

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

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DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
ELOEL						TWO	ELOEL2.ELOEL	ONE	03/05/2015	
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV					
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					

**DP ROUTE DESCRIPTION:**

**AUSTIN-BERGSTROM INTL**

**RWY 17L:** CLIMB HEADING 174.70 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 17R:** CLIMB HEADING 174.68 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 35L:** CLIMB HEADING 354.69 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 35R:** CLIMB HEADING 354.70 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...

**AUSTIN EXECUTIVE**

**RWY 13:** CLIMB HEADING 126.43 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 31:** CLIMB HEADING 306.43 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...

**SAN MARCOS RGNL**

**RWY 8:** CLIMB HEADING 080.85 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 13:** CLIMB HEADING 125.88 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 17:** CLIMB HEADING 170.87 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 26:** CLIMB HEADING 260.86 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 31:** CLIMB HEADING 305.88 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 35:** CLIMB HEADING 350.87 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...

**GEORGETOWN MUNI**

**RWY 11:** CLIMB HEADING 114.56 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 18:** CLIMB HEADING 177.54 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 29:** CLIMB HEADING 294.56 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 36:** CLIMB HEADING 357.54 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...

**LAGO VISTA TX - RUSTY ALLEN**

**RWY 15:** CLIMB HEADING 157.29 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 33:** CLIMB HEADING 337.29 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...

**TAYLOR MUNI**

**RWY 17:** CLIMB HEADING 173.65 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 35:** CLIMB HEADING 353.65 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...

**LAKEWAY AIRPARK**

**RWY 16:** CLIMB HEADING 164.78 TO 1700, THEN AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...  
**RWY 34:** CLIMB HEADING 344.77 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE...

...ON TRACK 338.21 TO ELOEL, THEN ON TRANSITION. MAINTAIN ALTITUDE ASSIGNED BY ATC. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.



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ELOEL	TWO	ELOEL2.ELOEL	ONE	03/05/2015	

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
ABILENE	ELOEL2.ABI	ELOEL	FORSS	TRACK 329.15	17.91	10500	2700	
			ABI VORTAC	TRACK 307.12	120.31	FL180		
FORSS	ELOEL2.FORSS	ELOEL	FORSS	TRACK 329.15	17.91	10500	2700	
KLNGR	ELOEL2.KLNGR	ELOEL	KLNGR	TRACK 338.29	20.00	10500	2700	

**PROCEDURAL DATA NOTES:**

**NOTE:** RADAR REQUIRED.

**NOTE:** DME/DME/IRU OR GPS REQUIRED.

**NOTE:** RNAV 1.

**NOTE (LAKEWAY AIRPARK ONLY):** TAKEOFF RWY 16 REQUIRES A CLIMB TO 1700 ON HEADING 165 DEGREES PRIOR TO TURNING FOR OBSTACLE AVOIDANCE.

**TAKEOFF MINIMUMS:**

**AUSTIN-BERGSTROM INTL**

**RWY 17L, 17R:** STANDARD.

**RWY 35L, 35R:** STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 2600.

**AUSTIN EXECUTIVE**

**RWY 16, 34:** NA-ENVIRONMENTAL.

**RWY 13, 31:** STANDARD.

**SAN MARCOS RGNL**

**RWY 8, 13, 17, 26:** STANDARD.

**RWY 31:** STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 2600.

**RWY 35:** STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 2600.

**GEORGETOWN MUNI**

**RWY 11, 29, 36:** STANDARD.

**RWY 18:** 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 1000.

**LAGO VISTA TX - RUSTY ALLEN**

**RWY 15, 33:** STANDARD.

**TAYLOR MUNI**

**RWY 17, 35:** STANDARD.

**LAKEWAY AIRPARK**

**RWY 34:** STANDARD.

**RWY 16:** 500-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 265 FT PER NM TO 1500.

QUALITY  
3  
CHECKED

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ELOEL	TWO	ELOEL2.ELOEL	ONE	03/05/2015	

**TAKEOFF OBSTACLES NOTES:**

**AUSTIN-BERGSTROM INTL**

**NOTE: RWY 17L:** TREE 497 FT FROM DER, 576 FT LEFT OF CENTERLINE, 507 FT MSL. TREE 617 FT FROM DER, 585 FT RIGHT OF CENTERLINE, 498 FT MSL. TREES BEGINNING 643 FT FROM DER, 663 FT LEFT OF CENTERLINE, UP TO 517 FT MSL.

