

DME ESVs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LAL FAA 704224-41 LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	133.8	116.0	LAL FAA 704224-41	
ESV:		Bearing [True]: 360.0° to 77.0° Bearing [Mag]: 359.0° to 76.0°				Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 14700.0 ft		
2	OCF FAA 714002-18 OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-18	
ESV:		Bearing [True]: 117.0° to 180.0° Bearing [Mag]: 117.0° to 180.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 20000.0 ft		
3	OMN FAA 694106-20 OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		

DME DME Assessment Results for FSHUN4 path KMCO:RW17L:DER_BAAIT

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark CTR Thompson
Project File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO FSHUN4 (RNAV) SID DME_241105.tgs
Output File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO [IFPA] FSHUN4 20241105_0838 EST\KMCO-RW17L-DER_BAAIT\KMCO FSHUN4 SID RW17L BAAIT 20241105_0838 EST.pdf
Procedure Name:	FSHUN4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 08:38 EST
Databases:	MITRE 3DEP 3 arcsec

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
KMCO:RW17L:DER	WP	N28° 25' 08.20", W081° 16' 56.38"	89.7	VNAV	130	FLY_BY	TF
BAAIT	WP	N28° 19' 58.75", W081° 19' 32.52"	1056.4	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KMCO [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 FSHUN4 path KMCO:RW17L:DER_BAAIT

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:	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:	None

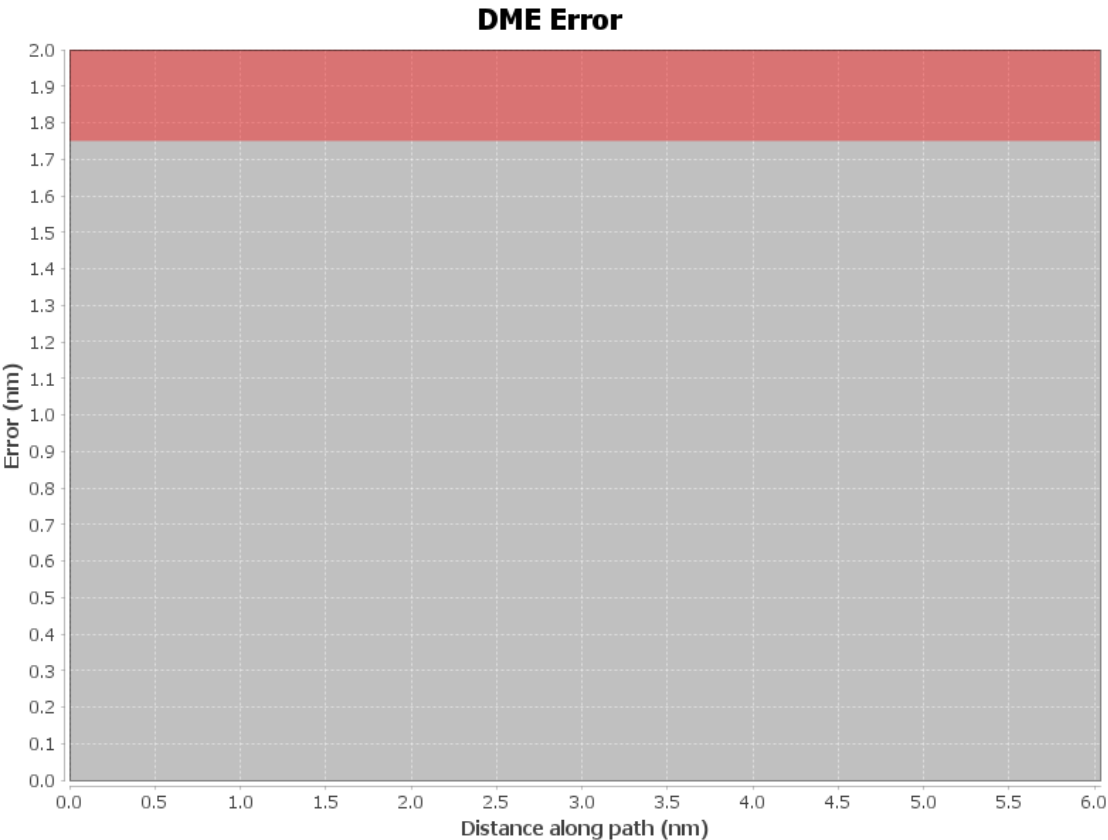
DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 25' 06.07", W081° 16' 56.36"	N28° 19' 58.75", W081° 19' 32.52"	5.7123

