

**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SUPERSEDED NUMBER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>ACTUAL EFFECTIVE DATE</u>
SWTSR	SEVEN	SWTSR7.SWTSR	SIX	11/05/2020	25 JAN 2024

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 13L: CLIMB ON HEADING 132.63 TO 1000, THENCE...

TAKEOFF RWY 13R: CLIMB ON HEADING 132.62 TO 1000, THENCE...

...DIRECT TO CROSS DRESET AT OR BELOW 6000, THEN ON TRACK 132.66 TO CROSS HAYZZ AT OR ABOVE 6000, THEN ON TRACK 131.95 TO CROSS SHRAM BETWEEN 7000 AND 8000, THEN ON TRACK 088.32 TO LNDRE, THEN ON TRACK 014.14 TO SWTSR, THEN ON TRANSITION. MAINTAIN 8000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TAKEOFF RWY 31L: CLIMB ON HEADING 312.63 TO 1000, THEN DIRECT TO CROSS FLOWT AT OR ABOVE 2700, THEN ON TRACK 010.00 TO DRNEN, THEN ON TRACK 010.00, THENCE...

TAKEOFF RWY 31R: CLIMB ON HEADING 312.64 TO 1000, THEN DIRECT TO CROSS BARYY AT OR ABOVE 2700, THEN ON TRACK 010.00 TO KRENR, THEN ON TRACK 010.00, THENCE...

...FOR VECTORS TO CROSS SHRAM BETWEEN 7000 AND 8000, THEN ON TRACK 088.32 TO LNDRE, THEN ON TRACK 014.14 TO SWTSR, THEN ON TRANSITION. MAINTAIN 8000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

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>
ARDMORE	SWTSR7.ADM	SWTSR	LOWGN	TRACK 311.81	53.97	7000	2700	
		LOWGN	ADM VORTAC	TRACK 002.09	45.75	11000	2600	
BLECO	SWTSR7.BLECO	SWTSR	BLECO	TRACK 317.58	49.17	7000	2700	
EAKER	SWTSR7.EAKER	SWTSR	GRABE	TRACK 324.92	44.84	7000	2700	
		GRABE	EAKER	TRACK 015.12	54.60	10000	3800	
GRABE	SWTSR7.GRABE	SWTSR	GRABE	TRACK 324.92	44.84	7000	2700	
WILL ROGERS	SWTSR7.IRW	SWTSR	BLECO	TRACK 317.58	49.17	7000	2700	
		BLECO	ZEMMA	TRACK 003.04	56.20	11000	3100	
		ZEMMA	IRW VORTAC	TRACK 329.54	65.91	11000	2900	
MC ALESTER	SWTSR7.MLC	SWTSR	AKUNA	TRACK 333.02	41.50	7000	2700	
		AKUNA	TIKYS	TRACK 025.19	41.90	10000	3800	
		TIKYS	MLC TACAN	TRACK 031.08	56.73	10000	2600	

QUALITY
8
CHECKED

<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>	
SWTSR		SEVEN	SWTSR7.SWTSR	SIX	11/05/2020	25 JAN 2024	
OKMULGEE	SWTSR7.OKM	SWTSR	GRABE	TRACK 324.92	44.84	7000	2700
		GRABE	EAKER	TRACK 015.12	54.60	10000	3800
		EAKER	OKM VOR/DME	TRACK 021.06	90.40	10000	3400
ROLLS	SWTSR7.ROLLS	SWTSR	LOWGN	TRACK 311.81	53.97	7000	2700
		LOWGN	ADM VORTAC	TRACK 002.09	45.75	11000	2600
		ADM VORTAC	MRMAC	TRACK 306.22	60.00	11000	2900
		MRMAC	ROLLS	TRACK 305.69	85.20	11000	4500
TIKYS	SWTSR7.TIKYS	SWTSR	AKUNA	TRACK 333.02	41.50	7000	2700
		AKUNA	TIKYS	TRACK 025.19	41.90	10000	3800
TULSA	SWTSR7.TUL	SWTSR	BLECO	TRACK 317.58	49.17	7000	2700
		BLECO	ZEMMA	TRACK 003.04	56.20	11000	3100
		ZEMMA	TUL VORTAC	TRACK 025.19	123.58	11000	3000
ZEMMA	SWTSR7.ZEMMA	SWTSR	BLECO	TRACK 317.58	49.17	7000	2700
		BLECO	ZEMMA	TRACK 003.04	56.20	11000	3100

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS REQUIRED.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.