**NOTE: RWY 17R:** TREE 1006 FT FROM DER, 730 FT RIGHT OF CENTERLINE, 519 FT MSL.

**NOTE: RWY 35R:** TREE 816 FT FROM DER, 663 FT RIGHT OF CENTERLINE, 528 FT MSL.

**AUSTIN EXECUTIVE**

**NOTE: RWY 31:** POLE AND TREES BEGINNING 900 FT FROM DER, 258 FT LEFT OF CENTERLINE, UP TO 669 FT MSL. TRANSMISSION LINE TOWER 1931 FT FROM DER, 911 FT RIGHT OF CENTERLINE, 83 FT AGL/670 FT MSL. TRANSMISSION LINE TOWER 2325 FT FROM DER, 878 FT RIGHT OF CENTERLINE, 89 FT AGL/682 FT MSL. POLES BEGINNING 2362 FT FROM DER, 590 FT RIGHT OF CENTERLINE, UP TO 113 FT AGL/707 FT MSL. TRANSMISSION LINE TOWER 2568 FT FROM DER, 1159 FT LEFT OF CENTERLINE, 77 FT AGL/697 FT MSL. TRANSMISSION LINE TOWER 3692 FT FROM DER, 437 FT LEFT OF CENTERLINE, 122 FT AGL/728 FT MSL. TRANSMISSION LINE TOWER 4411 FT FROM DER, 1110 FT LEFT OF CENTERLINE, 135 FT AGL/749 FT MSL.

**SAN MARCOS RGNL**

**NOTE: RWY 8:** SIGN 1 FT FROM DER, 250 FT LEFT OF CENTERLINE, 3 FT AGL/583 FT MSL. TREE 942 FT FROM DER, 259 FT LEFT OF CENTERLINE, 612 FT MSL.

**NOTE: RWY 13:** TREE 2505 FT FROM DER, 194 FT RIGHT OF CENTERLINE, 71 FT AGL/637 FT MSL. TREE 2615 FT FROM DER, 90 FT RIGHT OF CENTERLINE, 75 FT AGL/639 FT MSL. TREES BEGINNING 2639 FT FROM DER, 139 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/646 FT MSL.

**NOTE: RWY 17:** BUSH 26 FT FROM DER, 74 FT LEFT OF CENTERLINE, 2 FT AGL/576 FT MSL.

**NOTE: RWY 26:** REIL 9 FT FROM DER, 90 FT RIGHT OF CENTERLINE, 4 FT AGL/589 FT MSL. TREE 1073 FT FROM DER, 684 FT RIGHT OF CENTERLINE, 621 FT MSL. POLES AND TREES BEGINNING 1206 FT FROM DER, 394 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/638 FT MSL.

**NOTE: RWY 31:** TREES BEGINNING 912 FT FROM DER, 613 FT RIGHT OF CENTERLINE, UP TO 622 FT MSL. POLE AND TREE BEGINNING 1046 FT FROM DER, 630 FT RIGHT OF CENTERLINE, UP TO 34 FT AGL/631 FT MSL. TREE 1287 FT FROM DER, 718 FT LEFT OF CENTERLINE, 627 FT MSL.