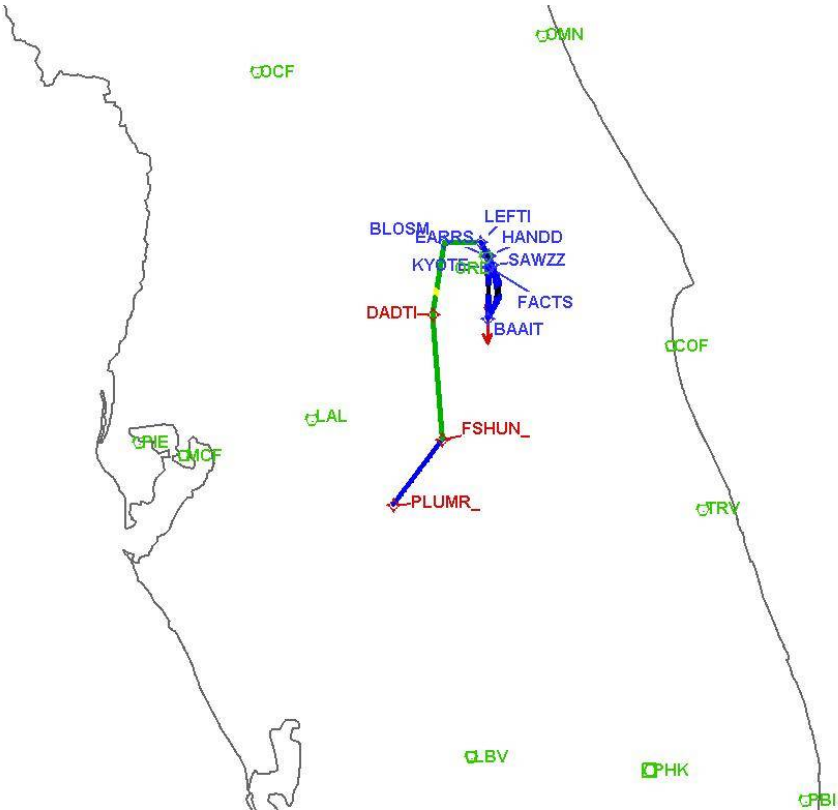
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KMCO:RW17L:DER	BAAIT		

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OMN FAA 694106-20 OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
2	LAL FAA 704224-41 LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	133.8	116.0	LAL FAA 704224-41	
ESV:		Bearing [True]: 360.0° to 77.0° Bearing [Mag]: 359.0° to 76.0°				Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 14700.0 ft		
3	OCF FAA 714002-18 OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-18	
ESV:		Bearing [True]: 117.0° to 180.0° Bearing [Mag]: 117.0° to 180.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 20000.0 ft		



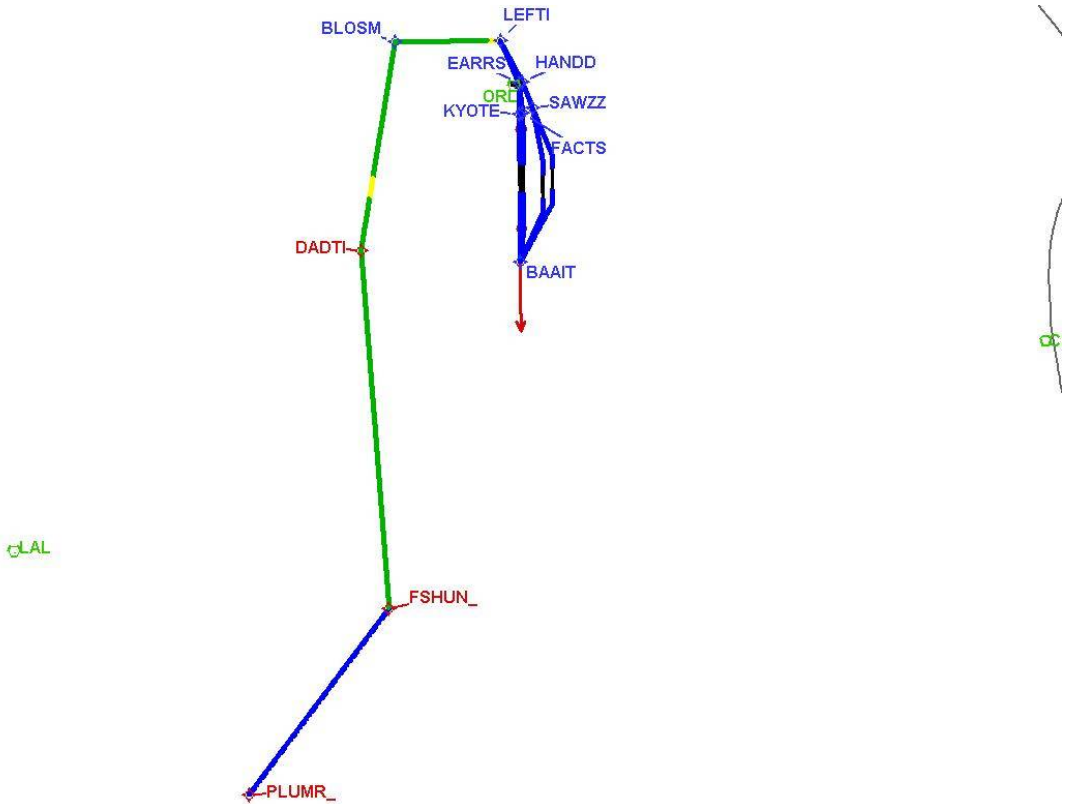
DME DME Assessment Results for FSHUN4 path KMCO:RW17L:DER_BAAIT

