1314' right of centerline, 195' AGL/1326' MSL.
Rwy 34, trees beginning abeam DER, right of centerline, up to 50' AGL/931' MSL.
Trees and buildings beginning abeam DER, 161' left of centerline, up to 50' AGL/965' MSL.
Trees and buildings on rising terrain beginning 3405' from DER, crossing centerline, up to 50' AGL/1009' MSL.

LAMPASAS, TX

LAMPASAS (LZZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 17DEC09 (09351) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, building 39' from DER, 374' left of centerline, 20' AGL/1189' MSL.
Trees beginning 795' from DER, 217' right of centerline, up to 30' AGL/1189' MSL.
Rwy 34, trees beginning 657' from DER, 147' left of centerline, up to 30' AGL/1249' MSL.

LAREDO, TX

LAREDO INTL (LRD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4B 08NOV18 (18312) (FAA)

DEPARTURE PROCEDURE:

Rwy 14, climb heading 142° to 1000 before turning right.
Rwy 18L, climb heading 163° to 1200 before turning right.
Rwy 18R, climb heading 163° to 1300 before turning right.
Rwy 32, climb heading 322° to 1200 before turning left.
Rwys 36L, 36R, climb heading 358° to 1000 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 14, trees beginning 135' from DER, 298' left of centerline, up to 59' AGL/519' MSL.
Sign 226' from DER, 244' left of centerline, 14' AGL/474' MSL.
Rwy 18L, terrain beginning 48' from DER, 333' right of centerline, up to 478' MSL.
Rwy 18R, terrain beginning 4' from DER, 219' right of centerline, up to 489' MSL.
Light poles beginning 894' from DER, 344' right of centerline, up to 41' AGL/511' MSL.
Rwy 32, aircraft on taxiway beginning 50' from DER, 367' left of centerline, up to 75' AGL/584' MSL.
Trees beginning 768' from DER, 584' left of centerline, up to 59' AGL/559' MSL.
Trees beginning 88' from DER, 275' right of centerline, up to 59' AGL/559' MSL.
Rwy 36L, MALSR 5' from DER, on centerline, 5' AGL/505' MSL.
NAVAID 10' from DER, on centerline, 5' AGL/505' MSL.
Antenna on building 81' from DER, 404' left of centerline, 30' AGL/520' MSL.
Rwy 36R, terrain beginning 19' from DER, 191' left of centerline, up to 500' MSL.
Terrain beginning 176' from DER, 489' right of centerline, up to 512' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

SC-3



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

LAUGHLIN AFB (KDLF)

DEL RIO, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 20APR23 (23110) (USAF)

TAKEOFF OBSTACLE NOTES:

Rwy 13C, taxiing aircraft 196' from DER, 220' right of centerline, 14' AGL/1079' MSL.**Rwy 13L**, taxiing aircraft 9' from DER, 204' right of centerline, 14' AGL/1076' MSL.**Rwy 13R**, taxiing aircraft 1159' from DER, 175' left of centerline, 38' AGL/1108' MSL.

Taxiing aircraft 36' from DER, 181' left of centerline, 14' AGL/1090' MSL.

Taxiing aircraft 65' from DER, 301' left of centerline, 14' AGL/1090' MSL.

Taxiing aircraft 524' from DER, 605' right of centerline, 14' AGL/1093' MSL.

Rwy 31C, vehicular traffic 16' from DER, 466' right of centerline, 10' AGL/1092' MSL.**Rwy 31L**, terrain 187' from DER, 550' right of centerline, 1082' MSL.

Taxiing aircraft 101' from DER, 196' right of centerline, 14' AGL/1091' MSL.

Taxiing aircraft 248' from DER, 329' right of centerline, 14' AGL/1094' MSL.

Rwy 31R, taxiing aircraft 5' from DER, 174' left of centerline, 14' AGL/1090' MSL.

Terrain 114' from DER, 522' right of centerline, 1085' MSL.

Terrain 118' from DER, 427' right of centerline, 1082' MSL.

Terrain 149' from DER, 535' right of centerline, 1085' MSL.

Terrain 170' from DER, 537' right of centerline, 1085' MSL.

Terrain 171' from DER, 515' right of centerline, 1083' MSL.

Terrain 172' from DER, 492' right of centerline, 1082' MSL.

Terrain 189' from DER, 544' right of centerline, 1085' MSL.

Terrain 228' from DER, 544' right of centerline, 1085' MSL.

Terrain 267' from DER, 532' right of centerline, 1085' MSL.

Terrain 72' from DER, 450' right of centerline, 1085' MSL.

Terrain 84' from DER, 491' right of centerline, 1085' MSL.

Terrain 96' from DER, 438' right of centerline, 1083' MSL.

Wind sock 18' from DER, 495' left of centerline, 26' AGL/1101' MSL.

LLANO, TX

LLANO MUNI (AQO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 17DEC09 (09351) (FAA)

TAKEOFF MINIMUMS:

Rwys 13, 31, NA-Environmental.

DEPARTURE PROCEDURE:

Rwy 35, climb heading 354° to 1900 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 17, tree 11' from DER, 364' left of centerline, 25' AGL/1144' MSL.

Trees 811' from DER, 242' left of centerline, 25' AGL/1124' MSL.

Rwy 35, hangar 209' from DER, 497' right of centerline, 30' AGL/1149' MSL.

Tree 485' from DER, 265' right of centerline, 25' AGL/1144' MSL.

Vehicles on North-South road, 270' left of centerline, 15' AGL/1114' MSL.

Vehicles on road 390' from DER, crosses centerline East-West, 15' AGL/1134' MSL.

LOCKHART, TX

LOCKHART MUNI (50R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 25AUG11 (11237) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 400-3 or std. w/min. climb of 275' per NM to 1200.

DEPARTURE PROCEDURE:

Rwy 36, climb heading 355° to 1200 before turning.

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 47' from DER, 267' left of centerline, up to 65' AGL/555' MSL.

Trees beginning 245' from DER, 13' right of centerline, up to 42' AGL/541' MSL.

Rwy 36, bush 51' from DER, 305' right of centerline, 8' AGL/568' MSL.

Pole 1298' from DER, 561' right of centerline, 38' AGL/568' MSL.

Tower 2.2 NM from DER, 2536' right of centerline, 378' AGL/918' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

MARFA, TX

MARFA MUNI (MRF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 25FEB21 (21056) (FAA)

TAKEOFF MINIMUMS:

Rwys 9, 27, NA - Environmental.

CAUTION: Unmarked balloon and cable to 14000' MSL in R-6318.

DEPARTURE PROCEDURE:

Rwy 4, climbing right turn direct MRF VOR/DME thence...**Rwy 13**, climb direct MRF VOR/DME thence...**Rwys 22, 31**, climbing left turn direct MRF VOR/DME thence...

...all aircraft climb in MRF holding pattern (southeast, left turn, 313° inbound) to cross MRF VOR/DME at or above MEA for direction of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 4, vehicle on road, tree beginning 18' from DER, 319' left of centerline, up to 15' AGL/4863' MSL.

Tree 76' from DER, 504' right of centerline, 4852' MSL.

Vehicle on road, tree beginning 121' from DER, 48' left of centerline, up to 15' AGL/4864' MSL.

Vehicle on road 462' from DER, 270' left of centerline, 4866' MSL.

Vehicle on road 469' from DER, 613' right of centerline, 4863' MSL.

Vehicle on road beginning 558' from DER, 197' left of centerline, up to 4869' MSL.

Vehicle on road 709' from DER, 417' left of centerline, 4870' MSL.

Vehicle on road 744' from DER, 583' right of centerline, 4868' MSL.

Rwy 13, vehicle on road 29' from DER, 413' right of centerline, 4846' MSL.

Vehicle on road 175' from DER, 429' right of centerline, 15' AGL/4848' MSL.

Vehicle on road 513' from DER, 564' left of centerline, 4846' MSL.

Pole 1041' from DER, 572' right of centerline, 4858' MSL.

Rwy 22, vehicle on road beginning 5' from DER, 281' left of centerline, up to 15' AGL/4840' MSL.

Tree 152' from DER, 419' right of centerline, 4833' MSL.

Tank, vehicle on road beginning 340' from DER, 272' left of centerline, up to 4846' MSL.

Rwy 31, building 31' from DER, 249' right of centerline, 5' AGL/4843' MSL.

MASON, TX

MASON COUNTY (T92)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 17AUG17 (17229) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-1 or std. w/ min. climb of 440' per NM to 1800.

DEPARTURE PROCEDURE:

Rwy 18, climb heading 176° to 2100' before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 469' from DER, 87' left of centerline, up to 35' AGL/1555' MSL.**Rwy 36**, trees beginning 379' from DER, left and right of centerline, up to 35' AGL/1538' MSL.

T-L tower 3061' from DER, 1185' left of centerline, 95' AGL/1628' MSL.

T-L towers beginning 3625' from DER, 193' left of centerline, up to 85' AGL/1641' MSL.

T-L towers beginning 4435' from DER, 303' right of centerline, up to 90' AGL/1667' MSL.

MC ALLEN, TX

MC ALLEN INTL (MFE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 10DEC15 (23054) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-1½, or std. w/min. climb of 296' per NM to 500'.

