

DME DME Assessment Results for SPIDR5 path MOL_DUCXS

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KRIC\KRIC SPIDR5 (RNAV) STAR DME-DME 20240408.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KRIC\KRIC [IFPA] SPIDR5 20240611_1230 EDT\MOL_DUCXS\KRIC SPIDR5 RNAV STAR MOL DUCXS 20240611_1230 EDT.pdf
Procedure Name:	SPIDR5
Software: DmeDmePlugin:	7.3.2
Date/Time:	06/11/2024 12:30 EDT
Databases:	DTED0.MAX

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
MOL	WP	N37° 54' 01.8890", W079° 06' 24.8010"	15000	VNAV	280	FLY_BY	TF
ZUMAT	WP	N37° 49' 43.4900", W078° 46' 30.6900"	15000	VNAV	280	FLY_BY	TF
DXOON	WP	N37° 46' 14.8300", W078° 30' 03.1100"	12000	VNAV	280	FLY_BY	TF
REDNG	WP	N37° 42' 46.6600", W078° 13' 49.9600"	8000	VNAV	280	FLY_BY	TF
HEMME	WP	N37° 41' 15.1000", W078° 06' 23.9000"	8000	VNAV	280	FLY_BY	TF
SPIDR	WP	N37° 38' 43.7200", W077° 51' 10.2000"	5000	VNAV	280	FLY_BY	TF
DUCXS	WP	N37° 27' 47.2000", W077° 39' 16.0000"	3000	VNAV	280	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KRIC [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for SPIDR5 path MOL_DUCXS

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	FKN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H	IFPA	NO	Enabled		
2	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H	IFPA	NO	Enabled		
3	ROA	N37° 20' 36.4659", W080° 04' 13.4304"	4.0 W	40	L	IFPA	NO	Enabled		
4	CSN	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	H	IFPA	NO	Enabled		
5	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H	IFPA	NO	Enabled		
6	BKW	N37° 46' 49.0788", W081° 07' 24.4398"	6.0 W	130	DH	IFPA	NO	Enabled		
7	MOL	N37° 54' 03.1524", W079° 06' 22.2526"	5.0 W	40	L	IFPA	NO	Enabled		
8	FKN	N36° 42' 51.2443", W077° 00' 44.5488"	9.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for SPIDR5 path MOL_DUCXS

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ROA [IFPA]	FAK [IFPA]	CSN [IFPA]	RIC [IFPA]	BKW [IFPA]	
4.2	FAK [IFPA]	CSN [IFPA]	RIC [IFPA]	GVE [IFPA]	BKW [IFPA]	
16.4	MOL [IFPA]	CSN [IFPA]	RIC [IFPA]	GVE [IFPA]	BKW [IFPA]	
16.5	FAK [IFPA]	GVE [IFPA]	RIC [IFPA]			
17.0	FAK [IFPA]	GVE [IFPA]				
17.8						
24.3	MOL [IFPA]	GVE [IFPA]				
25.7	FAK [IFPA]	GVE [IFPA]	MOL [IFPA]			
25.9	CSN [IFPA]	FAK [IFPA]	MOL [IFPA]	GVE [IFPA]		
40.0	FAK [IFPA]	GVE [IFPA]	CSN [IFPA]			
48.6	CSN [IFPA]	RIC [IFPA]	GVE [IFPA]	FAK [IFPA]		
50.3	RIC [IFPA]	GVE [IFPA]				
58.6						
59.4	RIC [IFPA]	FAK [IFPA]				
64.7						
68.5	RIC [IFPA]	GVE [IFPA]				
74.9						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N37° 49' 20.8173", W078° 44' 42.7758"	N37° 47' 40.2508", W078° 36' 45.9016"	6.5173
2	N37° 39' 21.0330", W077° 54' 54.2196"	N37° 39' 11.4768", W077° 53' 56.7727"	0.7768
3	N37° 36' 22.6360", W077° 48' 36.3146"	N37° 33' 29.7310", W077° 45' 28.0248"	3.8089
4	N37° 28' 40.1903", W077° 40' 13.4679"	N37° 27' 47.2000", W077° 39' 16.0000"	1.166