**NOTE: RWY 35:** SIGN 25 FT FROM DER, 198 FT LEFT OF CENTERLINE, 3 FT AGL/597 FT MSL. TREE 2562 FT FROM DER, 1113 FT LEFT OF CENTERLINE, 659 FT MSL. TREE 3227 FT FROM DER, 162 FT LEFT OF CENTERLINE, 54 FT AGL/676 FT MSL. TREES BEGINNING 3540 FT FROM DER, 51 FT LEFT OF CENTERLINE, UP TO 52 FT AGL/687 FT MSL. TREE 3655 FT FROM DER, 362 FT RIGHT OF CENTERLINE, 54 FT AGL/692 FT MSL. TREES BEGINNING 3664 FT FROM DER, 11 FT RIGHT OF CENTERLINE, UP TO 54 FT AGL/693 FT MSL. TREE 3727 FT FROM DER, 81 FT LEFT OF CENTERLINE, 52 FT AGL/688 FT MSL. TREE 3741 FT FROM DER, 94 FT LEFT OF CENTERLINE, 52 FT AGL/690 FT MSL. TREE 3972 FT FROM DER, 40 FT LEFT OF CENTERLINE, 48 FT AGL/696 FT MSL. TREE 4131 FT FROM DER, 37 FT RIGHT OF CENTERLINE, 42 FT AGL/699 FT MSL. TREE 4146 FT FROM DER, 33 FT RIGHT OF CENTERLINE, 43 FT AGL/700 FT MSL. POLE AND TREES BEGINNING 4150 FT FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 44 FT AGL/702 FT MSL. TREE 4209 FT FROM DER, 10 FT LEFT OF CENTERLINE, 39 FT AGL/701 FT MSL. TREE 4222 FT FROM DER, 73 FT RIGHT OF CENTERLINE, 42 FT AGL/704 FT MSL. TREE 4225 FT FROM DER, 25 FT LEFT OF CENTERLINE, 38 FT AGL/702 FT MSL. TREES BEGINNING 4229 FT FROM DER, 35 FT RIGHT OF CENTERLINE, UP TO 47 FT AGL/708 FT MSL. TREES BEGINNING 4406 FT FROM DER, 160 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/709 FT MSL. TREES BEGINNING 4426 FT FROM DER, 278 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/711 FT MSL. POLE, BUILDINGS, AND TREES BEGINNING 4435 FT FROM DER, 123 FT RIGHT OF CENTERLINE, UP TO 47 FT AGL/720 FT MSL. POLE 4450 FT FROM DER, 16 FT LEFT OF CENTERLINE, 36 FT AGL/707 FT MSL. POLE, TELEPHONE LINE, AND TREES BEGINNING 4554 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/722 FT MSL. TREE 4785 FT FROM DER, 1629 FT LEFT OF CENTERLINE, 716 FT MSL. TREES BEGINNING 5071 FT FROM DER, 1533 FT LEFT OF CENTERLINE, UP TO 49 FT AGL/738 FT MSL.

**GEORGETOWN MUNI**

**NOTE: RWY 11:** TREE 11 FT FROM DER, 401 FT RIGHT OF CENTERLINE, 786 FT MSL. POLES AND TREES BEGINNING 79 FT FROM DER, 136 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/796 FT MSL. BUILDING 183 FT FROM DER, 477 FT LEFT OF CENTERLINE, 776 FT MSL. POLES AND BUILDINGS BEGINNING 251 FT FROM DER, 424 FT LEFT OF CENTERLINE, UP TO 789 FT MSL. TREES BEGINNING 489 FT FROM DER, 226 FT LEFT OF CENTERLINE, UP TO 791 FT MSL. TRANSMISSION TOWERS, CATENARY, AND TELEPHONE LINE BEGINNING 2019 FT FROM DER, 27 FT LEFT OF CENTERLINE, UP TO 97 FT AGL/837 FT MSL. TRANSMISSION TOWER AND TELEPHONE LINE BEGINNING 2271 FT FROM DER, 900 FT RIGHT OF CENTERLINE, UP TO 826 FT MSL. TOWER 5361 FT FROM DER, 515 FT RIGHT OF CENTERLINE, 179 FT AGL/894 FT MSL.

