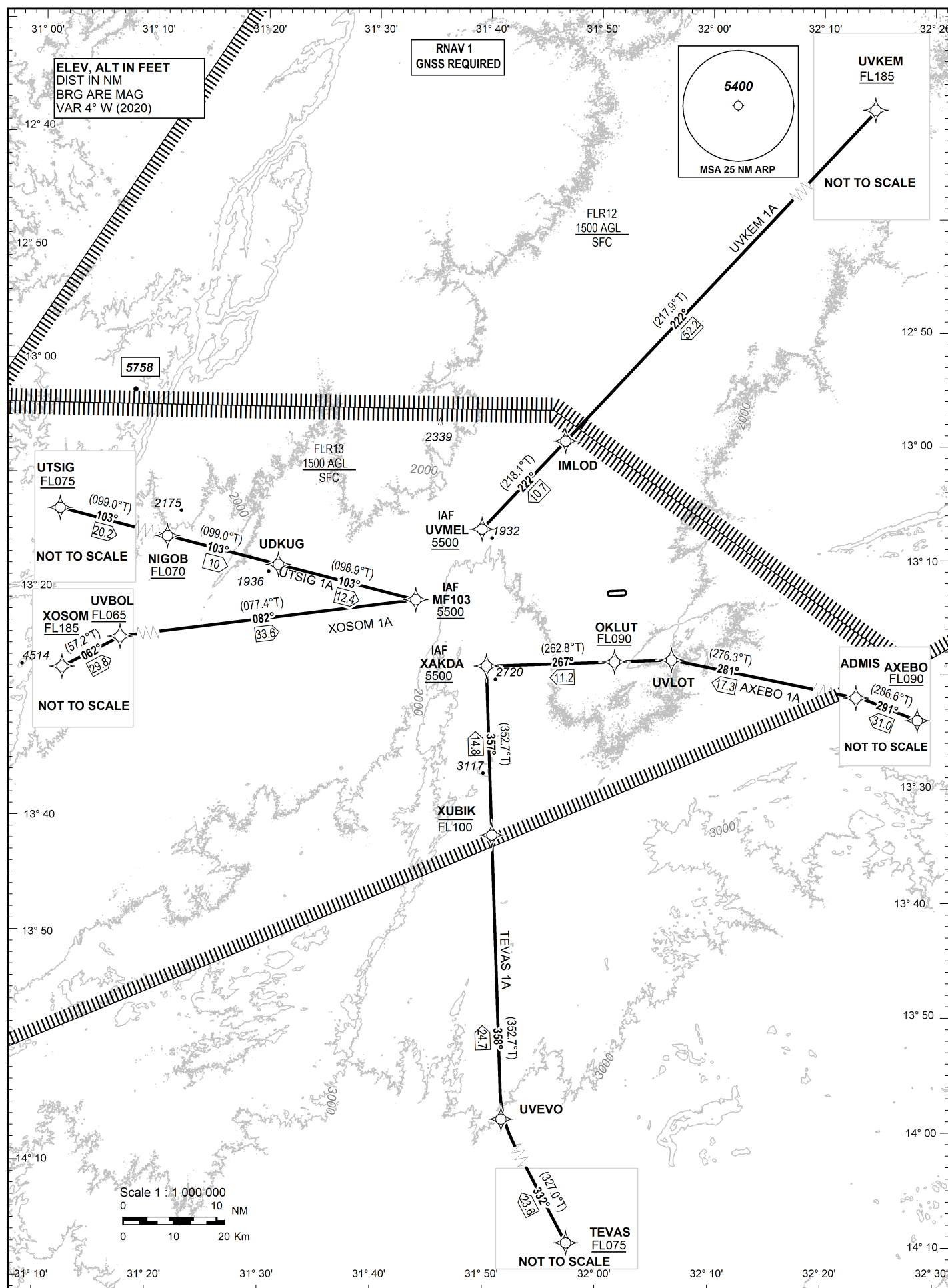


**MFUWE/Mfuwe  
(FLMF)  
RNAV STAR RWY 09**

AXEBO 1A, TEVAS 1A, UTSIG 1A, UVKEM 1A, XOSOM 1A



STANDARD ARRIVAL CHART -  
INSTRUMENT (STAR) - ICAO

MFUWE/Mfuwe  
(FLMF)  
RNAV STAR RWY 09  
AXEBO 1A, TEVAS 1A, UTSIG 1A, UVKEM 1A, XOSOM 1A

TABULAR DESCRIPTION

RNAV STAR RWY 09  
AXEBO 1A

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	AXEBO	-	-	-	-	-	+FL090	-	-	-	RNAV 1
020	TF	ADMIS	-	291 (286.6)	-	31.0	-	-	-	-	-	RNAV 1
030	TF	UVLOT	-	281 (276.3)	-	17.3	-	-	-	-	-	RNAV 1
040	TF	OKLUT	-	267 (262.7)	-	5.0	-	+FL090	-	-	-	RNAV 1
050	TF	XAKDA	-	267 (262.8)	-	11.2	-	+5500	-	-	-	RNAV 1

