

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>		
DFW	ILS Z OR LOC Z RWY 13R ILS Z RWY 13R (SA CAT I) ILS Z RWY 13R (SA CAT II)	9C	DALLAS-FORT WORTH	TX		
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
606	591	ILS OR LOC RWY 13R ILS RWY 13R (SA CAT I) ILS RWY 13R (SA CAT II)	9B	08/15/2019	4E	2010
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>		
I-LWN			ROUTINE			

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
MORRY/I-LWN 14.00 DME/RADAR	IF	POPPA/I-LWN 9.10 DME/RADAR					135.04 (I-LWN)	4.90	3000
POPPA/I-LWN 9.10 DME/RADAR		HODAX/I-LWN 6.88 DME/RADAR					135.04 (I-LWN)	2.22	2300

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.19 NM AFTER HODAX/6.88 DME/RADAR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1560 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 230 AND TTT VOR/DME R-275 TO SLOTT INT/TTT 35.62 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1560 THEN CLIMBING RIGHT TURN TO 3000 DIRECT FUZ VORTAC AND FUZ VORTAC R-275 TO SLOTT INT/FUZ 28.50 DME AND HOLD.

PROFILE:

- PT
- SIDE OF COURSE
- OUTBOUND
- FT WITHIN
- MILES OF (IAF)
- PROFILE STARTS AT MORRY/I-LWN 14.00 DME/RADAR
- FAC: 135.04 FAF: HODAX/I-LWN 6.88 DME/RADAR DIST FAF TO MAP: 5.19 DIST FAF TO THLD: 5.19
- MIN ALT: MORRY/I-LWN 14.00 DME/RADAR 3000, POPPA/I-LWN 9.10 DME/RADAR 3000, HODAX/I-LWN 6.88 DME/RADAR 2300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 1813 GS ANT: 1080
- MIN GS INCPT: 2300 GS ALT AT PFAF: HODAX/I-LWN 6.88 DME/RADAR 2300 OM: MM: IM:
- GS ANGLE: 3.00 34:1: 20:1: TCH: 55.0
- MSA FROM: TTT VOR/DME 090-270 3600, 270-090 2700



EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.
DME OR RADAR REQUIRED FOR LOC ONLY.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 13R: CAT A, B, C, D, RA 149, RVR 1400, HAT 150, DA 741 MSL
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 13R: CAT A, B, C, D, RA 99, RVR 1200, HAT 100, DA 691 MSL
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

ADDITIONAL FLIGHT DATA:

CHART UKW R-166 AT SLOTT.
CHART RANGER (FUZ) VORTAC.
HOLD E, RT, 274.96 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E SLOTT INT/FUZ 28.50 DME, RT, 275.16 INBOUND.
FAS OBST: 879 AAO 325654N/0970811W.
CHART IN PLANVIEW: SLOTT INT/FUZ 28.50 DME.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 13R	791	1800	200	791	1800	200	791	1800	200	791	1800	200			
S-LOC 13R	1240	2400	649	1240	2400	649	1240	1 3/8	649	1240	1 3/8	649			

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM "ILS OR LOC RWY 13R, ILS RWY 13R SA CAT I, ILS RWY 13R SA CAT II" TO "ILS Z OR LOC Z RWY 13R, ILS Z RWY 13R (SA CAT I), ILS Z RWY 13R (CAT II)" - IAW 8260.3E PARA 1-6-2.D AND TO ENABLE CODING OF ILS V RWY 13R (CONVERGING).
2. AIRPORT ELEVATION CHANGED FROM 607 TO 606 - NEW AIRNAV DATA.

12/31/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/16/24.
1. CORRECTED PROCEDURE NAME FROM ILS Z RWY 13R (CAT II) TO ILS Z RWY 13R (SA CAT II).



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

<u>AIRPORT ID</u> DFW	<u>PROCEDURE NAME</u> ILS Z OR LOC Z RWY 13R ILS Z RWY 13R (SA CAT I) ILS Z RWY 13R (SA CAT II)	<u>AMDT NO.</u> 9C	<u>CITY</u> DALLAS-FORT WORTH	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 606	<u>FACILITY</u> I-LWN
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PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

<u>FROM</u> MORRY/I-LWN 14.00 DME/RADAR	<u>TO</u> POPPA/I-LWN 9.10 DME/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 4.90	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1. TOWER (48-001666)	330144.87N/0971804.59W	993	20	3	1A	500				AT1507	3000
2. TERRAIN	330542.00N/0971206.00W	749 (700)								AS1500	2200

COMPUTATIONS

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

INTERMEDIATE: STEPDOWN

<u>FROM</u> POPPA/I-LWN 9.10 DME/RADAR	<u>TO</u> HODAX/I-LWN 6.88 DME/RADAR
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<u>RNP</u>	<u>DISTANCE</u> 2.22	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3. TOWER (48-005941)	325909.00N/0970927.00W	911	500	50	5D	500				AT889	2300
4. TERRAIN	325842.00N/0971121.00W	709 (700)								AS1500	2200

COMPUTATIONS

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

QUALITY
29
CHECKED

FINAL: ILS

FROM

HODAX/I-LWN 6.88 DME/RADAR

TO

RW13R

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		5.19		DA			200				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				791