**NOTE: RWY 18:** REIL, VEHICLES ON ROAD, AND TREE BEGINNING 30 FT FROM DER, 124 FT LEFT OF CENTERLINE, UP TO 784 FT MSL. TREE 148 FT FROM DER, 465 FT LEFT OF CENTERLINE, 33 FT AGL/787 FT MSL. TREES BEGINNING 175 FT FROM DER, 444 FT RIGHT OF CENTERLINE, UP TO 779 FT MSL. OBSTRUCTION LIGHT ON POLE, POLES, AND TREES BEGINNING 300 FT FROM DER, 38 FT LEFT OF CENTERLINE, UP TO 792 FT MSL. OBSTRUCTION LIGHT ON POLE, POLES, AND TREES BEGINNING 351 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 792 FT MSL. TRANSMISSION TOWER 3137 FT FROM DER, 1036 FT LEFT OF CENTERLINE, 90 FT AGL/835 FT MSL. ANTENNA ON WATER TOWER 1 NM FROM DER, 1158 FT RIGHT OF CENTERLINE, 163 FT AGL/932 FT MSL.

**NOTE: RWY 29:** BUSHES BEGINNING 10 FT FROM DER, 117 FT LEFT OF CENTERLINE, UP TO 792 FT MSL. TERRAIN 15 FT FROM DER, 91 FT RIGHT OF CENTERLINE, 790 FT MSL. TERRAIN 15 FT FROM DER, 191 FT RIGHT OF CENTERLINE, 792 FT MSL. TREES BEGINNING 89 FT FROM DER, 345 FT LEFT OF CENTERLINE, UP TO 806 FT MSL. BUSH AND TREE BEGINNING 103 FT FROM DER, 351 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/819 FT MSL. TREE 205 FT FROM DER, 403 FT LEFT OF CENTERLINE, 811 FT MSL. TREE 260 FT FROM DER, 562 FT RIGHT OF CENTERLINE, 824 FT MSL. TREES BEGINNING 296 FT FROM DER, 291 FT LEFT OF CENTERLINE, UP TO 819 FT MSL. TREES BEGINNING 331 FT FROM DER, 162 FT RIGHT OF CENTERLINE, UP TO 828 FT MSL. TREES BEGINNING 544 FT FROM DER, 22 FT RIGHT OF CENTERLINE, UP TO 833 FT MSL. TREES BEGINNING 549 FT FROM DER, 78 FT LEFT OF CENTERLINE, UP TO 821 FT MSL. POLE 766 FT FROM DER,

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524 FT RIGHT OF CENTERLINE, 837 FT MSL. POLES AND TREES BEGINNING 787 FT FROM DER, 48 FT LEFT OF CENTERLINE, UP TO 826 FT MSL. POLES AND TREES BEGINNING 800 FT FROM DER, 56 FT RIGHT OF CENTERLINE, UP TO 840 FT MSL. TREE 1902 FT FROM DER, 923 FT RIGHT OF CENTERLINE, 841 FT MSL. TREES BEGINNING 1958 FT FROM DER, 563 FT RIGHT OF CENTERLINE, UP TO 844 FT MSL.

**NOTE: RWY 36:** BUILDING 70 FT FROM DER, 513 FT RIGHT OF CENTERLINE, 789 FT MSL. ANTENNA 104 FT FROM DER, 492 FT RIGHT OF CENTERLINE, 810 FT MSL. TERRAIN 115 FT FROM DER, 345 FT LEFT OF CENTERLINE, 789 FT MSL. TREES BEGINNING 143 FT FROM DER, 378 FT LEFT OF CENTERLINE, UP TO 18 FT AGL/810 FT MSL. POLE 269 FT FROM DER, 565 FT LEFT OF CENTERLINE, 35 FT AGL/828 FT MSL. TREES BEGINNING 284 FT FROM DER, 424 FT RIGHT OF CENTERLINE, UP TO 818 FT MSL. TREE 322 FT FROM DER, 360 FT LEFT OF CENTERLINE, 831 FT MSL. POLE AND TREES BEGINNING 392 FT FROM DER, 301 FT LEFT OF CENTERLINE, UP TO 837 FT MSL. TOWER AND TREES BEGINNING 510 FT FROM DER, 429 FT RIGHT OF CENTERLINE, UP TO 45 FT AGL/823 FT MSL.