TAKEOFF OBSTACLE NOTES:

Rwy 14, trees beginning 792' from DER, 593' left of centerline, up to 44' AGL/139' MSL.**Rwy 32**, trees and poles beginning 709' from DER, 362' left of centerline, up to 52' AGL/157' MSL.

Tree 1019' from DER, 627' right of centerline, 42' AGL/142' MSL.

Rwy 36, pole 581' from DER, on centerline, 19' AGL/122' MSL.

Tower 198' from DER, 335' left of centerline, 38' AGL/140' MSL.

Buildings and trees beginning 652' from DER, 36' left of centerline, up to 50' AGL/155' MSL.

Towers, poles and buildings beginning 635' from DER, 25' right of centerline, up to 62' AGL/166' MSL.

Buildings 2016' from DER, 860' right of centerline, 89' AGL/197' MSL.

Buildings 1.29 NM from DER, 243' right of centerline, 263' AGL/394' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

MIDLAND, TX

MIDLAND AIRPARK (MDD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 16AUG18 (18228) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 400-2½ or std. w/min. climb of 220' per NM to 3300.**Rwy 25**, 300-1½ or std. w/min. climb of 230' per NM to 3100, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1700' prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 7, vehicles on road and tree beginning 87' from DER, 360' left of centerline, up to 2803' MSL.

Vegetation 218' from DER, 441' right of centerline, 2797' MSL.

Poles beginning 316' from DER, 443' left of centerline, up to 50' AGL/2840' MSL.

Poles beginning 1601' from DER, 252' left of centerline, up to 52' AGL/2843' MSL.

Pole 1868' from DER, 377' left of centerline, 52' AGL/2849' MSL.

Pole 2136' from DER, 343' left of centerline, 52' AGL/2855' MSL.

Pole 2403' from DER, 309' left of centerline, 52' AGL/2859' MSL.

Poles beginning 2888' from DER, 256' left of centerline, up to 52' AGL/2861' MSL.

Rwy 16, vegetation 37' from DER, 490' right of centerline, 2803' MSL.

Pole 196' from DER, 498' right of centerline, 33' AGL/2827' MSL.

Pole 318' from DER, 449' right of centerline, 34' AGL/2828' MSL.

Poles and trees beginning 613' from DER, 296' right of centerline, up to 42' AGL/2834' MSL.

Pole 826' from DER, 454' left of centerline, 32' AGL/2822' MSL.

Tree 856' from DER, 227' left of centerline, 2829' MSL.

Trees beginning 1098' from DER, 291' right of centerline, up to 2842' MSL.

Poles beginning 1269' from DER, 664' left of centerline, up to 51' AGL/2839' MSL.

Tower 2 NM from DER, 3181' left of centerline, 354' AGL/3136' MSL.

Building 2 NM from DER, 3680' left of centerline, 354' AGL/3135' MSL.

Rwy 25, pole 104' from DER, 519' right of centerline, 67' AGL/2870' MSL.

Poles beginning 373' from DER, 316' right of centerline, up to 69' AGL/2873' MSL.

Tree and sign beginning 642' from DER, 205' left of centerline, up to 2840' MSL.

Poles, lighting, and tree beginning 644' from DER, 12' right of centerline, up to 71' AGL/2876' MSL.

Tree, pole, and lighting beginning 681' from DER, 76' left of centerline, up to 2842' MSL.

Building and trees beginning 866' from DER, 38' left of centerline, up to 40' AGL/2851' MSL.

Tower 5309' from DER, 1326' right of centerline, 137' AGL/2956' MSL.

Rwy 34, vehicles on road 572' from DER, 423' left of centerline, 2816' MSL.

Pole and trees beginning 635' from DER, 329' right of centerline, up to 51' AGL/2843' MSL.

Tree 838' from DER, 484' left of centerline, 2825' MSL.

Trees beginning 1216' from DER, 328' right of centerline, up to 2850' MSL.

MIDLAND INTL AIR AND SPACE PORT (MAF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 22JUN17 (17173) (FAA)

TAKEOFF MINIMUMS:

Rwy 34L, 300-1½ or std. w/min. climb of 400' per NM to 3200.**Rwy 34R**, 300-1½ or std. w/min. climb of 320' per NM to 3200.

TAKEOFF OBSTACLE NOTES:

Rwy 4, trees beginning 24' from DER, 34' right of centerline, up to 40' AGL/2903' MSL.

Rods, towers and domes beginning 1231' from DER, 442' left of centerline, up to 108' AGL/2963' MSL.

Rwy 10, rods, antennas, and lights beginning 72' from DER, 40' right of centerline, up to 20' AGL/2874' MSL.

Trees, poles, and signs beginning 1296' from DER, 457' left of centerline, up to 40' AGL/2913' MSL.

Rwy 16L, signs and poles beginning 94' from DER, 20' left of centerline, up to 30' AGL/2877' MSL.

Railroad beginning 530' from DER, 17' left of centerline, 23' AGL/2869' MSL.

Vehicles on road beginning 301' from DER, 268' left of centerline, 17' AGL/2862' MSL.

Rwy 16R, pole 1794' from DER, 975' right of centerline, 55' AGL/2906' MSL.**Rwy 22**, tower, poles, lights, and antenna beginning 111' from DER, 66' right of centerline, up to 102' AGL/2986' MSL.

Hangars 1112' from DER, 600' right of centerline, 55' AGL/2906' MSL.

Tower, poles, and sign beginning 83' from DER, 62' left of centerline, up to 120' AGL/2971' MSL.

Rwy 34L, drilling rigs beginning 201' from DER, 178' right of centerline, up to 165' AGL/3037' MSL.

Drilling rigs beginning 3228' from DER, 769' left of centerline, 165' AGL/3056' MSL.

Rwy 34R, vehicles on road beginning 256' from DER, 10' right of centerline, up to 17' AGL/2881' MSL.

Trees and bushes beginning 171' from DER, 80' right of centerline, up to 40' AGL/2878' MSL.

Poles and fence beginning 28' from DER, 109' right of centerline, up to 38' AGL/2903' MSL.

Fence beginning 83' from DER, 271' left of centerline, 8' AGL/2872' MSL.

Windmill, poles and trees beginning 1239' from DER, 116' left of centerline, up to 66' AGL/2913' MSL.

Drilling rig 5540' from DER, 267' left of centerline, 165' AGL/3025' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

MONAHANS, TX

ROY HURD MEML (E01)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 31MAY12 (21224) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, 400-1½ or std. w/min. climb of 434' per NM to 3100.**Rwy 12**, 300-1 or std. w/min. climb of 552' per NM to 2900.

TAKEOFF OBSTACLE NOTES:

Rwy 1, vehicles on road, trees, and power line and poles beginning 185' from DER, left and right of centerline, up to 40' AGL/2649' MSL.

Tower 1.2 NM from DER, 211' right of centerline, 303' AGL/2928' MSL.

Rwy 12, bush 75' from DER, 479' left of centerline, 12' AGL/2617' MSL.

Trees and a pole beginning 778' from DER, 23' right of centerline, up to 31' AGL/2641' MSL.

Trees beginning 1041' from DER, 29' left of centerline, up to 42' AGL/2652' MSL.

Tower 2283' from DER, 909' left of centerline, 130' AGL/2744' MSL.

Rwy 19, vehicle on road 215' from DER, 457' right of centerline, 15' AGL/2624' MSL.**Rwy 30**, fence, railroad, poles, and trees beginning 56' from DER, 106' right of centerline, up to 44' AGL/2649' MSL.

Vehicle on road, light pole, building, and poles beginning 294' from DER, 41' left of centerline, up to 50' AGL/2655' MSL.

NEW BRAUNFELS, TX

NEW BRAUNFELS NTL (BAZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 25JUN15 (21336) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, poles beginning 1236' from DER, 277' right of centerline, up to 40' AGL/678' MSL.

Poles beginning 1238' from DER, 557' left of centerline, up to 41' AGL/677' MSL.

Trees beginning 1339' from DER, 211' right of centerline, up to 55' AGL/690' MSL.

Rwy 35, airport visual aid 56' from DER, 25' right of centerline, 3' AGL/649' MSL.

ODESSA, TX

ODESSA-SCHLEMEYER FLD (ODO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 13SEP18 (21308) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 300-2 or std. w/min. climb of 255' per NM to 3400, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient. Takeoff must occur no later than 1300 feet prior to DER.**Rwy 20**, 300-2½ or std. w/min. climb of 225' per NM to 3400, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient. Takeoff must occur no later than 2100' prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 2, vehicles on roadway 184' from DER, left and right of centerline, up to 13' AGL/3013' MSL.**Rwy 16**, tower 1.5 NM from DER, 2759' right of centerline, 145' AGL/3205' MSL.**Rwy 20**, tower 2.0 NM from DER, 1311' left of centerline, 340' AGL/3287' MSL.**Rwy 29**, rising terrain, trees and poles beginning 8' from DER, 495' right of centerline, up 3012' MSL.**Rwy 34**, vehicles on roadway beginning 48' from DER, left and right of centerline, up to 16' AGL/3001' MSL.

Hangars 739' from DER, 628' left of centerline, 25' AGL/3012' MSL.

Antenna 1104' from DER, 185' right of centerline, 45' AGL/3032' MSL.

ORANGE GROVE NALF (KNOG)

ORANGE GROVE, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09SEP21 (21252) (USN)

TAKEOFF OBSTACLE NOTES:

Rwy 31, terrain 0' from DER, 500' right of cntrln, 259' MSL.