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MOL	ZUMAT	RIC [IFPA], FAK [IFPA], ROA [IFPA], CSN [IFPA], GVE [IFPA], BKW [IFPA], MOL [IFPA]	
ZUMAT	DXOON	RIC [IFPA], FAK [IFPA], CSN [IFPA], GVE [IFPA], MOL [IFPA], BKW [IFPA]	
DXOON	REDNG	FAK [IFPA], GVE [IFPA], CSN [IFPA], MOL [IFPA]	
REDNG	HEMME	RIC [IFPA], FAK [IFPA], GVE [IFPA], CSN [IFPA]	
HEMME	SPIDR	RIC [IFPA], FAK [IFPA], GVE [IFPA], CSN [IFPA]	
SPIDR	DUCXS	RIC [IFPA], FAK [IFPA], GVE [IFPA]	

DME DME Assessment Results for SPIDR5 path MOL_DUCXS

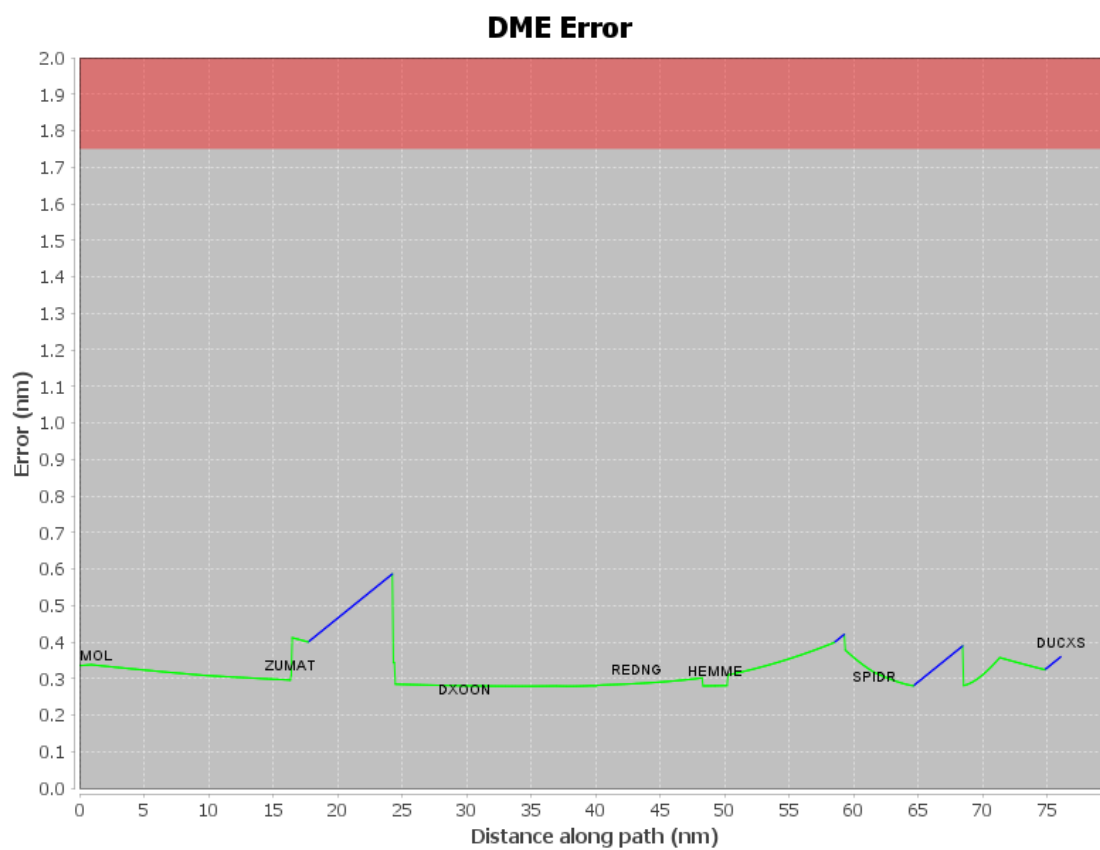
User Data Files

#	File Name							
1	UserDMEsKRIC [IFPA] SPIDR5 RNAV STAR_20240215_0916 EST.udt							
2	UserDMEsKRIC [IFPA] SPIDR5 RNAV STAR_20240408_0704 EDT.udt							