**LAGO VISTA TX - RUSTY ALLEN**

**NOTE: RWY 15:** BUILDING 4 FT FROM DER, 157 FT RIGHT OF CENTERLINE, 25 FT AGL/1225 FT MSL. BUILDING AND TREES BEGINNING 18 FT FROM DER, 248 FT LEFT OF CENTERLINE, UP TO 1232 FT MSL.

**NOTE: RWY 33:** TREES BEGINNING 14 FT FROM DER, 158 FT RIGHT OF CENTERLINE, UP TO 1258 FT MSL. TREES BEGINNING 44 FT FROM DER, 144 FT LEFT OF CENTERLINE, UP TO 1257 FT MSL. TREES BEGINNING 173 FT FROM DER, 315 FT LEFT OF CENTERLINE, UP TO 1262 FT MSL. TREES BEGINNING 173 FT FROM DER, 235 FT RIGHT OF CENTERLINE, UP TO 1259 FT MSL. TREES BEGINNING 494 FT FROM DER, 224 FT RIGHT OF CENTERLINE, UP TO 1269 FT MSL. TREES BEGINNING 624 FT FROM DER, 274 FT LEFT OF CENTERLINE, UP TO 1270 FT MSL. TREES BEGINNING 743 FT FROM DER, 159 FT LEFT OF CENTERLINE, UP TO 1273 FT MSL. TREE 1430 FT FROM DER, 122 FT RIGHT OF CENTERLINE, 1270 FT MSL. TREE 1612 FT FROM DER, 132 FT LEFT OF CENTERLINE, 1274 FT MSL.

**TAYLOR MUNI**

**NOTE: RWY 17:** TRANSMISSION LINE TOWERS BEGINNING 2212 FT FROM DER, 17 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/656 FT MSL. TRANSMISSION LINE TOWERS BEGINNING 2298 FT FROM DER, 463 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/649 FT MSL. TRANSMISSION LINE TOWER 2365 FT FROM DER, 1041 FT RIGHT OF CENTERLINE, 110 FT AGL/661 FT MSL.

**NOTE: RWY 35:** VEHICLES ON ROAD 773 FT FROM DER, 544 FT LEFT OF CENTERLINE, 630 FT MSL. POLE AND TREE BEGINNING 829 FT FROM DER, 442 FT LEFT OF CENTERLINE, UP TO 28 FT AGL/642 FT MSL. VEHICLES ON ROAD 1105 FT FROM DER, 427 FT RIGHT OF CENTERLINE, 635 FT MSL. TREE 1129 FT FROM DER, 415 FT RIGHT OF CENTERLINE, 639 FT MSL. POLES BEGINNING 1150 FT FROM DER, 474 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/644 FT MSL.

**LAKEWAY AIRPARK**

**NOTE: RWY 16:** TREES ON RISING TERRAIN BEGINNING 26 FT FROM DER, 161 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/975 FT MSL. BUILDING 38 FT FROM DER, 229 FT RIGHT OF CENTERLINE, 50 FT AGL/989 FT MSL. TREE 194 FT FROM DER, 221 FT LEFT OF CENTERLINE, 50 FT AGL/943 FT MSL. BUILDING AND TREES BEGINNING 534 FT FROM DER, 165 FT LEFT OF CENTERLINE, 40 FT AGL/941 FT MSL. POWER LINES WITH CATENARY MARKERS BEGINNING 776 FT FROM DER, CROSSING CENTERLINE, UP TO 80 FT AGL/999 FT MSL. TOWER 2.1 NM FROM DER, 1314 FT RIGHT OF CENTERLINE, 195 FT AGL/1326 FT MSL.