OZONA, TX

OZONA MUNI (OZA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10JUL03 (03191) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 300-1 or std. with a min. climb of 445' per NM to 2700.**Rwy 34**, 200-1½ or std. with a min. climb of 380' per NM to 2600.

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees 3686' from DER, 354' left of centerline, 100' AGL/2560' MSL.

Trees 4436' from DER, 355' left of centerline, 100' AGL/2574' MSL.

Rwy 34, trees 1363' from DER, 638' left of centerline, 100' AGL/2529' MSL.

Trees 3479' from DER, 791' left of centerline, 100' AGL/2535' MSL.

Trees 7679' from DER, 932' left of centerline, 100' AGL/2593' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

PEARSALL, TX

MC KINLEY FLD (T30)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 17NOV11 (22111) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning abeam DER, 300' left of centerline, up to 40' AGL/605' MSL.

Transmission lines beginning 1777' from DER, across centerline, up to 80' AGL/642' MSL.

Rwy 31, train on track 496' from DER, across centerline, 23' AGL/610' MSL.

Vehicle on road 291' from DER, across centerline, 15' AGL/602' MSL.

PECOS, TX

PECOS MUNI (PEQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20SEP12 (12264) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 14, bush 170' from DER, 252' right of centerline, up to 7' AGL/2607' MSL.**Rwy 32**, bush 129' from DER, 348' left of centerline, up to 9' AGL/2614' MSL.

PLEASANTON, TX

PLEASANTON MUNI (PEZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 20NOV08 (08325) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, vehicle on road 108' from DER, 285' left of centerline, 15' AGL/424' MSL.

Fence 135' from DER, 194' left of centerline, 3' AGL/412' MSL.

Fence 235' from DER, 38' right of centerline, 3' AGL/412' MSL.

Trees beginning 246' from DER, 56' left of centerline, up to 100' AGL/529' MSL.

Trees beginning 173' from DER, 154' right of centerline, up to 100' AGL/529' MSL.

Rwy 34, vehicle on road 136' from DER, left to right of centerline, up to 15' AGL/444' MSL.

Fence 191' from DER, 251' left of centerline, 3' AGL/442' MSL.

Trees beginning 210' from DER, 51' left of centerline, up to 100' AGL/539' MSL.

Tree 172' from DER, 74' right of centerline, 100' AGL/529' MSL.

PORT ARANSAS, TX

MUSTANG BEACH (RAS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 15JAN09 (09015) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 12, transmission towers and poles beginning 43' from DER, 28' right of centerline, up to 81' AGL/86' MSL. Building

2435' from DER, 967' right of centerline, 130' AGL/135' MSL.

Transmission towers and poles beginning 1141' from DER, 13' left of centerline, up to 83' AGL/88' MSL.

Rwy 30, boat 1657' from DER, 915' left of centerline, 50' AGL/50' MSL.

PORT ISABEL, TX

PORT ISABEL-CAMERON COUNTY (PIL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2B 19JUL18 (18200) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, std. w/min. climb of 243' per NM to 700 or 900-3 for VCOA.**Rwy 21**, 600-3 w/min. climb of 231' per NM to 700 or std. w/min. climb of 312' per NM to 700 or 900-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 13, climb on heading 130° to 500 before turning right.**Rwy 17**, climb on heading 175° to 600 before turning right.

VCOA:

Rwy 17, obtain ATC approval for VCOA when requesting IFR clearance: climb in visual conditions to cross Port Isabel-Cameron County airport at or above 800 before proceeding on course.**Rwy 21**, obtain ATC approval for VCOA when requesting IFR clearance: climb in visual conditions to cross Port Isabel-Cameron County airport at or above 800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, trees beginning 15' from DER, 5' right of centerline, up to 100' AGL/117' MSL.

Trees beginning 200' from DER, 25' left of centerline, up to 100' AGL/117' MSL.

Rwy 8, trees beginning 141' from DER, 109' right of centerline, up to 100' AGL/117' MSL.

Trees beginning 142' from DER, 183' left of centerline, up to 100' AGL/117' MSL.

Rwy 13, trees beginning 6' from DER, 6' left of centerline, up to 100' AGL/117' MSL.

Trees beginning 26' from DER, 15' right of centerline, up to 100' AGL/117' MSL.

Rwy 17, trees beginning 183' from DER, 84' right of centerline, up to 100' AGL/117' MSL.

Trees beginning 185' from DER, 178' left of centerline, up to 100' AGL/117' MSL.

CONT

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

PORT ISABEL, TX (CON'T)

PORT ISABEL-CAMERON COUNTY (PIL) (CON'T)

Rwy 21, trees beginning 90' from DER, 19' left of centerline, up to 100' AGL/117' MSL.

Trees beginning 246' from DER, 0' of centerline, up to 100' AGL/117' MSL.

Windmill 2.1 NM from DER, 2541' left of centerline, 492' AGL/512' MSL.

Windmill 2.2 NM from DER, 1999' left of centerline, 492' AGL/514' MSL.

Windmill 2.4 NM from DER, 1377' left of centerline, 499' AGL/522' MSL.

Rwy 26, trees beginning 6' from DER, 208' right of centerline, up to 100' AGL/117' MSL.

Trees beginning 7' from DER, 83' left of centerline, up to 100' AGL/117' MSL.

Rwy 35, trees beginning 158' from DER, 202' right of centerline, up to 100' AGL/114' MSL.

Trees beginning 765' from DER, 63' left of centerline, up to 100' AGL/114' MSL.

Trees beginning 3191' from DER, 61' left of centerline, up to 100' AGL/117' MSL.

PRESIDIO, TX

PRESIDIO LELY INTL (PRS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 03APR14 (14093) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, std. w/min. climb of 230' per NM to 5600, or 1900-3 for climb in visual conditions.

Rwy 35, std. w/min. climb of 280' per NM to 5700, or 1900-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 17, climbing left turn to 9000 on heading 045° and MRF VOR/DME R-185 to MRF VOR/DME, or for climb in visual conditions, cross Presidio Lely Intl airport at or above 4700, then climb to 9000 on heading 021° and MRF VOR/DME R-197 to MRF VOR/DME. When executing VCOA, notify ATC prior to departure.

Rwy 35, climbing right turn to 9000 on heading 065° and MRF VOR/DME R-190 to MRF VOR/DME, or for climb in visual conditions, cross Presidio Lely Intl airport at or above 4700, then climb to 9000 on heading 021° and MRF VOR/DME R-197 to MRF VOR/DME. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:

Rwy 17, brush abeam DER, left and right of centerline, up to 10' AGL/2929' MSL.

Power line 990' from DER, 762' left of centerline, 86' AGL/3005' MSL.

Vehicles on road, 990' from DER, 762' left of centerline, 17' AGL/2936' MSL.

Rwy 35, brush abeam DER, left and right of centerline, up to 10' AGL/3089' MSL.

Powerlines beginning 2978' from DER, 749' right of centerline, up to 86' AGL/3205' MSL.

Vehicles on road, 2978' from DER, 1291' right of centerline, up to 17' AGL/3016' MSL.

ROBSTOWN, TX

NUECES COUNTY (RBO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMD T 1A 30JAN20 (20030) (FAA)

TAKEOFF MINIMUMS:

Rwy 13, std. w/min. climb of 267' per NM to 1400 or 1400-2½ for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 13, climb heading 129° to 1400 before turning eastbound or northbound. For climb in visual conditions, cross Nueces County airport at or above 1300' MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.

Rwy 31, climb heading 309° to 700 before turning southeast bound.

TAKEOFF OBSTACLE NOTES:

Rwy 13, tower 4.8 NM from DER, 5070' right of centerline, 989' AGL/1049' MSL.

Poles beginning 1005' from DER, 347' right of centerline, up to 42' AGL/116' MSL.

Poles, vehicles on road, post, transmission tower and grain bin/silo beginning at DER, 69' left of centerline, up to 62' AGL/136' MSL.

Rwy 31, vehicles on road and pole beginning 2' from DER, 250' right of centerline, 15' AGL/93' MSL.

ROCKPORT, TX

ARANSAS COUNTY (RKP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15MAR07 (07074) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 14, road plus vehicle 500' from DER, 593' left of centerline, 17' AGL/40' MSL.

Rwy 18, antenna 5599' from DER, 602' left of centerline, 160' AGL/171' MSL.

Rwy 32, road plus vehicle 291' from DER, 533' left of centerline, 17' AGL/40' MSL.

Rwy 36, road plus vehicle 576' from DER, 597' left of centerline, 17' AGL/40' MSL.

ROCKSPRINGS, TX

EDWARDS COUNTY (ECU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 28SEP06 (06271) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 14, multiple trees beginning 1076' from DER, 22' right of centerline, up to 100' AGL/2459' MSL.

Rwy 32, fence 101' from DER, 35' left of centerline, 5' AGL/2374' MSL.

Multiple trees beginning 318' from DER, 71' left of centerline, up to 100' AGL/2479' MSL.

Multiple trees beginning 992' from DER, 532' right of centerline, up to 100' AGL/2479' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

SAN ANGELO, TX

SAN ANGELO RGNL/MATHIS FLD (SJT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 26AUG10 (21112) (FAA)

DEPARTURE PROCEDURE:

Rwy 27, climb to 2500 before turning right.