NOTE: PROPS FILE AND EXPECT TEXOMA DEPARTURE.

NOTE: EAKER TRANSITION FOR AIRCRAFT INBOUND TO TULSA TERMINAL AREA.

NOTE: AIRCRAFT INBOUND OKLAHOMA CITY TERMINAL AREA FILE AND EXPECT THE ZEMMA TRANSITION.

NOTE: OKMULGEE TRANSITION FOR AIRCRAFT OVERFLYING THE OKM VOR/DME PROCEEDING ON J181 TO BDF TO DESTINATIONS IN THE CHICAGO TERMINAL AREA AND NORTH.

NOTE: ROLLS TRANSITION FOR AIRCRAFT PROCEEDING NORTHWESTBOUND ON J52.

NOTE: TULSA TRANSITION FOR AIRCRAFT OVERFLYING TUL VORTAC.

NOTE: WILL ROGERS TRANSITION FOR AIRCRAFT OVERFLYING THE IRW VORTAC.

NOTE: USE THE TEXOMA DEPARTURE DURING THE PERIOD 2100-0600 LOCAL TIME IN LIEU OF THE SWTSR DEPARTURE.

NOTE: DO NOT FILE BLECO TRANSITION: TO BE ASSIGNED BY ATC.

NOTE: DO NOT FILE GRABE TRANSITION: TO BE ASSIGNED BY ATC.



DP NAME

SWTSR

NUMBER

SEVEN

DP COMPUTER CODE

SWTSR7.SWTSR

SUPERSEDED NUMBER

SIX

DATED

11/05/2020

ACTUAL EFFECTIVE DATE**25 JAN 2024****TAKEOFF MINIMUMS:**

RWY 13L: STANDARD WITH MINIMUM CLIMB OF 262 FT PER NM TO 1600.

RWY 13R: STANDARD WITH MINIMUM CLIMB OF 315 FT PER NM TO 1700.

RWY 31L, 31R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1000.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:**RWY 13R:** 1368 FT MSL BUILDING 324648.00N/0964814.00W.**RWY 13L:** 1282 FT MSL BUILDING 324653.00N/0964807.00W.**MSA:**

MSA FROM KDAL 3600.

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: 8000.

AIRPORT MV: DAL 3E/2020.

DME/DME ASSESSMENT: SAT (RNP 2.0).

CHART: MINIMUM CROSSING ALTITUDE AT SWTSR-7000.

AIRPORTS SERVED:**AIRPORT ID**

KDAL

CITY

DALLAS

STATE

TX

COMMUNICATIONS:

CHART: ATIS, CLNC DEL, GND CON, TWR, CPDLC

FIXES AND/OR NAVAIDS:**REMARKS:**

LNAV ENGAGEMENT 500 FT/NM TO 1000 FEET WAS USED IN CONSTRUCTION FOR RUNWAYS 31L, 31R TO ALLOW THE VA/DF CONFIGURATION ENDING AT FLOWT/BARYY. WITHOUT THE CLIMB GRADIENT, THE VA/DF IS NOT ALLOWED THUS RESULTING IN A DTA THAT IS NOT EXECUTABLE FROM THE CLIMB ALTITUDE TURN ARCS.

100 FT VEGETATION USED PER FPT.

ENVIRONMENTAL REVIEW COMPLETE.

NOISE SCREEN COMPLETE.

APPROVAL LETTERS ON FILE FOR CLIMB GRADIENT GREATER THAN 500 FT/NM TO MEET HAYZZ, FLOWT, BARYY ALTITUDE RESTRICTIONS.