Graphic Depiction 1



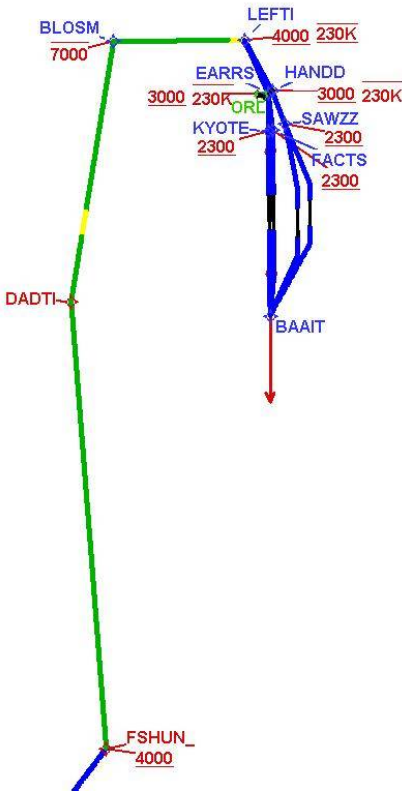
DME DME Assessment Results for FSHUN4 path KMCO:RW17L:DER_BAAIT

Graphic Depiction 2



DME DME Assessment Results for FSHUN4 path KMCO:RW17L:DER_BAAIT

Graphic Depiction 3



DME DME Assessment Results for FSHUN4 path KMCO:RW17R:DER_BAAIT

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark CTR Thompson
Project File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO FSHUN4 (RNAV) SID DME_241105.tgs
Output File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO [IFPA] FSHUN4 20241105_0838 EST\KMCO-RW17R-DER_BAAIT\KMCO FSHUN4 SID RW17R BAAIT 20241105_0838 EST.pdf
Procedure Name:	FSHUN4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 08:38 EST
Databases:	MITRE 3DEP 3 arcsec

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
KMCO:RW17R:DER	WP	N28° 24' 29.20", W081° 17' 44.13"	86.7	VNAV	130	FLY_BY	TF
BAAIT	WP	N28° 19' 58.75", W081° 19' 32.52"	1056.4	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KMCO [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 FSHUN4 path KMCO:RW17R:DER_BAAIT

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:	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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						