Rwy 36, climb to 2600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 3, fence 8' from DER, 490' right of centerline, 3' AGL/1896' MSL.

Rwy 18, multiple trees and poles beginning 112' from DER, 183' left of centerline, up to 43' AGL/1962' MSL.

Multiple trees and poles beginning 1076' from DER, 114' right of centerline, up to 47' AGL/1966' MSL.

Catenary 1779' from DER, 457' right of centerline, 45' AGL/1964' MSL.

Rwy 27, multiple trees beginning 482' from DER, 74' left of centerline, up to 24' AGL/1933' MSL.

Light pole 1040' from DER, 252' left of centerline, 22' AGL/1931' MSL.

Tree 538' from DER, 226' right of centerline, 21' AGL/1930' MSL.

SAN ANTONIO, TX

BOERNE STAGE AIRFIELD (5C1)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 18JAN07 (23166) (FAA)

DEPARTURE PROCEDURE:

Rwy 17, climb heading 169° to 2000 before turning westbound.

Rwy 35, climb heading 349° to 2800 before turning westbound.

TAKEOFF OBSTACLE NOTES:

Rwy 17, tree, pole beginning 20' from DER, 34' left of centerline, up to 1446' MSL.

Tree, pole beginning 47' from DER, 12' right of centerline, up to 1410' MSL.

Pole, tree beginning 788' from DER, 526' left of centerline, up to 1448' MSL.

Trees beginning 1005' from DER, 566' left of centerline, up to 1451' MSL.

Tree 2244' from DER, 986' right of centerline, 1450' MSL.

Tree 2327' from DER, 1069' right of centerline, 1455' MSL.

Tree 2464' from DER, 1005' left of centerline, 1452' MSL.

Tree 2465' from DER, 1093' right of centerline, 1457' MSL.

Tree 2531' from DER, 1082' left of centerline, 1454' MSL.

Trees beginning 2569' from DER, 980' right of centerline, up to 1471' MSL.

Trees beginning 2659' from DER, 1037' right of centerline, up to 1476' MSL.

Rwy 35, building beginning 3' from DER, 221' right of centerline, up to 1400' MSL.

Trees beginning 79' from DER, 175' right of centerline, up to 1412' MSL.

Tree, pole beginning 103' from DER, 8' left of centerline, up to 1416' MSL.

Trees beginning 163' from DER, 23' right of centerline, up to 1431' MSL.

Pole, tree beginning 207' from DER, 37' left of centerline, up to 1418' MSL.

Pole, tree beginning 246' from DER, 103' left of centerline, up to 1422' MSL.

Trees beginning 437' from DER, 573' left of centerline, up to 1426' MSL.

Trees beginning 584' from DER, 78' left of centerline, up to 1428' MSL.

Trees beginning 778' from DER, 371' left of centerline, up to 1430' MSL.

SAN ANTONIO INTL (SAT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 02MAR17 (17061) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13R, antenna on rtr tower, 1034' from DER, 723' right of centerline, 42' AGL/820' MSL.

Building 3801' from DER, 1488' right of centerline, 117' AGL/881' MSL.

Rwy 22, antenna on hangar and flagpole 1198' from DER, 700' right of centerline, 39' AGL/825' MSL.

Poles beginning 2209' from DER, 1041' right of centerline, up to 23' AGL/869' MSL.

Sign 2713' from DER, 1034' right of centerline, 71' AGL/857' MSL.

Rwy 31L, pole 1931' from DER, 911' left of centerline, 42' AGL/867' MSL.

Poles beginning 2356' from DER, 913' left of centerline, up to 42' AGL/892' MSL.

Sign 2435' from DER, 1032' right of centerline, 42' AGL/873' MSL.

Tower 2766' from DER, 834' left of centerline, 54' AGL/891' MSL.

Rwy 31R, rod on ol gs 1261' from DER, 591' left of centerline, 57' AGL/854' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

SC-3



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

SAN ANTONIO, TX (CON'T)

STINSON MUNI (SSF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMD 2 14FEB08 (08045) (FAA)

TAKEOFF MINIMUMS:

Rwy 9, std. w/min. climb of 225' per NM to 1900 or 1000-2½ for climb in visual conditions.

Rwy 27, 300-1¼ or std. w/min. climb of 221' per NM to 900, or alternatively, with std. takeoff minimums and normal 200' per NM climb gradient, takeoff must occur no later than 1700' prior to DER.

DEPARTURE PROCEDURE:

Rwy 9, for climb in visual conditions, cross Stinson Muni airport at or above 1400 MSL before proceeding on course.

Rwy 14, climb heading 137° to 1200 before turning left.

Rwy 32, climb heading 317° to 1500 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 9, vehicle on road 285' from DER, 380' left of centerline, 15' AGL/584' MSL.

Trees beginning 1653' from DER, 435' right of centerline, up to 70' AGL/629' MSL.

Rwy 14, vehicle on road 114' from DER, on centerline extending 373' left of centerline, up to 15' AGL/564' MSL.

Trees beginning 72' from DER, 79' right of centerline, up to 70' AGL/607' MSL.

Trees beginning 232' from DER, 54' left of centerline, up to 70' AGL/618' MSL.

Transmission line tower 4205' from DER, 133' right of centerline, 119' AGL/663' MSL.

Rwy 27, fence 41' from DER, 30' right of centerline, 8' AGL/584' MSL.

Vehicle on road 108' from DER, 202' right of centerline, 15' AGL/584' MSL.

Vehicle on road 123' from DER, 113' right of centerline, 15' AGL/596' MSL.

Trees and poles beginning 229' from DER, 117' right of centerline, up to 70' AGL/645' MSL.

Trees and poles beginning 599' from DER, 6' left of centerline, up to 70' AGL/634' MSL.

Tank beginning 1.32 NM from DER, 1338' right of centerline, 179' AGL/799' MSL.

Building 1422' from DER, 432' right of centerline, 40' AGL/627' MSL.

Building 2133' from DER, 36' left of centerline, 55' AGL/635' MSL.

Rwy 32, fence 17' from DER, 80' left of centerline, 8' AGL/578' MSL.

Vehicle on road 54' from DER, 199' left of centerline, 15' AGL/586' MSL.

Trees beginning 164' from DER, 125' right of centerline, up to 70' AGL/639' MSL.

Trees and poles beginning 43' from DER, 41' left of centerline, up to 75' AGL/668' MSL.

SAN SABA, TX

SAN SABA COUNTY MUNI (81R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30NOV23 (23334) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, vegetation beginning 14' from DER, 182' left of centerline, up to 1244' MSL.

Vehicle on road, fences beginning 17' from DER, 271' right of centerline, up to 1256' MSL.

Vegetation beginning 103' from DER, 203' left of centerline, up to 4' AGL/1246' MSL.

Poles, vehicle on road, tree beginning 215' from DER, 268' right of centerline, up to 29' AGL/1268' MSL.

Vehicle on road beginning 462' from DER, 65' left of centerline, up to 1257' MSL.

Tree 522' from DER, 382' left of centerline, 1265' MSL.

Rwy 31, vegetation 5' from DER, 196' left of centerline, 3' AGL/1259' MSL.

Vegetation beginning 6' from DER, 172' right of centerline, up to 1262' MSL.

Trees, vegetation, terrain, fence beginning 7' from DER, 129' left of centerline, up to 26' AGL/1286' MSL.

Vegetation beginning 54' from DER, 152' right of centerline, up to 4' AGL/1264' MSL.

Vegetation beginning 95' from DER, 159' right of centerline, up to 1267' MSL.

Vehicle on road 365' from DER, 586' right of centerline, 1276' MSL.

Tree 464' from DER, 455' right of centerline, 1285' MSL.

Trees, vehicle on road beginning 574' from DER, 121' right of centerline, up to 1290' MSL.

SINTON, TX

ALFRED C. BUBBA THOMAS (T69)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 13NOV14 (14317) (FAA)

TAKEOFF MINIMUMS:

Rwys 3, 21, NA-Environmental.

DEPARTURE PROCEDURE:

Rwy 14, climb runway heading to 800 prior to turning east.

TAKEOFF OBSTACLE NOTES:

Rwy 32, vehicle on road 29' from DER, 308' right of centerline, 15' AGL/64' MSL.



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

SC-3



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

SMITHVILLE, TX

SMITHVILLE CRAWFORD MUNI (84R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15JUN23 (23166) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, 300-1¼ or std. w/min. climb of 300' per NM to 600, or 1000-3 for VCOA.

Rwy 35, 300-1¼ or std. w/min. climb of 330' per NM to 600.

DEPARTURE PROCEDURE:

Rwy 17, climb on heading 169° to 800 before turning right.

VCOA:

Rwy 17, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Smithville Crawford Muni airport at or above 1200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 17, tree 108' from DER, 293' right of centerline, 340' MSL.

Tree 113' from DER, 297' left of centerline, 340' MSL.

Trees beginning 197' from DER, 296' right of centerline, up to 31' AGL/342' MSL.

Trees beginning 302' from DER, 294' left of centerline, up to 341' MSL.

Tree 334' from DER, 297' right of centerline, 344' MSL.

Tree 648' from DER, 160' left of centerline, 343' MSL.

Trees beginning 682' from DER, 7' left of centerline, up to 28' AGL/346' MSL.