ATC HAS APPROVED A COURSE CHANGE OF 45 DEGREES TO BE USED AT THE IDF IN LIEU OF 90 DEGREES (BELOW FL195) AND 70 DEGREES (AT OR ABOVE FL195).

USER DEFINED TAILWIND COMPONET WAS USED FOR FIXS BARRY, FLOWT, LNDRE, AND SWTSR. (HISTORICAL TAILWIND 2017-2021).

MEAS ARE BASED ON LOWEST NAVIGATION RECEPTION ALTITUDE TO REMARKS.



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SWTSR	SEVEN	SWTSR7.SWTSR	SIX	11/05/2020	25 JAN 2024

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
RUSSEL ROSLEWSKI	<i>Digitally signed by</i> CASIMIR L TABAKA Dec 15, 2023	FPO	12/14/2023

<u>DEVELOPED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
KEEFER, JOHN	<i>Digitally signed by</i> CASIMIR L TABAKA Jun 21, 2023	AJV-A432	05/05/2023

<u>APPROVED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
TABAKA, CASIMIR	<i>Digitally signed by</i> CASIMIR L TABAKA	AJV-A430		MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE Jun 21, 2023

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZFW ARTCC, REGIONAL DEP CON, DAL ATCT, AMGR.

CHANGES - REASONS:

1. DP ROUTE DESCRIPTION TAKEOFF RWY 13L CHANGED FROM CLIMB ON HEADING 132.64 TO CLIMB ON HEADING 132.63. - NEW SURVEY
2. RWY 31L/31R ROUTE DESCRIPTION SHRAM ALTITUDE CHANGED FROM CROSSING AT OR ABOVE 7000 TO CROSSING BETWEEN 7000 AND 8000. - FPT/ATC DIRECTED.
3. DP ROUTE DESCRIPTION FOR RWY 31L AND 31R CHANGED FROM CLIMB ON HEADING 312.63 AND 312.65 TO 2700 THENCE.....RIGHT TURN HEADING 013.00 OR AS ASSIGNED BY ATC, MAINTAIN 3000, EXPECT RADAR VECTORS TO CROSS SHRAM AT OR ABOVE 7000, THEN ON TRACK 088.32 TO LNDRE, THEN ON TRACK 014.14 TO SWTSR, THEN ON (TRANSITION). EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE TO TAKEOFF RWY 31L: CLIMB ON HEADING 312.63 TO 1000, THEN DIRECT TO CROSS FLOWT AT OR ABOVE 2700, THEN ON TRACK 010.00 TO DRNEN, THEN ON TRACK 010.00, THENCE..., TAKEOFF RWY 31R: CLIMB ON HEADING 312.64 TO 1000, THEN DIRECT TO CROSS BARYY AT OR ABOVE 2700, THEN ON TRACK 010.00 TO KRENH, THEN ON TRACK 010.00, THENCE.....FOR VECTORS TO CROSS SHRAM BETWEEN 7000 AND 8000, THEN ON TRACK 088.32 TO LNDRE, THEN ON TRACK 014.14 TO SWTSR, THEN ON TRANSITION. MAINTAIN 8000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE. - FPT/ATC DIRECTED.
4. MEA SWTSR TO LOWGN, SWTSR TO BLECO, SWTSR TO AKUNA CHANGED FROM FL 180 TO 7000. - NEW COMMUNICATION-NAVIGATION RECEPTION EVALUATION/8260.3E COMPLIANCE.
5. MEA MRMAC TO ROLLS, ZEMMA TO IRW CHANGED FROM FL 180 TO 11000. - NEW COMMUNICATION-NAVIGATION RECEPTION EVALUATION/8260.3E COMPLIANCE.
6. MEA GRABE TO EAKER, EAKER TO OKM, AKUNA TO TIKYS, TIKYS TO MLC CHANGED FROM FL 180 TO 10000. - NEW COMMUNICATION-NAVIGATION RECEPTION EVALUATION/8260.3E COMPLIANCE.
7. MEA/MOCA LOWGN TO ADM CHANGED FROM FL 180/2500 TO 11000/2600. - NEW COMMUNICATION-NAVIGATION RECEPTION/TARGETS EVALUATIONS/8260.3E COMPLIANCE.
8. MEA/MOCA ADM TO MRMAC CHANGED FROM FL 180/2800 TO 11000/2900. - NEW COMMUNICATION-NAVIGATION RECEPTION/TARGETS EVALUATIONS/8260.3E COMPLIANCE.
9. MEA/MOCA BLECO TO ZEMMA CHANGED FROM FL 180/3700 TO 11000/3100. - NEW COMMUNICATION-NAVIGATION RECEPTION/TARGETS EVALUATIONS/8260.3E COMPLIANCE.
10. MEA/MOCA ZEMMA TO TUL CHANGED FROM FL 180/2900 TO 11000/3000. - NEW COMMUNICATION-NAVIGATION RECEPTION/TARGETS EVALUATIONS/8260.3E COMPLIANCE.
11. MEA/MOCA SWTSR TO GRABE CHANGED FROM FL 180/2600 TO 7000/2700. - NEW COMMUNICATION-NAVIGATION RECEPTION/TARGETS EVALUATIONS/8260.3E COMPLIANCE.
12. RADAR REQUIRED WAS MOVED FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES. - 8260.46J COMPLIANCE.
13. DME/DME/IRU OR GPS REQUIRED AND RNAV 1 NOTES WERE MOVED FROM PROCEDURAL DATA NOTES AND WERE COMBINED TO RNAV 1 - DME/DME/IRU OR GPS REQUIRED IN PBN REQUIREMENT NOTES. - PER 8260-46J COMPLIANCE.
14. TAKEOFF MINIMUMS RWY 13L CHANGED FROM 500 FT PER NM TO 1200 TO MINIMUM CLIMB OF 262 FT PER NM TO 1600. - LNAV ENGAGEMENT CLIMB GRADIENT REMOVED IAW 8260.46J/8260.58B CRITERIA AS AN EARLY TURN TO SHORTEN THE ICA IS NOT NECESSARY.
15. TAKEOFF MINIMUMS RWY 13R CHANGED FROM 500 FT PER NM TO 1200 TO MINIMUM CLIMB OF 315 FT PER NM TO 1700. - LNAV ENGAGEMENT CLIMB GRADIENT REMOVED IAW 8260.46J/8260.58B CRITERIA AS AN EARLY TURN TO SHORTEN THE ICA IS NOT NECESSARY.
16. CONTROLLING OBSTACLE RWY 13L CHANGED FROM 1368 FT MSL ANTENNA 324648.00N/0964814.00W TO 1282 FT MSL BUILDING 324653.00N/0964807.00W. - NEW OBSTACLE CHANGED FROM ANTENNA TO BUILDING IN DATABASE.
17. ADDITIONAL FLIGHT DATA REFERENCE MAG VAR: KDAL 3E EPOCH YR: 2020 CHANGED TO AIRPORT MV: DAL 3E/2020. - 8260-46J COMPLIANCE.
18. PILOT NAVIGATION AREA REMOVED FROM ADDITIONAL FLIGHT DATA. - 8260.46J COMPLIANCE.
19. ADDED MSA FROM KDAL 3600 IN MSA. - 8260.46J COMPLIANCE.
20. REGIONAL DEP CON REMOVED FROM COMMUNICATIONS. - IT WILL CHART AUTOMATICALLY PER 8260.46J
21. ADDED LNAV ENGAGEMENT STATEMENT TO REMARKS. - TO ADVISE WHY THE 500 FT PER/NM TO 1000 WAS USED FOR RWY 31L/31R.
22. ADDED VEGETATION HEIGHT 100 FEET TO REMARKS. - PER FPT.
23. ADDED NOISE SCREEN AND ENVIRONMENTAL REVIEW TO REMARKS. - 8260.46J COMPLIANCE.
24. ADDED APPROVAL LETTERS ON FILE FOR CLIMB GRADIENT TO REMARKS. - ADVISORY THAT APPROVAL WAS RECEIVED FOR CLIMB GRADIENT.