**NOTE: RWY 34:** TREES BEGINNING ABEAM DER, RIGHT OF CENTERLINE, UP TO 50 FT AGL/931 FT MSL. TREES AND BUILDINGS BEGINNING ABEAM DER, 161 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/965 FT MSL. TREES AND BUILDINGS ON RISING TERRAIN BEGINNING 3405 FT FROM DER, CROSSING CENTERLINE, UP TO 50 FT AGL/1009 FT MSL.

**CONTROLLING OBSTACLES:**

**AUSTIN-BERGSTROM INTL**

**RWY 35L, 35R:** 2032 FT MSL TOWER 301836.00N/0974735.00W.

**SAN MARCOS RGNL**

**RWY 31, 35:** 2049 FT MSL TOWER 300243.00N/0975251.00W.

**GEORGETOWN MUNI**

**RWY 18:** 932 FT MSL ANTENNA ON WATER TOWER 303921.13N/0974101.53W.

**LAKEWAY AIRPARK**

**RWY 16:** 1326 FT MSL TOWER 301901.00N/0975922.00W.

**OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:**

**RWY 16:** 1536 FT MSL TOWER 302026.00N/0980106.00W.



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**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KAUS 4E, EPOCH YEAR: 2020

DME/DME ASSESSMENT: SAT (RNP 2.0)

**CHART:** TOP ALTITUDE: ASSIGNED BY ATC.

**CHART:** MINIMUM CROSSING ALTITUDE AT WLMRT - 5000.

**AIRPORTS SERVED:**

<b>AIRPORT NAME</b>	<b>CITY</b>	<b>STATE</b>
AUSTIN-BERGSTROM INTL (KAUS)	AUSTIN	TX
AUSTIN EXECUTIVE (KEDC)	AUSTIN	TX
SAN MARCOS RGNL (KHYI)	AUSTIN	TX
GEORGETOWN MUNI (KGTU)	GEORGETOWN	TX
LAGO VISTA TX - RUSTY ALLEN (KRYW)	LAGO VISTA	TX
TAYLOR MUNI (KT74)	TAYLOR	TX
LAKEWAY AIRPARK (K3R9)	LAKEWAY	TX

**COMMUNICATIONS:**

**AUSTIN-BERGSTROM INTL:** ATIS, CLNC DEL, GND CON, TOWER, DEP CON.

**AUSTIN EXECUTIVE:** AWOS, CLNC DEL, UNICOM, DEP CON.

**SAN MARCOS RGNL:** AWOS, CLNC DEL, GND CON, TOWER, DEP CON.

**GEORGETOWN MUNI:** ATIS, CLNC DEL, GND CON, TOWER, DEP CON, UNICOM.

**LAGO VISTA TX - RUSTY ALLEN:** ASOS, UNICOM, DEP CON.

**TAYLOR MUNI:** UNICOM, DEP CON.

**LAKEWAY AIRPARK:** UNICOM, DEP CON.

**FIXES AND/OR NAVAIDS:**



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**REMARKS:**

1. CLIMB GRADIENT USED TO MITIGATE KAUS RWY 35L/35R AND KHYI RWY 31/35 CONTROLLING OBSTACLES TO PERMIT UNRESTRICTED DEPARTURE HEADINGS PER ATC REQUEST.
2. KAUS RWY 35L CLIMB GRADIENT ROUNDED TO 240 FT PER NM FOR PUBLICATION (COMPUTED VALUE 234 FT PER NM).
3. KAUS RWY 35R CLIMB GRADIENT ROUNDED TO 240 FT PER NM FOR PULICATION (COMPUTED VALUE 210 FT PER NM).
4. KHYI RWY 35 CLIMB GRADIENT ROUNDED TO 230 FT PER NM FOR PUBLICATION (COMPUTED VALUE 224 FT PER NM).
5. KHYI RWY 31 CLIMB GRADIENT ROUNDED TO 210 FT PER NM FOR PUBLICATION (PUBLISHED VALUE 203 FT PER NM).