Tree 778' from DER, 131' left of centerline, 30' AGL/348' MSL.

Tree 836' from DER, 128' left of centerline, 32' AGL/349' MSL.

Tree 858' from DER, 119' left of centerline, 34' AGL/351' MSL.

Tree 866' from DER, 106' right of centerline, 31' AGL/348' MSL.

Tree 910' from DER, 120' left of centerline, 38' AGL/355' MSL.

Tree 1040' from DER, 490' right of centerline, 366' MSL.

Tree 1136' from DER, 251' left of centerline, 40' AGL/358' MSL.

Tree, poles beginning 1172' from DER, 583' left of centerline, up to 363' MSL.

Poles, catenary wires beginning 1357' from DER, 10' left of centerline, up to 388' MSL.

Catenary wires 1390' from DER, 84' right of centerline, 50' AGL/367' MSL.

Tower, catenary wires beginning 1393' from DER, 35' right of centerline, up to 52' AGL/369' MSL.

Catenary wires 1396' from DER, 466' right of centerline, 374' MSL.

Transmission line 1396' from DER, 185' right of centerline, 65' AGL/383' MSL.

Tower, pole, catenary wires, electrical system, trees beginning 1406' from DER, 323' right of centerline, up to 384' MSL.

Tank 4154' from DER, 773' left of centerline, 152' AGL/474' MSL.

Water tower 4157' from DER, 771' left of centerline, 156' AGL/477' MSL.

Tank 5314' from DER, 76' left of centerline, 165' AGL/488' MSL.

Water tower 5322' from DER, 72' left of centerline, 166' AGL/489' MSL.

Rwy 35, fence 104' from DER, 294' left of centerline, 6' AGL/327' MSL.

Sign, trees, vehicle on road beginning 297' from DER, 357' right of centerline, up to 34' AGL/360' MSL.

Tree 311' from DER, 472' left of centerline, 332' MSL.

Trees beginning 522' from DER, 53' left of centerline, up to 340' MSL.

Trees, pole beginning 903' from DER, 65' left of centerline, up to 362' MSL.

Trees, poles, building beginning 1075' from DER, 322' right of centerline, up to 384' MSL.

Trees beginning 1270' from DER, 14' left of centerline, up to 40' AGL/366' MSL.

Trees, building, pole beginning 1296' from DER, 16' right of centerline, up to 408' MSL.

Trees, sign, pole beginning 1319' from DER, 6' left of centerline, up to 52' AGL/379' MSL.

Trees, pole beginning 1409' from DER, 168' right of centerline, up to 412' MSL.

Trees, terrain, poles beginning 1489' from DER, 124' right of centerline, up to 420' MSL.

Trees, fence, terrain, building beginning 1560' from DER, 2' right of centerline, up to 426' MSL.

Trees beginning 1666' from DER, 4' left of centerline, up to 52' AGL/385' MSL.

Trees, terrain, fence beginning 1828' from DER, 1' right of centerline, up to 434' MSL.

Trees beginning 1884' from DER, 71' left of centerline, up to 387' MSL.

Trees beginning 1910' from DER, 8' left of centerline, up to 56' AGL/392' MSL.

Tree 2113' from DER, 7' left of centerline, 34' AGL/395' MSL.

Trees, building, terrain, fence beginning 2151' from DER, 23' right of centerline, up to 56' AGL/449' MSL.

Trees, pole beginning 2161' from DER, 47' left of centerline, up to 34' AGL/401' MSL.

Trees, terrain, building beginning 2249' from DER, 16' left of centerline, up to 29' AGL/413' MSL.

Trees beginning 2350' from DER, 27' left of centerline, up to 29' AGL/416' MSL.

Trees, building beginning 2360' from DER, 64' left of centerline, up to 29' AGL/417' MSL.

Poles, trees, terrain beginning 2439' from DER, 9' right of centerline, up to 44' AGL/455' MSL.

Pole, tree beginning 2452' from DER, 31' left of centerline, up to 32' AGL/423' MSL.

Trees, buildings, electrical systems, terrain, poles, fences beginning 2535' from DER, 3' left of centerline, up to 33' AGL/434' MSL.

Trees, terrain, poles, fences, electrical system, vehicle on road beginning 2550' from DER, 7' right of centerline, up to 54' AGL/465' MSL.

Trees, terrain, building, pole beginning 2944' from DER, 9' left of centerline, up to 33' AGL/438' MSL.

Trees, fences beginning 2990' from DER, 84' left of centerline, up to 439' MSL.

Tree 3039' from DER, 57' left of centerline, 35' AGL/456' MSL.

Trees, terrain, building, poles, fence, vehicle on road, electrical system beginning 3051' from DER, 3' left of centerline, up to 467' MSL.

Tree, vehicle on road beginning 3097' from DER, 54' right of centerline, up to 50' AGL/466' MSL.

Trees, vehicle on road, pole, electrical systems beginning 3113' from DER, 1' right of centerline, up to 53' AGL/468' MSL.

Trees, vehicle on road, poles beginning 3462' from DER, 3' left of centerline, up to 47' AGL/468' MSL.

Trees, vehicle on road, poles beginning 3601' from DER, 66' right of centerline, up to 47' AGL/469' MSL.

CON'T



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

SMITHVILLE, TX (CON'T)

SMITHVILLE CRAWFORD MUNI (84R) (CON'T)

Rwy 35 (CON'T), trees beginning 3668' from DER, 110' left of centerline, up to 38' AGL/469' MSL.

Trees, vehicle on road, electrical systems, terrain, pole beginning 3712' from DER, 24' right of centerline, up to 45' AGL/472' MSL.

Trees beginning 3723' from DER, 155' left of centerline, up to 36' AGL/470' MSL.

Trees, terrain beginning 3736' from DER, 24' left of centerline, up to 42' AGL/476' MSL.

Trees, buildings, vehicle on road, fences, pole, terrain, electrical system beginning 3838' from DER, 3' right of centerline, up to 39' AGL/473' MSL.

Trees beginning 3924' from DER, 107' left of centerline, up to 56' AGL/477' MSL.

Trees beginning 3945' from DER, 3' left of centerline, up to 64' AGL/482' MSL.

Trees beginning 4053' from DER, 23' right of centerline, up to 38' AGL/480' MSL.

Trees, electrical system beginning 4094' from DER, 6' right of centerline, up to 36' AGL/483' MSL.

Trees, terrain, pole beginning 4167' from DER, on centerline, up to 49' AGL/484' MSL.

Trees beginning 4320' from DER, 5' right of centerline, up to 49' AGL/488' MSL.

Trees, vehicle on road, pole beginning 4365' from DER, 3' right of centerline, up to 56' AGL/492' MSL.

Trees beginning 4431' from DER, 2' left of centerline, up to 492' MSL.

Trees, vehicle on road beginning 4781' from DER, 22' right of centerline, up to 494' MSL.

Trees beginning 4827' from DER, 2' left of centerline, up to 55' AGL/495' MSL.

Trees beginning 4844' from DER, 54' right of centerline, up to 36' AGL/495' MSL.

Trees, vehicle on road beginning 4858' from DER, 306' right of centerline, up to 42' AGL/498' MSL.

Trees, pole beginning 4861' from DER, 29' right of centerline, up to 37' AGL/506' MSL.

Trees, vehicle on road, electrical system beginning 4889' from DER, on centerline, up to 49' AGL/517' MSL.

Trees, poles, buildings beginning 4922' from DER, 2' left of centerline, up to 52' AGL/499' MSL.

Trees, vehicle on road, building, terrain, pole beginning 4965' from DER, on centerline, up to 51' AGL/521' MSL.

Trees beginning 5373' from DER, 6' left of centerline, up to 506' MSL.

Trees beginning 5583' from DER, 245' left of centerline, up to 508' MSL.

Trees, building beginning 5598' from DER, 1' left of centerline, up to 510' MSL.

Trees beginning 5655' from DER, 30' left of centerline, up to 517' MSL.

Trees beginning 5747' from DER, 478' left of centerline, up to 522' MSL.

Trees, poles, vehicle on road, electrical systems, building beginning 5751' from DER, 12' left of centerline, up to 523' MSL.

Trees beginning 1.3 NM from DER, 425' right of centerline, up to 545' MSL.

Tree 1.4 NM from DER, 368' right of centerline, 551' MSL.

SONORA, TX

SONORA MUNI (SOA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 20AUG15 (15232) (FAA)

TAKEOFF MINIMUMS:

Rwy 18, 300-1 or std. w/min. climb gradient of 553' per NM to 2400.

DEPARTURE PROCEDURE:

Rwy 18, climb heading 182° to 2900 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 18, buildings beginning 683' from DER, left and right of centerline, up to 27' AGL/2163' MSL.

Trees and terrain beginning 2233' from DER, 686' right of centerline, up to 50' AGL/2309' MSL.

Tower 4860' from DER, 1458' right of centerline, 75' AGL/2287' MSL.

Rwy 36, fence beginning 2' from DER, left and right of centerline, up to 5' AGL/2144' MSL.

Vehicles on road beginning 8' from DER, left and right of centerline, up to 10' AGL/2149' MSL.

Tree 65' from DER, 462' right of centerline, 48' AGL/2178' MSL.

Tree 247' from DER, 337' left of centerline, 47' AGL/2187' MSL.

Trees beginning 278' from DER, 439' right of centerline, up to 27' AGL/2157' MSL.