User DMEs

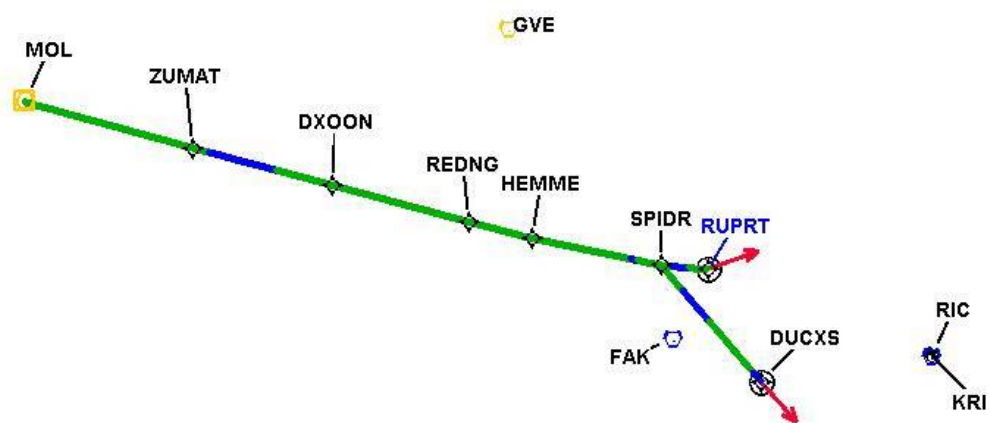
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV FAK FAK [IFPA]	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	460	113.3	UDT ESV FAK	
ESV:		Bearing [True]: 286.0° to 297.0° Bearing [Mag]: 292.0° to 303.0°				Arc Distance: Out to 66.0 NM Altitude: 9400.0 to 15000.0 ft		
2	UDT ESV CSN CSN [IFPA]	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	441.8	116.3	UDT ESV CSN	
ESV:		Bearing [True]: 183.0° to 215.0° Bearing [Mag]: 189.0° to 221.0°				Arc Distance: Out to 96.0 NM Altitude: 7500.0 to 15000.0 ft		
3	UDT ESV ROA ROA [IFPA]	N37° 20' 36.4659", W080° 04' 13.4304"	4.0 W	40	3071.9	109.4	UDT ESV ROA	
ESV:		Bearing [True]: 51.0° to 63.0° Bearing [Mag]: 55.0° to 67.0°				Arc Distance: Out to 67.0 NM Altitude: 6800.0 to 15000.0 ft		