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

HODAX/I-LWN 6.88 DME/RADAR

TO

5.19 NM AFTER HODAX/6.88 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	3.44		5.19 NM AFTER HODAX/6.88 DME/RADAR				649				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5. AAO	325654.25N/0970811.44W	879	50	20	2C	250				DG111	1240

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS SA CAT I

FROM

HODAX/I-LWN 6.88 DME/RADAR

TO

RW13R

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		5.19		DA			150				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				741

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS SA CAT II

FROM

HODAX/I-LWN 6.88 DME/RADAR

TO

RW13R

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.19		DA				100				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				691

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM

DA

TO

SLOTT INT/FUZ 28.50 DME

RNP	DISTANCE	PAT	MAP			HAT	HMAS				
								623			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
6. AAO	325427.00N/0974303.00W	1447				1000					2500
7. TERRAIN	325427.00N/0974303.00W	1247 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

5.19 NM AFTER HODAX/6.88 DME/RADAR

TO

SLOTT INT/FUZ 28.50 DME

RNP	DISTANCE	PAT	MAP			HAT	HMAS				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
6. AAO	325427.00N/0974303.00W	1447				1000					2500
7. TERRAIN	325427.00N/0974303.00W	1247 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS SA CAT I

FROM

DA

TO

SLOTT INT/FUZ 28.50 DME

RNP	DISTANCE	PAT	MAP			HAT	HMAS				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
6. AAO	325427.00N/0974303.00W	1447				1000					2500
7. TERRAIN	325427.00N/0974303.00W	1247 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS SA CAT II

FROM

DA

TO

SLOTT INT/FUZ 28.50 DME

RNP	DISTANCE	PAT	MAP			HAT	HMAS				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
6. AAO	325427.00N/0974303.00W	1447				1000					2500
7. TERRAIN	325427.00N/0974303.00W	1247 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS

FROM

DA

TO

SLOTT INT/FUZ 28.50 DME

RNP	DISTANCE	PAT	MAP				HAT	HMAS			
								623			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
6. AAO	325427.00N/0974303.00W	1447	164	98	4E	1000					2500
7. TERRAIN	325427.00N/0974303.00W	1247 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: LOC

FROM

5.19 NM AFTER HODAX/6.88 DME/RADAR

TO

SLOTT INT/FUZ 28.50 DME

RNP	DISTANCE	PAT	MAP				HAT	HMAS			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
6. AAO	325427.00N/0974303.00W	1447	164	98	4E	1000					2500
7. TERRAIN	325427.00N/0974303.00W	1247 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS SA CAT I

FROM

DA

TO

SLOTT INT/FUZ 28.50 DME

RNP	DISTANCE	PAT	MAP				HAT	HMAS			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
6. AAO	325427.00N/0974303.00W	1447	164	98	4E	1000					2500
7. TERRAIN	325427.00N/0974303.00W	1247 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS SA CAT II

FROM

DA

TO

SLOTT INT/FUZ 28.50 DME

RNP	DISTANCE	PAT	MAP				HAT	HMAS			
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
6. AAO	325427.00N/0974303.00W	1447	164	98	4E	1000					2500
7. TERRAIN	325427.00N/0974303.00W	1247 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MSA

CENTER

TTT VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
090-270	TWR (48-008489)	323502.67N/0965748.75W	161	17.5	2549	50	20	2C	1000			3600
270-090	TWR (48-012293)	331942.42N/0970357.04W	351	27.5	1658	500	50	5D	1000			2700

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

NO IAF ESTABLISHED PER ATC REQUEST, INITIAL SEGMENT PER MVA. RADAR REQUIRED.

CIRCLING NOT ESTABLISHED PER FPT REQUEST.

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS
HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - SUITABLE DME NOT AVAILABLE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CONTINGENCY BACKUP ALSTG SOURCE NOT ESTABLISHED PER DFW FPO. REDUNDENT SYSTEMS AVAILABLE.
NO VEGETATION ADDED DUE TO FPT REQUEST.

PART D: AIRSPACE

DOCKET #

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

DISTANCE FROM	THLD	TO 1000FT POINT	3.31
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.94
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	139.04
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	686
DISTANCE FROM	THLD	TO 1500FT POINT	
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	4.99
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	1.30
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	686

THRESHOLD COORDINATES (IF STR-IN) 325434.47N/0970459.28W
ARP COORDINATES 325350.04N/0970215.70W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 13R DISTANCE 2.41 NM
FAF COORDINATES 325830.21N/0970902.13W
FIX NAME COORDINATES

REMARKS

<u>AIRPORT ID</u> DFW	<u>PROCEDURE NAME</u> ILS Z OR LOC Z RWY 13R ILS Z RWY 13R (SA CAT I) ILS Z RWY 13R (SA CAT II)	<u>AMDT NO.</u> 9C	<u>CITY</u> DALLAS-FORT WORTH	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 606	<u>FACILITY</u> I-LWN
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PART E: PREPARED BY

<u>NAME</u> WILLIAM D. MELTON	<u>OFFICE</u> AJV-A423	<u>DATE</u> 05/10/2024	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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