Tree 759' from DER, 508' left of centerline, 15' AGL/2195' MSL.

Trees and terrain beginning 981' from DER, 258' left of centerline, up to 39' AGL/2269' MSL.

TAYLOR, TX

TAYLOR MUNI (T74)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 17AUG17 (17229) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, transmission line towers beginning 2212' from DER, 17' left of centerline, up to 50' AGL/656' MSL.

Transmission line towers beginning 2298' from DER, 463' right of centerline, up to 85' AGL/649' MSL.

Transmission line tower 2365' from DER, 1041' right of centerline, 110' AGL/661' MSL.

Rwy 35, vehicles on road 773' from DER, 544' left of centerline, 630' MSL.

Pole and tree beginning 829' from DER, 442' left of centerline, up to 28' AGL/642' MSL.

Vehicles on road 1105' from DER, 427' right of centerline, 635' MSL.

Tree 1129' from DER, 415' right of centerline, 639' MSL.

Poles beginning 1150' from DER, 474' right of centerline, up to 30' AGL/644' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

TEMPLE, TX

DRAUGHON-MILLER CENTRAL TEXAS RGNL (TPL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 08SEP22 (22251) (FAA)

DEPARTURE PROCEDURE:

Rwy 3, climb on heading between 085° CW to 200° from DER or climb on heading between 200° CW to 345° from DER to 3600 before proceeding on course or minimum climb of 250' per NM to 3200 for all other courses.

Rwy 34, climb on heading between 070° CW to 155° from DER or climb on heading between 155° CW to 330° from DER to 3600 before proceeding on course or min. climb of 240' per NM to 3200 for all other courses.

TAKEOFF OBSTACLE NOTES:

Rwy 3, vegetation beginning 176' from DER, 416' left of centerline, up to 680' MSL.

Tree 279' from DER, 362' right of centerline, 680' MSL.

Tree 1267' from DER, 750' left of centerline, 699' MSL.

Rwy 16, vegetation 60' from DER, 209' left of centerline, 680' MSL.

Rwy 21, hangars beginning 548' from DER, 571' right of centerline, up to 18' AGL/697' MSL.

Rwy 34, tree 306' from DER, 473' right of centerline, 695' MSL.

Tree 479' from DER, 545' right of centerline, 701' MSL.

UVALDE, TX

GARNER FLD (UVA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05MAY11 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, trees and poles beginning 70' from DER, 374' left of centerline, up to 100' AGL/1039' MSL.

Trees and poles beginning 208' from DER, 359' right of centerline, up to 100' AGL/1059' MSL.

Rwy 33, vehicle on roadway 622' from DER, left and right of centerline, up to 15' AGL/966' MSL.

Trees beginning 744' from DER, 636' left of centerline, up to 100' AGL/1059' MSL.

Trees beginning 861' from DER, 269' right of centerline, up to 100' AGL/1049' MSL.

VAN HORN, TX

CULBERSON COUNTY (VHN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 15JUN23 (23166) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, std. w/min. climb of 445' per NM to 7400 or 2500-3 for VCOA.

Rwy 7, std. w/min. climb of 445' per NM to 11000 or 2500-3 for VCOA.

Rwy 21, std. w/min. climb of 435' per NM to 12000 or 2500-3 for VCOA.

Rwy 25, std. w/min. climb of 500' per NM to 7800 or 2500-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 3, climb on heading 035° to 7200 before proceeding on course.

Rwy 7, climb on heading 074° to 7700 before proceeding on course.

Rwy 21, climb on heading 215° to 5200 before proceeding on course.

Rwy 25, climb on heading 254° to 7500 before proceeding on course.

VCOA:

Rwys 3, 7, 21, 25, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Culberson County airport at or above 6300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 3, tree, vegetation beginning 16' from DER, 133' right of centerline, up to 11' AGL/3928' MSL.

Trees, vegetation beginning 45' from DER, 147' left of centerline, up to 11' AGL/3929' MSL.

Tree, vehicle on road, vegetation beginning 135' from DER, 389' right of centerline, up to 17' AGL/3930' MSL.

Trees, vehicle on road beginning 248' from DER, 343' right of centerline, up to 18' AGL/3931' MSL.

Rwy 7, trees beginning 60' from DER, 12' right of centerline, up to 100' AGL/4018' MSL.

Trees 119' from DER, 215' left of centerline, 100' AGL/4015' MSL.

Trees beginning 148' from DER, 12' left of centerline, up to 100' AGL/4018' MSL.

Rwy 21, tree, vegetation beginning 49' from DER, 291' right of centerline, up to 10' AGL/3969' MSL.

Vegetation beginning 84' from DER, 404' left of centerline, up to 3961' MSL.

Trees 4132' from DER, 1604' right of centerline, 100' AGL/4090' MSL.

Rwy 25, trees, vehicle on road beginning 12' from DER, 59' right of centerline, up to 100' AGL/4060' MSL.

Trees 791' from DER, 523' right of centerline, 100' AGL/4067' MSL.

Trees 1051' from DER, 548' right of centerline, 100' AGL/4074' MSL.

Trees 1310' from DER, 573' right of centerline, 100' AGL/4077' MSL.

Trees beginning 1340' from DER, 21' right of centerline, up to 100' AGL/4080' MSL.

Trees 1629' from DER, 4' left of centerline, 100' AGL/4077' MSL.

Trees beginning 2060' from DER, 46' right of centerline, up to 100' AGL/4083' MSL.

Trees 2178' from DER, 255' left of centerline, 100' AGL/4080' MSL.

Trees beginning 2320' from DER, 71' right of centerline, up to 100' AGL/4090' MSL.

Trees beginning 2438' from DER, 229' left of centerline, up to 100' AGL/4083' MSL.

Trees beginning 2579' from DER, 97' right of centerline, up to 100' AGL/4093' MSL.

Trees beginning 2697' from DER, 178' left of centerline, up to 100' AGL/4090' MSL.

Trees beginning 2839' from DER, 122' right of centerline, up to 100' AGL/4100' MSL.

Trees beginning 3217' from DER, 153' left of centerline, up to 100' AGL/4093' MSL.

CONT



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



23334

SC-3

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

VAN HORN, TX (CON'T)

CULBERSON COUNTY (VHN) (CON'T)

Rwy 25 (CON'T), trees beginning 3477' from DER, 77' left of centerline, up to 100' AGL/4097' MSL.

Trees beginning 3589' from DER, 198' right of centerline, up to 100' AGL/4103' MSL.

Trees beginning 4108' from DER, 249' right of centerline, up to 100' AGL/4110' MSL.

Trees beginning 4256' from DER, 51' left of centerline, up to 100' AGL/4100' MSL.

Trees beginning 4368' from DER, 24' right of centerline, up to 100' AGL/4113' MSL.

Trees beginning 4515' from DER, 1' left of centerline, up to 100' AGL/4106' MSL.

Trees beginning 5377' from DER, 75' right of centerline, up to 100' AGL/4116' MSL.

Trees beginning 5584' from DER, 226' left of centerline, up to 100' AGL/4110' MSL.

Trees 5637' from DER, 1910' right of centerline, 100' AGL/4120' MSL.

Trees beginning 5666' from DER, 100' right of centerline, up to 100' AGL/4123' MSL.

Trees beginning 5844' from DER, 175' left of centerline, up to 100' AGL/4116' MSL.

Trees beginning 5897' from DER, 125' right of centerline, up to 100' AGL/4126' MSL.

Trees beginning 1 NM from DER, 1081' right of centerline, up to 100' AGL/4129' MSL.

WACO, TX

MC GREGOR EXEC (PWG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 13DEC90 (22139) (FAA)

TAKEOFF MINIMUMS:

Rwys 4, 17, 22, 35, 2000-3 or std. w/min. climb of 280' per NM to 3000.

DEPARTURE PROCEDURE:

Rwys 17, 22, climb via ACT R-195 to 3000 before proceeding on course.

Rwys 4, 35, climb runway heading to 3000 before proceeding on course.

WACO, TX (CON'T)

TSTC WACO (CNW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 05DEC19 (19339) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17L, terrain 104' from DER, 473' right of centerline, 460' MSL.

Terrain 198' from DER, 467' right of centerline, 464' MSL.

Poles beginning 1123' from DER, 584' left of centerline, up to 45' AGL/493' MSL.

Rwy 17R, vehicles on roads beginning at DER, 365' right of centerline, up to 10' AGL/479' MSL.

Trees beginning 750' from DER, 482' right of centerline, up to 66' AGL/514' MSL.

Trees beginning 870' from DER, 238' right of centerline, up to 81' AGL/530' MSL.

Tree 1239' from DER, 449' left of centerline, 497' MSL.

Tree 1568' from DER, 629' left of centerline, 500' MSL.

Tree 1924' from DER, 73' left of centerline, 512' MSL.

Rwy 35L, aircraft on taxiway at DER, on centerline, 65' AGL/532' MSL.

Aircraft on taxiway 783' from DER, 478' left of centerline, 65' AGL/534' MSL.

Aircraft on taxiway 808' from DER, 315' right of centerline, 65' AGL/518' MSL.

Tree 2349' from DER, 669' left of centerline, 537' MSL.

Tree 2877' from DER, 1044' left of centerline, 539' MSL.

Rwy 35R, tree 2082' from DER, 897' left of centerline, 523' MSL.