DME DME Assessment Results for SPIDR5 path MOL_DUCXS



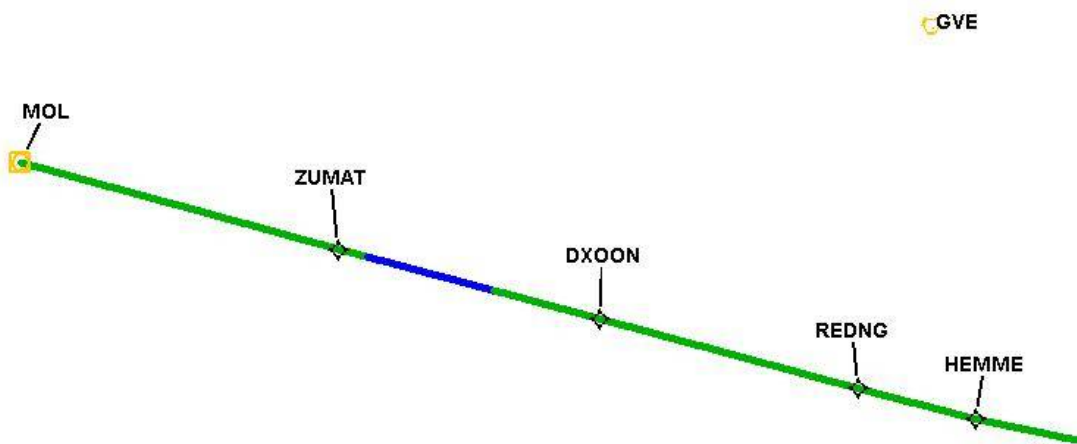
Graphic Depiction 1

BKV



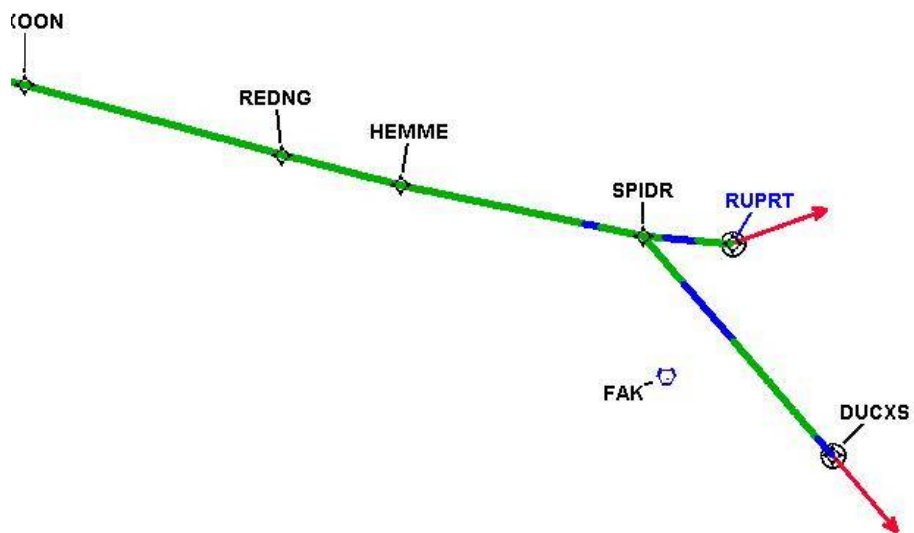
DME DME Assessment Results for SPIDR5 path MOL_DUCXS

Graphic Depiction 2



DME DME Assessment Results for SPIDR5 path MOL_DUCXS

Graphic Depiction 3



DME DME Assessment Results for SPIDR5 path SPIDR_RUPRT

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KRIC\KRIC SPIDR5 (RNAV) STAR DME-DME_20240408.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KRIC\KRIC [IFPA] SPIDR5 20240611_1230 EDT\SPIDR_RUPRT\KRIC SPIDR5 RNAV STAR SPIDR RUPRT 20240611_1230 EDT.pdf
Procedure Name:	SPIDR5
Software: DmeDmePlugin:	7.3.2
Date/Time:	06/11/2024 12:30 EDT
Databases:	DTED0.MAX

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SPIDR	WP	N37° 38' 43.7200", W077° 51' 10.2000"	5000	VNAV	280	FLY_BY	TF
RUPRT	WP	N37° 38' 19.6385", W077° 45' 33.1271"	3000	VNAV	280	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KRIC [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for SPIDR5 path SPIDR_RUPRT

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	FKN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	HPW	N37° 19' 43.9320", W077° 06' 57.3970"	6.0 W	40	L	IFPA	NO	Enabled		
2	RIC	N37° 30' 08.4521", W077° 19' 12.9944"	9.0 W	130	H	IFPA	NO	Enabled		
3	FAK	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	H	IFPA	NO	Enabled		
4	GVE	N38° 00' 48.9578", W078° 09' 10.8957"	6.0 W	130	H	IFPA	NO	Enabled		
5	FKN	N36° 42' 51.2443", W077° 00' 44.5488"	9.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	RIC [IFPA]	FAK [IFPA]				
1.0						
2.6	RIC [IFPA]	FAK [IFPA]	HPW [IFPA]	GVE [IFPA]		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N37° 38' 38.3457", W077° 49' 54.6439"	N37° 38' 29.6357", W077° 47' 52.5982"	1.6221