**FLIGHT INSPECTED BY:**

**OFFICE SYMBOL:**

**DATE:**

**DEVELOPED BY:**

PETER GUIMOND

*Digitally signed by  
PETER R GUIMOND  
Apr 03, 2017*

**OFFICE SYMBOL:**

**DATE:**

AJV-5422

04/03/2017

**APPROVED BY:**

JULIE MORGAN

**OFFICE SYMBOL:**

**DATE:**

AJV-5420

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

ZHU, AUS APP CON, AUS ATCT, HYI ATCT, GTU ATCT, AMGR(S)

**CHANGES - REASONS:**

1. AMENDED DP DESCRIPTION FOR ALL RUNWAYS AT ALL AIRPORTS FROM CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO WLMRT, THEN ON DEPICTED ROUTE TO ELOEL, THENCE TO READ CLIMB HEADING (APPROPRIATE MAGNETIC RWY BEARING) OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO CROSS WLMRT AT OR ABOVE 5000, THENCE - RUNWAY BEARINGS ADDED PER ATC REQUEST. MINIMUM CROSSING ALTITUDE AT WLMRT (IF) ADDED IAW FAAO 8260.46F, APPENDIX E, PARA 10C.
2. AMENDED KAUS TOP ALTITUDE FROM 4000 TO ASSIGNED BY ATC - ATC REQUEST DUE TO NEW CHARTED CROSSING RESTRICTION ADDED AT WLMRT.
3. AMENDED SATELLITE AIRPORT TOP ALTITUDE FROM 3000 TO ASSIGNED BY ATC - ATC REQUEST DUE TO NEW CHARTED CROSSING RESTRICTION ADDED AT WLMRT.
4. AMENDED KAUS THENCE INSTRUCTIONS FROM MAINTAIN 4000 OR ALTITUDE ASSIGNED BY ATC, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE TO READ THENCE ON TRACK 338.21 TO ELOEL, THEN ON TRANSITION. MAINTAIN ALTITUDE ASSIGNED BY ATC. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE - ALTITUDE ASSIGNED BY ATC FORMAT REQUIRED TO MATCH CHARTED TOP ALTITUDE. LEG TO ELOEL IS COMMON TO ALL RUNWAYS AND AIRPORTS.
5. AMENDED ALL SATELLITE AIRPORT THENCE INSTRUCTIONS FROM MAINTAIN 3000 OR ALTITUDE ASSIGNED BY ATC, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE TO READ THENCE ON TRACK 338.21 TO ELOEL, THEN ON TRANSITION. MAINTAIN ALTITUDE ASSIGNED BY ATC. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE - ALTITUDE ASSIGNED BY ATC FORMAT REQUIRED TO MATCH CHARTED TOP ALTITUDE. LEG TO ELOEL IS COMMON TO ALL RUNWAYS AND AIRPORTS.
6. DELETED CLIMB-TO ALTITUDES (1800 MSL) IN DP ROUTE DESCRIPTION FOR KAUS RWY 35L/35R - CLIMB GRADIENT PUBLISHED TO MITIGATE 40:1 PENETRATIONS AND AUTHORIZE UNRESTRICTED HEADINGS.
7. AMENDED KAUS RWY 35L/35R TAKEOFF MINIMUMS FROM STANDARD TO STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM 2600 - CLIMB GRADIENT PUBLISHED TO MITIGATE 40:1 PENETRATIONS TO PERMIT UNRESTRICTED HEADINGS.
8. DELETED CLIMB-TO ALTITUDES FOR KHYI RWY 31 (1500 MSL) AND KHYI RWY 35 (2500 MSL) - CLIMB GRADIENT PUBLISHED TO MITIGATE 40:1 PENETRATIONS TO PERMIT UNRESTRICTED HEADINGS.