TEVAS 1A

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	TEVAS	-	-	-	-	-	+FL075	-	-	-	RNAV 1
020	TF	UVEVO	-	332 (327.0)	-	23.6	-	-	-	-	-	RNAV 1
030	TF	XUBIK	-	358 (352.7)	-	24.7	-	-FL100	-	-	-	RNAV 1
040	TF	XAKDA	-	357 (352.7)	-	14.8	-	+5500	-	-	-	RNAV 1

UTSIG 1A

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	UTSIG	-	-	-	-	-	+FL075	-	-	-	RNAV 1
020	TF	NIGOB	-	103 (099.0)	-	20.2	-	+FL070	-	-	-	RNAV 1
030	TF	UDKUG	-	103 (099.0)	-	10.0	-	-	-	-	-	RNAV 1
040	TF	MF103	-	103 (098.9)	-	12.4	-	+5500	-	-	-	RNAV 1

UVKEM 1A

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	UVKEM	-	-	-	-	-	+FL185	-	-	-	RNAV 1
020	TF	IMLOD	-	222 (217.9)	-	52.2	-	-	-	-	-	RNAV 1
030	TF	UVMEL	-	222 (218.1)	-	10.7	-	+5500	-	-	-	RNAV 1

XOSOM 1A

Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	XOSOM	-	-	-	-	-	+FL185	-	-	-	RNAV 1
020	TF	UVBOL	-	062 (057.2)	-	29.8	-	+FL065	-	-	-	RNAV 1
030	TF	MF103	-	082 (077.4)	-	33.6	-	+5500	-	-	-	RNAV 1

WAYPOINT LIST  
RNAV STAR RWY 09

WaypointIdentifier	Coordinates		WaypointIdentifier	Coordinates	
ADMIS	S 13 22 51.6	E 032 19 15.0	NIGOB	S 13 14 17.1	E 031 15 28.1
AXEBO	S 13 31 48.0	E 032 49 42.0	TEVAS	S 14 22 18.0	E 032 03 30.0
UVMEL	S 13 11 02.5	E 031 43 33.9	UTSIG	S 13 11 07.0	E 030 55 02.0
XAKDA	S 13 22 59.9	E 031 45 07.3	UVKEM	S 12 21 16.7	E 032 23 11.8
MF103	S 13 17 46.8	E 031 38 14.4	XOSOM	S 13 41 22.9	E 030 38 54.0
IMLOD	S 13 02 36.4	E 031 50 18.4			
UVLOT	S 13 20 56.8	E 032 01 37.7			
UVEVO	S 14 02 23.3	E 031 50 15.9			
XUBIK	S 13 37 43.9	E 031 47 02.5			
UDKUG	S 13 15 50.9	E 031 25 37.8			
UVBOL	S 13 25 08.6	E 031 04 38.8			
OKLUT	S 13 21 34.8	E 031 56 32.4			