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SWTSR	SEVEN	SWTSR7.SWTSR	SIX	11/05/2020	25 JAN 2024

25. ADDED ATC HAS APPROVED A COURSE CHANGE OF 45 DEGREES TO BE USED AT THE IDF IN LIEU OF 90 DEGREES (BELOW FL195) AND 70 DEGREES (AT OR ABOVE FL195) TO REMARKS. - ADVISORY FOR DEPARTURE CONSTRUCTION/8260.46J COMPLIANCE.

26. REMOVED CHART: MEA/MOCA SHRAM TO LNDRE, 8300/2100. MEA/MOCA FROM LNDRE SWTSR, 10000/1900 FROM ADDITIONAL FLIGHT DATA. - MEA/MOCA NOT CHARTED PER COMMON ROUTE.

27. DO NOT FILE BLECO TRANSITION: TO BE ASSIGNED BY ATC. ADDED TO PROCEDURAL DATA NOTES. - FPT/ATC REQUEST.

28. DO NOT FILE GRABE TRANSITION: TO BE ASSIGNED BY ATC. ADDED TO PROCEDURAL DATA NOTES. - FPT/ATC REQUEST.

29. USER DEFINED TAILWIND COMPONENT WAS USED FOR FIXS BARRY, FLOWT, LNDRE, AND SWTSR. (HISTORICAL TAILWIND 2017-2021). - ADVISORY OF DEPARTURE CONSTRUCTION.

30. ADDED MEAS ARE BASED ON LOWEST NAVIGATION RECEPTION ALTITUDE TO REMARKS. - 8260.3E COMPLIANCE.

31. PILOT NAVIGATION AREA REMOVED FROM ADDITIONAL FLIGHT DATA. - PILOT NAVIGATION AREA REMOVED FROM CRITERIA.

32. ADDED CHART: MINIMUM CROSSING ALTITUDE SWTSR-7000 TO ADDITIONAL FLIGHT DATA. - PER 8260.46J COMPLIANCE.

33. CHANGED LOVE TWR TO TWR IN COMMUNICATIONS. - SID SERVES ONE AIRPORT.



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
SWTSR						SEVEN	SWTSR7.SWTSR	SIX	11/05/2020	25 JAN 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW13L (AER)*	325123.36N/0965121.20W	N	-	-	-	-			*DISPL THLD (399 FT)	
1000 MSL	-	-	-	VA	135.63	-	AT/ABOVE 1000		CG 262 FT PER NM TO 1600	
DRSET	324536.47N/0964505.03W	Y	FB	DF	-	-	AT/BELOW 6000			
HAYZZ	324243.89N/0964145.62W	Y	FB	TF	135.66	4.01	AT/ABOVE 6000			
SHRAM	324059.89N/0963942.44W	Y	FB	TF	134.95	2.45	7000B8000			
RW13R (AER)*	325101.28N/0965144.42W	N	-	-	-	-			*DISPL THLD (489 FT)	
1000 MSL		-	-	VA	135.62	-	AT/ABOVE 1000		CG 315 FT PER NM TO 1700	
DRSET	324536.47N/0964505.03W	Y	FB	DF	-	-	AT/BELOW 6000			
HAYZZ	324243.89N/0964145.62W	Y	FB	TF	135.66	4.01	AT/ABOVE 6000			
SHRAM	324059.89N/0963942.44W	Y	FB	TF	134.95	2.45	7000B8000			
RW31L (AER)	325002.50N/0965036.30W	N	-	-	-	-				
1000 MSL	-			VA	315.63	-	AT ABOVE 1000		CG 500 FT PER NM TO 1000	
FLOWT	325409.84N/0965522.97W	Y	FB	DF	-	-	AT/ABOVE 2700			
DRNEN	325606.99N/0965450.90W	Y	FO	TF	013.00	2.00				
DRNEN	325606.99N/0965450.90W	-	-	FM	013.00	-				
RW31R (AER)	325031.36N/0965020.95W	N	-	-	-	-				
1000 MSL		-	-	VA	315.64	-	AT/ABOVE 1000		CG 500 FT PER NM TO 1000	
BARYY	325433.01N/0965504.40W	Y	FB	DF	-	2.00	AT/ABOVE 2700			
KRENR	325630.16N/0965432.32W	Y	FO	TF	13.00	-				