QUALITY  
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**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
ELOEL	TWO	ELOEL2.ELOEL	ONE	03/05/2015	
9. AMENDED KHYI RWY 31 TAKEOFF MINIMUMS FROM STANDARD TO STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 2600 - CLIMB GRADIENT PUBLISHED TO MITIGATE 40:1 PENETRATIONS AND AUTHORIZE UNRESTRICTED HEADINGS.					
10. AMENDED KHYI RWY 35 TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 2600 TO STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 2600 - NEW OBSTACLE STUDY.					
11. AMENDED KGTU RWY 18 TAKEOFF MINIMUMS FROM 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 244 FT PER NM TO 1000 TO READ 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 1000 - MATCH UPDATED FAA FORM 15A, AMDT 1A AT AIRPORT.					
12. ADDED RWY 16, 34 NA-ENVIRONMENTAL TO KEDC TAKEOFF MINIMUMS - IAW FAAO 8260.46F, APPENDIX E, PARA 6A.					
13. AMENDED TAKEOFF OBSTACLE NOTES AT KAUS, KEDC, KGTU, KRYW, KHYI, AND KT74 - MATCH AMENDED FAA FORM 15A(S) AT THOSE AIRPORTS.					
14. REMOVED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT STATEMENT FROM KHYI CONTROLLING OBSTACLES - 2049 FT MSL TOWER IS THE CONTROLLING OBSTACLE FOR CLIMB GRADIENT AND CLIMB-TO ALTITUDE.					
15. ADDED CONTROLLING OBSTACLES FOR KAUS AND KGTU - IAW FAAO 8260.46F, APPENDIX E, PARA 8A.					
16. AMENDED REFERENCE MAGVAR FROM KAUS 6E, EPOCH YEAR 2000 TO KAUS 4E, EPOCH YEAR 2020 IN ADDITIONAL FLIGHT DATA - MATCH PENDING AIRNAV MAGVAR ASSIGNMENT FOR KAUS.					
17. REMOVED PILOT NAVIGATION AREA DATA FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED, 8260.58A OPEN SID CRITERIA USED.					
18. DELETED CHART MEA/MOCA FROM WLMRT TO ELOEL 6000/4100 FROM ADDITIONAL FLIGHT DATA - NO LONGER DOCUMENTED IAW FAAO 8260.46F. REPLACED BY CROSSING RESTRICTION AT GARDS.					
19. ADDED CHART: MINIMUM CROSSING ALTITUDE AT WLMRT - 5000 - IAW FAAO 8260.46F, APPENDIX E, PARA 10C.					
20. ADDED ABILENE TRANSITION - ATC REQUEST.					
21. AMENDED MEA AND MOCA FROM ELOEL TO FORSS FROM 9500/2600 TO 10500/2700 AND MEA FROM ELOEL TO KLNGR FROM 10000 TO 10500 - MEAS REFLECT NEW RNAV PRO RUNS BASED ON VOR MON ESTIMATE.					





**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
ELOEL							TWO	ELOEL2.ELOEL	ONE	03/05/2015	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
WLMRT	304426.82N/0975133.59W	Y	-	IF	-	-	AT/ABOVE 5000				
ELOEL	305419.31N/0975514.06W	Y	FB	TF	342.21	10.35					
ELOEL	305419.31N/0975514.06W	Y	-	IF	-	-			ELOEL2.ABI		
FORSS	311019.88N/0980439.86W	Y	FB	TF	333.15	17.91					
ABI VORTAC	322852.78N/0995148.45W	Y	FB	TF	311.12	120.31					
ELOEL	305419.31N/0975514.06W	Y	-	IF	-	-			ELOEL2.FORSS		
FORSS	311019.88N/0980439.86W	Y	FB	TF	333.15	17.91					
ELOEL	305419.31N/0975514.06W	Y	-	IF	-	-			ELOEL2.KLNGR		
KLNGR	311324.79N/0980219.85W	Y	FB	TF	342.29	20.00					

QUALITY  
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CHECKED