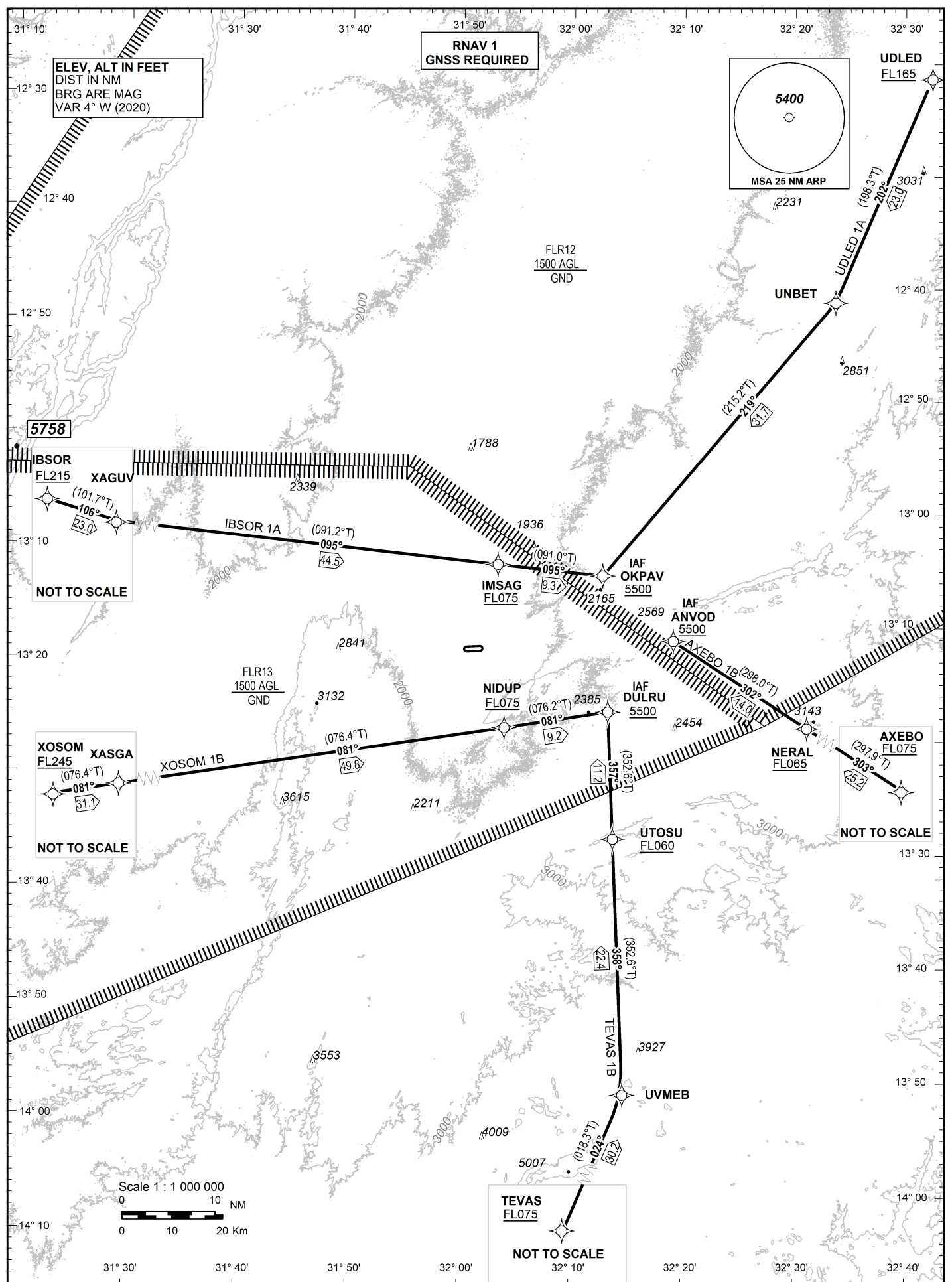
ROUTING

NAME	TEXT
AXEBO 1A	From AXEBO track 291° to ADMIS, track 281° to UVLOT, track 267° to OKLUT, track 267° to XAKDA. MEA/MEL: AXEBO AT or ABOVE FL090, OKLUT AT or ABOVE FL090, XAKDA AT or ABOVE 5500'.
TEVAS 1A	From TEVAS track 332° to UVEVO, track 358° to XUBIK, track 357° to XAKDA. MEA/MEL: TEVAS AT or ABOVE FL075, XUBIK AT or BELOW FL100, XAKDA AT or ABOVE 5500'.
UTSIG 1A	From UTSIG track 103° to NIGOB, track 103° to UDKUG, track 103° to MF103. MEA/MEL: UTSIG AT or ABOVE FL075, NIGOB AT or ABOVE FL070, MF103 AT or ABOVE 5500'.
UVKEM 1A	From UVKEM track 222° to IMLOD, track 222° to UVMEL. MEA/MEL: UVKEM AT or ABOVE FL185, UVMEL AT or ABOVE 5500'.
XOSOM 1A	From XOSOM track 062° to UVBOL, track 082° to MF103. MEA/MEL: XOSOM AT or ABOVE FL185, UVBOL AT or ABOVE FL065, MF103 AT or ABOVE 5500'.

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**MFUWE/Mfuwe  
(FLMF)  
RNAV STAR RWY 27**