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SPIDR	RUPRT	HPW [IFPA], RIC [IFPA], FAK [IFPA], GVE [IFPA]	

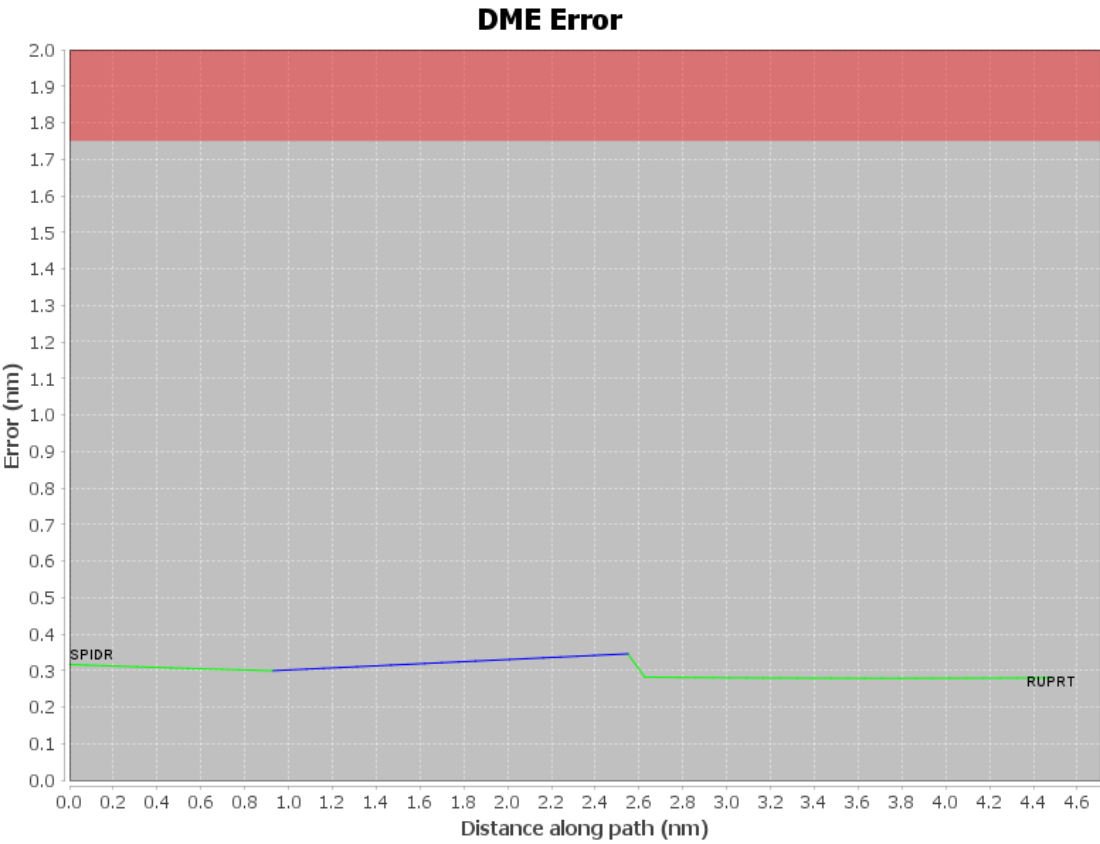
DME DME Assessment Results for SPIDR5 path SPIDR_RUPRT

User Data Files

#	File Name
1	UserDMesKRIC [IFPA] SPIDR5 RNAV STAR_20240215_0916 EST.udt
2	UserDMesKRIC [IFPA] SPIDR5 RNAV STAR_20240408_0704 EDT.udt