QUALITY 8

QUALITY
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DP NAME		NUMBER					DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
SWTSR		SEVEN					SWTSR7.SWTSR		SIX		11/05/2020		25 JAN 2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS					
KRENR	325630.16N/0965432.32W	-	-	FM	13.00	-								
SHRAM	324059.89N/0963942.44W	Y	-	IF	-	-	7000B8000							
LNDRE	324050.94N/0963214.09W	Y	FB	TF	091.32	6.31								
SWTSR	324904.80N/0962913.74W	Y	FB	TF	017.14	8.60	AT/ABOVE 7000							
TRANSITIONS														
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.ADM					
LOWGN	332702.70N/0971459.29W	Y	FB	TF	314.81	53.97								
ADM VORTAC	341241.71N/0971005.62W	Y	FB	TF	005.09	45.75								
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.BLECO					
BLECO	332702.70N/0970632.59W	Y	FB	TF	320.58	49.17								
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.EAKER					
GRABE	332705.25N/0965741.50W	Y	FB	TF	327.92	44.84								
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60								
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.GRABE					
GRABE	332705.25N/0965741.50W	Y	FB	TF	327.92	44.84								

QUALITY
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DP NAME				NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE	
SWTSR				SEVEN	SWTSR7.SWTSR	SIX	11/05/2020	25 JAN 2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.IRW
BLECO	332702.70N/0970632.59W	Y	FB	TF	320.58	49.17			
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20			
IRW VORTAC	352130.95N/0973633.22W	Y	FB	TF	332.54	65.91			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.MLC
AKUNA	332702.48N/0964923.30W	Y	FB	TF	336.02	41.50			
TIKYS	340359.93N/0962533.53W	Y	FB	TF	028.19	41.90			
MLC TACAN	345057.99N/0954656.44W	Y	FB	TF	034.08	56.73			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.OKM
GRABE	332705.25N/0965741.50W	Y	FB	TF	327.92	44.84			
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60			
OKM VOR/DME	354135.07N/0955157.44W	Y	FB	TF	024.06	90.40			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.ROLLS
LOWGN	332702.70N/0971459.29W	Y	FB	TF	314.81	53.97			
ADM VORTAC	341241.71N/0971005.62W	Y	FB	TF	005.09	45.75			
MRMAC	345028.82N/0980634.32W	Y	FB	TF	309.22	60.00			
ROLLS	354321.88N/0992814.51W	Y	FB	TF	308.69	85.20			
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.TIKYS
AKUNA	332702.48N/0964923.30W	Y	FB	TF	336.02	41.50			
TIKYS	340359.93N/0962533.53W	Y	FB	TF	028.19	41.90			

QUALITY

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QUALITY
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NFDD No. 243							12/20/2023		39		
<u>DP NAME</u>							<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SWTSR							SEVEN	SWTSR7.SWTSR	SIX	11/05/2020	25 JAN 2024
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>		
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.TUL		
BLECO	332702.70N/0970632.59W	Y	FB	TF	320.58	49.17					
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20					
TUL VORTAC	361146.51N/0954717.13W	Y	FB	TF	028.19	123.58					
SWTSR	324904.80N/0962913.74W	Y	-	IF	-	-			SWTSR7.ZEMMA		
BLECO	332702.70N/0970632.59W	Y	FB	TF	320.58	49.17					
ZEMMA	342301.81N/0965924.01W	Y	FB	TF	006.04	56.20					