WACO RGNL (ACT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 23SEP10 (10266) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 1, rising terrain beginning 11' from DER, 34' right of centerline, up to 504' MSL.

Pole 1170' from DER, 593' left of centerline, 34' AGL/534' MSL.

Tree 1674' from DER, 794' right of centerline, 80' AGL/581' MSL.

Rwy 19, rod 590' from DER, 257' right of centerline, 40' AGL/524' MSL.

Rwy 32, trees beginning 501' from DER, 17' left of centerline, up to 70' AGL/562' MSL.

Trees beginning 836' from DER, 30' right of centerline, up to 80' AGL/609' MSL.

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23334

WESLACO, TX

MID VALLEY (TXW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 02MAR17 (17061) (FAA)

DEPARTURE PROCEDURE:

Rwy 14, climbing left turn heading 360° to 1800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 14, road, fence, sign, tree, bldg, beginning 4' from DER, 174' left of centerline, up to 84' MSL.

Road, fence, beginning 18' from DER, 442' right of centerline, up to 82' MSL.

Road 71' from DER, 502' right of centerline, 83' MSL.

Tree, flagpole, road, pole, beginning 94' from DER, 421' left of centerline, up to 26' AGL/90' MSL.

Flagpole, road, beginning 110' from DER, 373' left of centerline, up to 31' AGL/96' MSL.

Tree, road, fence, beginning 161' from DER, 429' left of centerline, up to 33' AGL/98' MSL.

Pole, beginning 220' from DER, 408' left of centerline, up to 32' AGL/99' MSL.

Pole, tree, beginning 242' from DER, 412' left of centerline, up to 34' AGL/101' MSL.

Light pole, beginning 284' from DER, 462' left of centerline, up to 38' AGL/103' MSL.

Pole, tree, lt pole, beginning 289' from DER, 349' left of centerline, up to 37' AGL/105' MSL.

Pole, tree, lt pole, beginning 360' from DER, 307' left of centerline, up to 39' AGL/106' MSL.

Pole 499' from DER, 475' right of centerline, 31' AGL/98' MSL.

Pole 499' from DER, 471' right of centerline, 30' AGL/99' MSL.

Tower, tree, pole, lt pole, ant, flagpole, bldg, beginning 511' from DER, 264' left of centerline, up to 60' AGL/131' MSL.

Catenary, road, pole, beginning 520' from DER, 468' right of centerline, up to 33' AGL/100' MSL.

Pole, tree, beginning 546' from DER, 337' right of centerline, up to 33' AGL/101' MSL.

Tree, lt pole, catenary, beginning 745' from DER, 268' right of centerline, up to 42' AGL/108' MSL.

Antenna, pole, catenary, beginning 1422' from DER, 437' right of centerline, up to 59' AGL/127' MSL.

Flagpole, pole, beginning 1711' from DER, 763' right of centerline, up to 75' AGL/142' MSL.

Rwy 32, road, fence, beginning 17' from DER, 345' left of centerline, up to 82' MSL.

Tree 64' from DER, 510' left of centerline, 29' AGL/95' MSL.

Tree 69' from DER, 496' left of centerline, 32' AGL/97' MSL.

Pole 109' from DER, 524' left of centerline, 33' AGL/100' MSL.

Pole, road, tree, bldg, beginning 111' from DER, 261' left of centerline, up to 38' AGL/103' MSL.

Road, beginning 562' from DER, 396' right of centerline, up to 87' MSL.

Road 630' from DER, 391' right of centerline, 88' MSL.

Road, beginning 659' from DER, 75' right of centerline, up to 89' MSL.

Trees, beginning 881' from DER, 571' left of centerline, up to 40' AGL/106' MSL.

WINK, TX

WINKLER COUNTY (INK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 10MAR11 (11069) (FAA)

DEPARTURE PROCEDURE:

Rwy 13, climb heading 147° to 3400 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, power lines beginning 524' from DER, right and left of centerline, up to 30' AGL/2829' MSL.

Trees beginning 742' from DER, right and left of centerline, up to 50' AGL/2859' MSL.

Rwy 13, trees beginning 133' from DER, 307' right of centerline, up to 50' AGL/2822' MSL.

Vehicles on road beginning 535' from DER, right and left of centerline, up to 15' AGL/2829' MSL.

Rwy 31, trees beginning 49' from DER, 396' left of centerline, up to 50' AGL/2832' MSL.

Trees beginning 1563' from DER, 585' right of centerline, up to 50' AGL/2874' MSL.

WINTERS, TX

WINTERS MUNI (77F)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25AUG11 (11237) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, multiple trees and fence beginning 428' from DER, 45' left of centerline, up to 25' AGL/1914' MSL.

Multiple trees and terrain beginning 110' from DER, 188' right of centerline, up to 12' AGL/1895' MSL.

YOAKUM, TX

YOAKUM MUNI (T85)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10MAR11 (11069) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, vehicle on road, 179' from DER, 237' left of centerline, up to 15' AGL/364' MSL.**Rwy 31**, vehicle on road, 77' from DER, 257' right of centerline, up to 15' AGL/384' MSL.

23334

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)

23334

YOAKUM DEFRENN AHP (KHLR)

FORT CAVAZOS, TX

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 05OCT23 (23278) (USA)

TAKEOFF MINIMUMS:

Rwys 16, 34, climb of 400' per NM, for copter use only.

TAKEOFF OBSTACLE NOTES:

Rwy 34, bldgs beginning 538' from DER, 588' left of centerline, up to 50' AGL/967' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

ORIG 05OCT23 (23278) (USA)

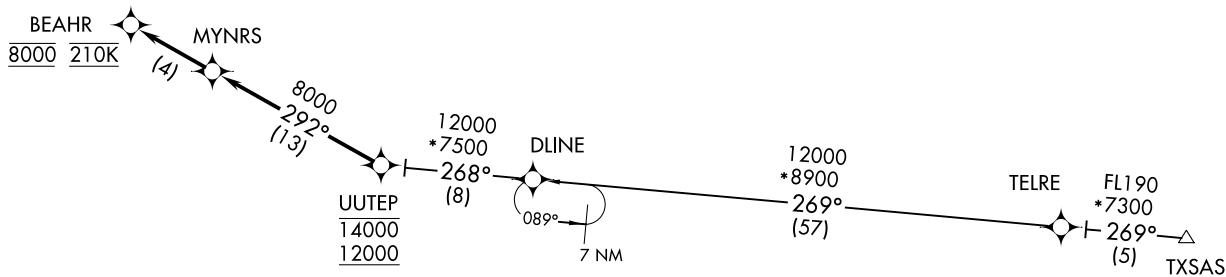
Rwys 16, 34, climb of 400' per NM, as assigned by ATC.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

BEAHR THREE ARRIVAL (RNAV)
(BEAHR.BEAHR3) 03APR14

EL PASO, TEXAS
EL PASO INTL (ELP)



NOTE: RADAR required.

NOTE: RNAV 1.

NOTE: DME/DME/IRU or GPS required.

NOTE: Turbojet aircraft only.

NOTE: Expect RNP approach or RADAR
vectors to final approach course
prior to BEAHR.

EL PASO D-ATIS
120.0 254.3
EL PASO APP CON
124.25 298.85
ALBUQUERQUE CENTER
135.2 292.15

(BEAHR.BEAHR3) 20030
BEAHR THREE ARRIVAL (RNAV)

A-134 (FAA)

EL PASO INTL (ELP)
EL PASO, TEXAS

ARRIVAL ROUTE DESCRIPTION

TXSAS TRANSITION (TXSAS.BEAHR3)

From UUTEP on track 292° to MYNRS, then on track 292° to
BEAHR, cross BEAHR at 8000 at 210K, expect RNAV (RNP)
approach or RADAR vectors to final approach course.

NOTE: Chart not to scale.

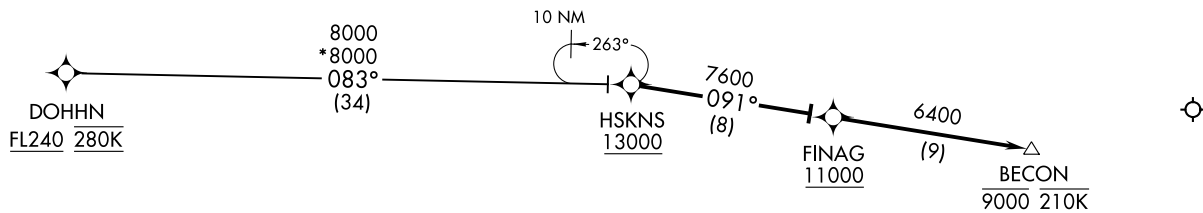
HSKNS ONE ARRIVAL (RNAV)
(HSKNS, HSKNS1) 03APR14

EL PASO, TEXAS
EL PASO INTL (ELP)

ARRIVAL ROUTE DESCRIPTION

DOHHN TRANSITION (DOHHN.HSKNS1)

LANDING RWY 4: From HSKNS on track 091° to FINAG, cross FINAG at or above 11000, then on track 091° to BECON, cross BECON at 9000 at 210K, expect RNAV (RNP) approach or RADAR vectors to final approach course.



NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: For Non-RNP aircraft, expect RADAR vectors to final approach course.
NOTE: Expect RNP approach clearance or RADAR vectors to final approach prior to BECON.