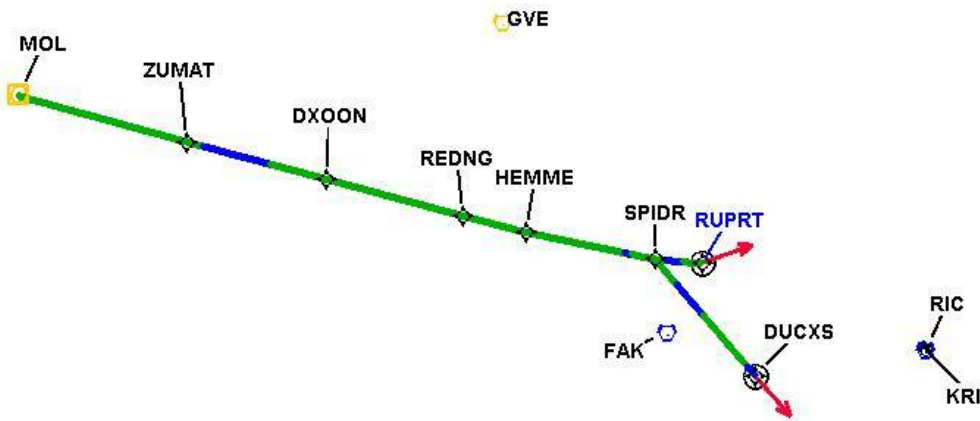
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV FAK FAK [IFPA]	N37° 31' 42.6340", W077° 49' 41.5890"	6.0 W	130	460	113.3	UDT ESV FAK	
ESV:		Bearing [True]: 286.0° to 297.0° Bearing [Mag]: 292.0° to 303.0°				Arc Distance: Out to 66.0 NM Altitude: 9400.0 to 15000.0 ft		
2	UDT ESV CSN CSN [IFPA]	N38° 38' 28.3277", W077° 51' 55.7979"	6.0 W	130	441.8	116.3	UDT ESV CSN	
ESV:		Bearing [True]: 183.0° to 215.0° Bearing [Mag]: 189.0° to 221.0°				Arc Distance: Out to 96.0 NM Altitude: 7500.0 to 15000.0 ft		
3	UDT ESV ROA ROA [IFPA]	N37° 20' 36.4659", W080° 04' 13.4304"	4.0 W	40	3071.9	109.4	UDT ESV ROA	
ESV:		Bearing [True]: 51.0° to 63.0° Bearing [Mag]: 55.0° to 67.0°				Arc Distance: Out to 67.0 NM Altitude: 6800.0 to 15000.0 ft		

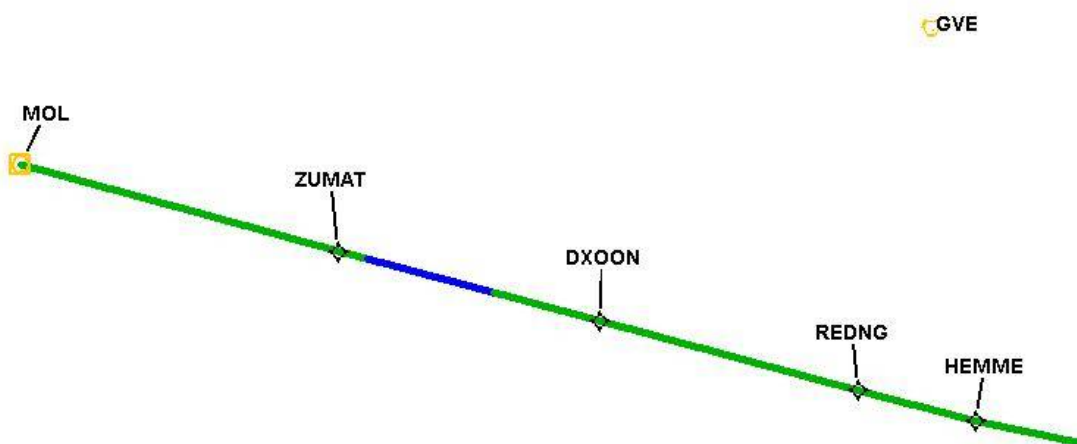


Graphic Depiction 1

BRV



Graphic Depiction 2



Graphic Depiction 3