AXEBO 1B, IBSOR 1A, TEVAS 1B, UDLED 1A, XOSOM 1B



STANDARD ARRIVAL CHART -  
INSTRUMENT (STAR) - ICAO

MFUWE/Mfuwe  
(FLMF)  
RNAV STAR RWY 27  
AXEBO 1B, IBSOR 1A, TEVAS 1B, UDLED 1A, XOSOM 1B

TABULAR DESCRIPTION												
RNAV STAR RWY 27												
AXEBO 1B												
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	AXEBO	-	-	-	-	-	+FL075	-	-	-	RNAV 1
020	TF	NERAL	-	303 (297.9)	-	25.2	-	+FL065	-	-	-	RNAV 1
030	TF	ANVOD	-	302 (298.0)	-	14.0	-	+5500	-	-	-	RNAV 1
IBSOR 1A												
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	IBSOR	-	-	-	-	-	+FL215	-	-	-	RNAV 1
020	TF	XAGUV	-	106 (101.7)	-	23.0	-	-	-	-	-	RNAV 1
030	TF	IMSAG	-	095 (091.2)	-	44.5	-	+FL075	-	-	-	RNAV 1
040	TF	OKPAV	-	095 (091.0)	-	9.3	-	+5500	-	-	-	RNAV 1
TEVAS 1B												
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	TEVAS	-	-	-	-	-	+FL075	-	-	-	RNAV 1
020	TF	UVMEB	-	024 (018.3)	-	30.2	-	-	-	-	-	RNAV 1
030	TF	UTOSU	-	358 (352.6)	-	22.4	-	+FL060	-	-	-	RNAV 1
040	TF	DULRU	-	357 (352.6)	-	11.2	-	+5500	-	-	-	RNAV 1
UDLED 1A												
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	UDLED	-	-	-	-	-	+FL165	-	-	-	RNAV 1
020	TF	UNBET	-	202 (198.3)	-	23.0	-	-	-	-	-	RNAV 1
030	TF	OKPAV	-	219 (215.2)	-	31.7	-	+5500	-	-	-	RNAV 1
XOSOM 1B												
Serial Number	Path Descriptor	Waypoint Identifier	Fly-over	Course M°(T°)	Magnetic Variation (°)	Distance (NM) / Duration	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA (%)	Rec Nav aids	Navigation Specification
010	IF	XOSOM	-	-	-	-	-	+FL245	-	-	-	RNAV 1
020	TF	XASGA	-	081 (076.5)	-	31.1	-	-	-	-	-	RNAV 1
030	TF	NIDUP	-	081 (076.4)	-	49.8	-	+FL075	-	-	-	RNAV 1
040	TF	DULRU	-	081 (076.2)	-	9.2	-	+5500	-	-	-	RNAV 1



WAYPOINT LIST  
RNAV STAR RWY 10

WaypointIdentifier	Coordinates		WaypointIdentifier	Coordinates	
ANVOD	S 13 13 16.4	E 032 14 07.7	TEVAS	S 14 22 18.0	E 032 03 30.0
AXEBO	S 13 31 48.0	E 032 49 42.0	XAGUV	S 13 07 04.9	E 031 12 07.6
DULRU	S 13 20 01.4	E 032 08 48.3	XASGA	S 13 34 04.2	E 031 09 57.8
IBSOR	S 13 02 25.2	E 030 49 02.7	XOSOM	S 13 41 22.9	E 030 38 54.0
IMSAG	S 13 07 54.7	E 031 57 42.1			
NERAL	S 13 19 54.2	E 032 26 49.4			
NIDUP	S 13 22 14.1	E 031 59 36.5			
OKPAV	S 13 08 04.1	E 032 07 13.8			
UDLED	S 12 20 06.5	E 032 33 22.3			
UNBET	S 12 42 02.7	E 032 25 59.8			
UTOSU	S 13 31 10.2	E 032 10 16.5			
UVMEB	S 13 53 31.1	E 032 13.9			

ROUTING

NAME	TEXT
AXEBO 1B	From AXEBO track 303° to NERAL, track 302 to ANVOD. MEA/MEL: AXEBO AT or ABOVE FL075, NERAL AT or ABOVE FL065, ANVOD AT or ABOVE 5500'.
IBSOR 1A	From IBSOR track 106° to XAGUV, track 095° to IMSAG, track 095° to OKPAV. MEA/MEL: IBSOR AT or ABOVE FL215, IMSAG AT or ABOVE FL075, OKPAV AT or ABOVE 5500'.
TEVAS 1B	From TEVAS track 024° to UVMEB, track 358° to UTOSU, track 357° to DULRU. MEA/MEL: TEVAS AT or ABOVE FL075, UTOSU AT or ABOVE FL060, DULRU AT or ABOVE 5500'.
UDLED 1A	From UDLED track 202° to UNBET, track 219° to OKPAV. MEA/MEL: UDLED AT or ABOVE FL165, OKPAV AT or ABOVE 5500'.
XOSOM 1B	From XOSOM track 081° to XASGA, track 081° to NIDUP, track 081° to DULRU. MEA/MEL: XOSOM AT or ABOVE FL245, NIDUP AT or ABOVE FL075, DULRU AT or ABOVE 5500'.

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