NOTE: Chart not to scale.

EL PASO D-ATIS
120.0 254.3
EL PASO APP CON
124.25 298.85
ALBUQUERQUE CENTER
135.875 292.15

(HSKNS, HSKNS1) 20030
HSKNS ONE ARRIVAL (RNAV)

AL-134 (FAA)

EL PASO INTL (ELP)
EL PASO, TEXAS

MOLLY FIVE ARRIVAL (RNAV)
(MOLLY.MOLLY5) 05NOV20

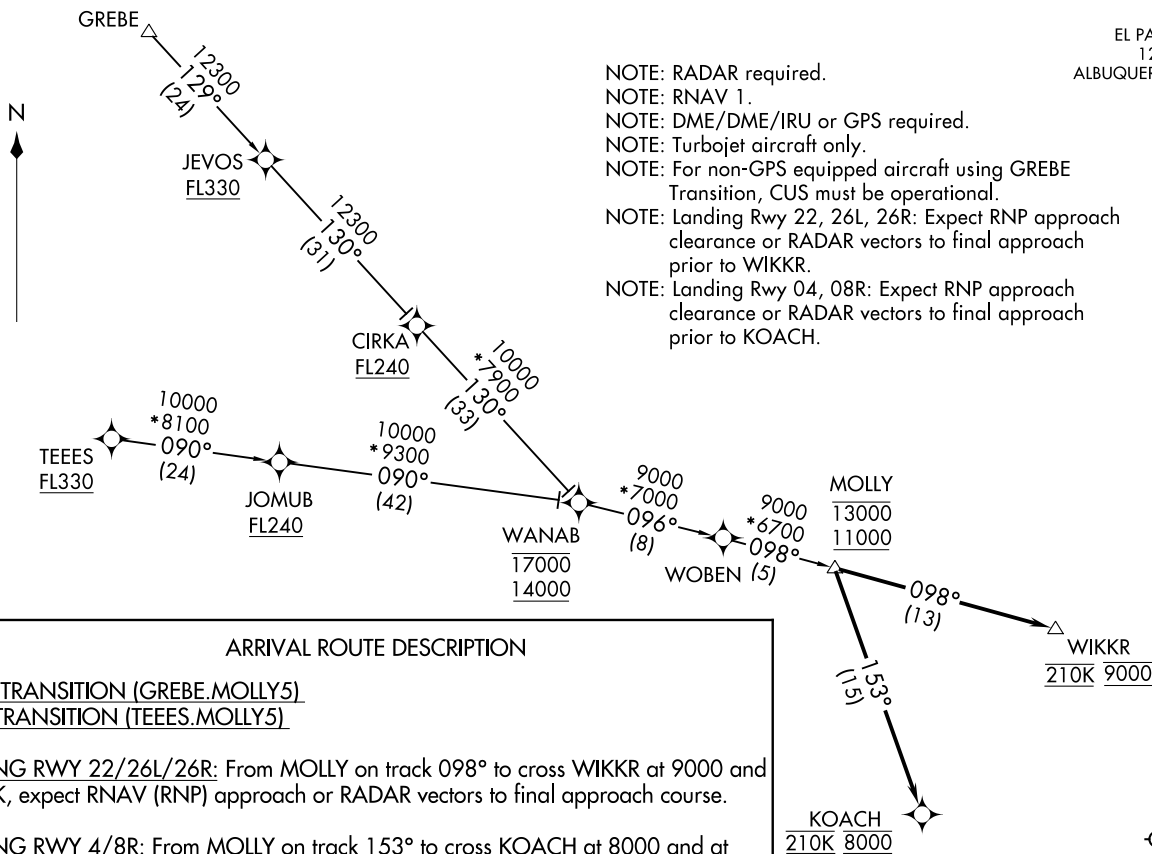
EL PASO, TEXAS
EL PASO INTL (ELP)

D-ATIS
120.0 254.3
EL PASO APP CON
124.25 298.85
ALBUQUERQUE CENTER
128.2 285.5

(MOLLY.MOLLY5) 20310
MOLLY FIVE ARRIVAL (RNAV)

AL-134 (FAA)

EL PASO INTL (ELP)
EL PASO, TEXAS

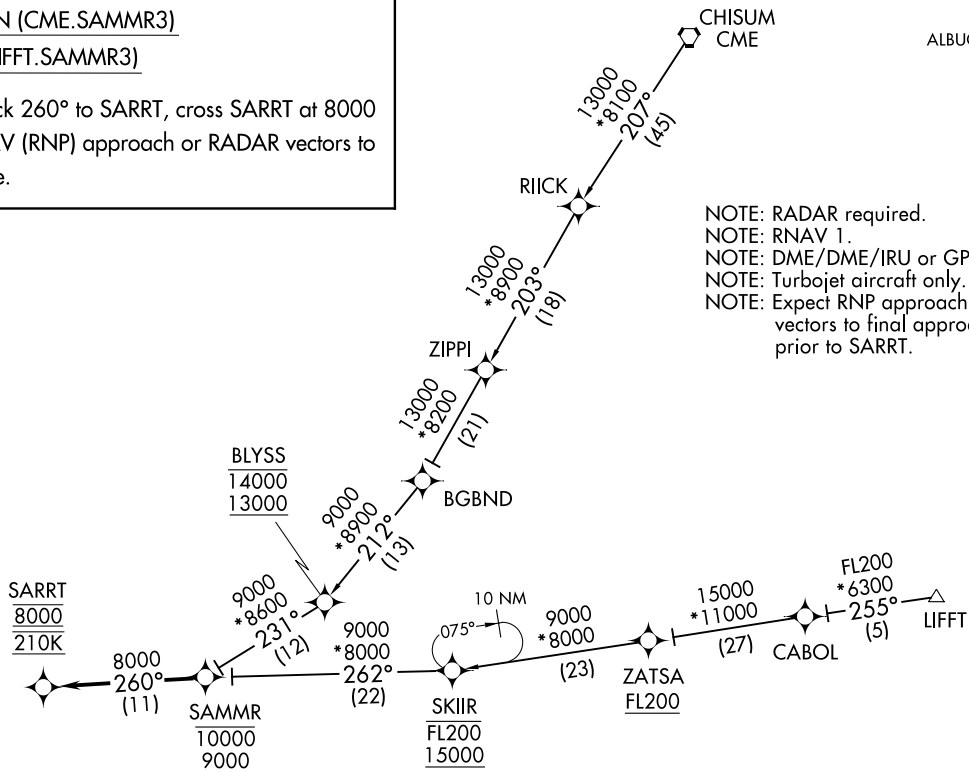


ARRIVAL ROUTE DESCRIPTION

CHISUM TRANSITION (CME.SAMMR3)

LIFFT TRANSITION (LIFFT.SAMMR3)

From SAMMR on track 260° to SARRT, cross SARRT at 8000 at 210K, expect RNAV (RNP) approach or RADAR vectors to final approach course.



EL PASO D-ATIS
120.0 254.3
EL PASO APP CON
124.25 298.85
ALBUQUERQUE CENTER
135.87 292.15

NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.
NOTE: Expect RNP approach or radar vectors to final approach course prior to SARRT.

NOTE: Chart not to scale.

(WAZKO.WAZKO1) 20030
WAZKO ONE ARRIVAL(RNAV)

AL-134 (FAA)

EL PASO INTL (ELP)
EL PASO, TEXAS

EL PASO D-ATIS
120.0 254.3
EL PASO APP CON
124.25 298.85
ALBUQUERQUE CENTER
128.2 285.5

SLNNK
14000
*9800
184°
(23)

BOATY

12000
*9800
135°
(30)

SEKBE
280K FL190

11000
*8100
137°
(1)

WAZKO
13000
11000

9000
150°
(6)

JESBU
10000

WIKKR
210K 9000

098°
(8)

6500
167°
(17)

KOACH
210K 8000

NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: TURBOJET Aircraft only.
NOTE: Landing Rwy 04 : Expect RNP approach
or RADAR vectors to final approach
course prior to KOACH.
NOTE: Landing Rwy 22,26L : Expect RNP approach
or RADAR vectors to final approach
course prior to WIKKR.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.



WAZKO ONE ARRIVAL (RNAV)
(WAZKO.WAZKO1) 03APR14

EL PASO, TEXAS
EL PASO INTL (ELP)

SC-3, 22 FEB 2024 to 21 MAR 2024

SC-3, 22 FEB 2024 to 21 MAR 2024

ARRIVAL ROUTE DESCRIPTION

SLNNK TRANSITION (SLNNK.WAZKO1):

- LANDING RWY 4: From WAZKO on track 167° to KOACH at 8000 and at 210K. Expect RNAV (RNP) approach or RADAR vectors to final approach course.

LANDING RWY 8R: From WAZKO on track 167° to KOACH at 8000 and at 210K. Expect RADAR vectors to final approach course.

LANDING RWY 22/26L: From WAZKO on track 150° to cross JEBSU at or above 10000, then on track 098° to cross WIKKR at 9000 and at 210K. Expect RNAV (RNP) approach or RADAR vectors to final approach course.

LANDING RWY 26R: From WAZKO on track 150° to cross JEBSU at or above 10000, then on track 098° to cross WIKKR at 9000 and at 210K. Expect RADAR vectors to final approach course.

SC-3, 22 FEB 2024 to 21 MAR 2024

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