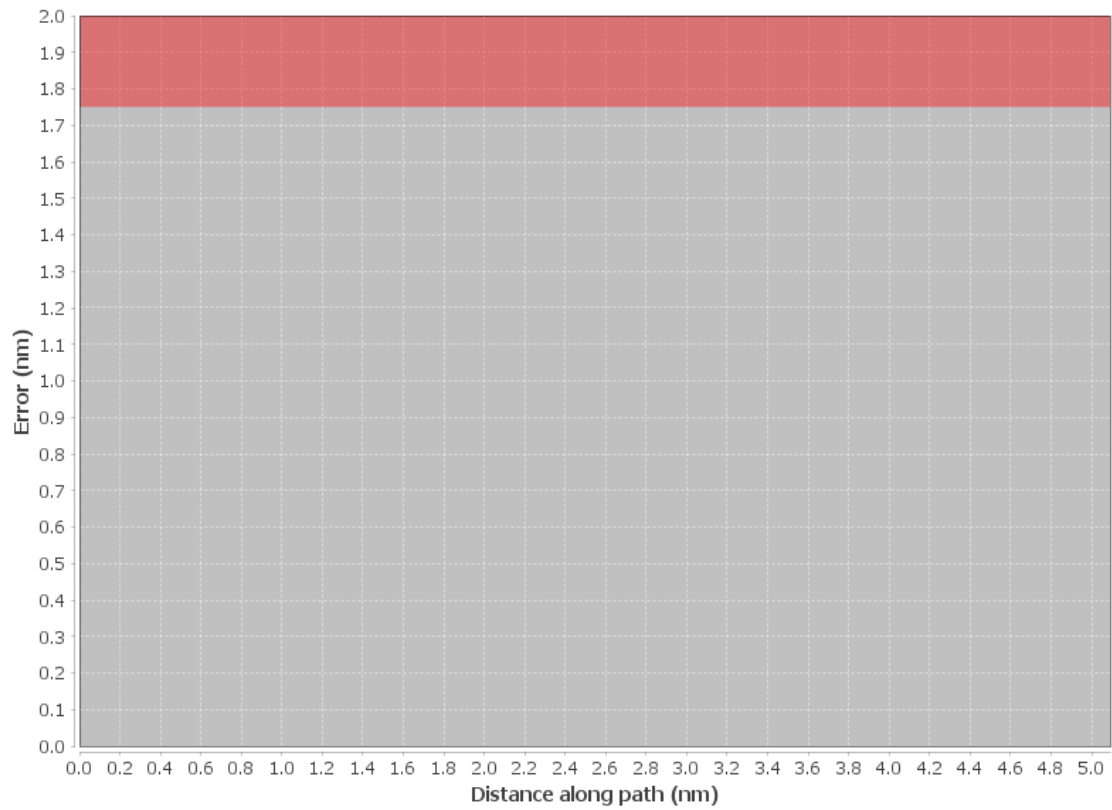
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 24' 27.06", W081° 17' 44.11"	N28° 19' 58.75", W081° 19' 32.52"	4.8155

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KMCO:RW17R:DER	BAAIT		

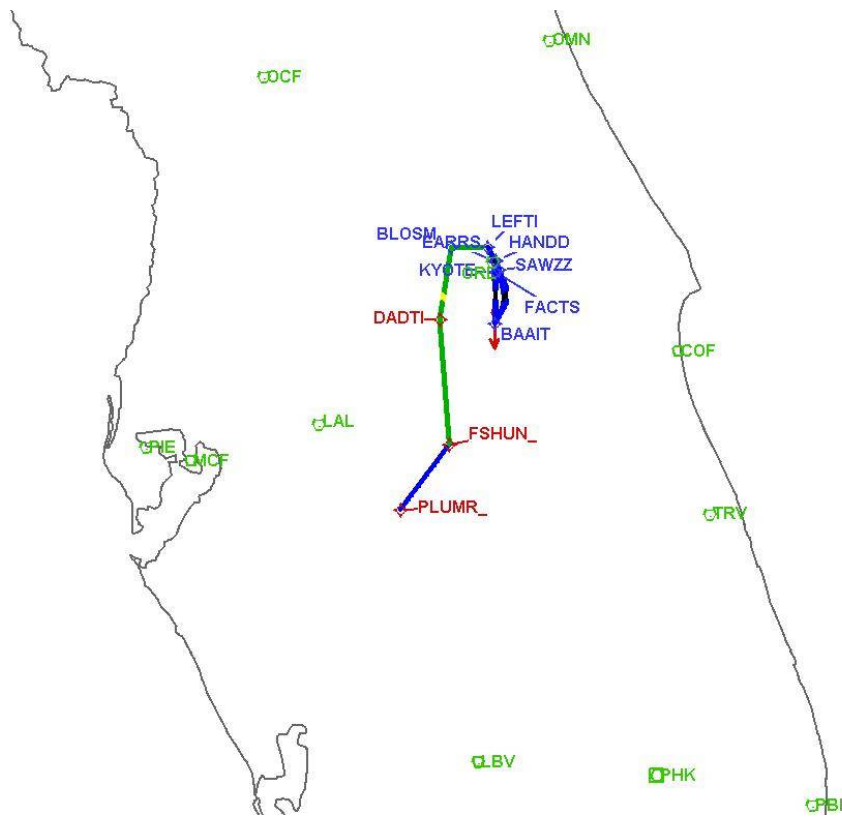
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OMN FAA 694106-20 OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
2	LAL FAA 704224-41 LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	133.8	116.0	LAL FAA 704224-41	
ESV:		Bearing [True]: 360.0° to 77.0° Bearing [Mag]: 359.0° to 76.0°				Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 14700.0 ft		
3	OCF FAA 714002-18 OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-18	
ESV:		Bearing [True]: 117.0° to 180.0° Bearing [Mag]: 117.0° to 180.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 20000.0 ft		

DME DME Assessment Results for FSHUN4 path KMCO:RW17R:DER_BAAIT

DME Error

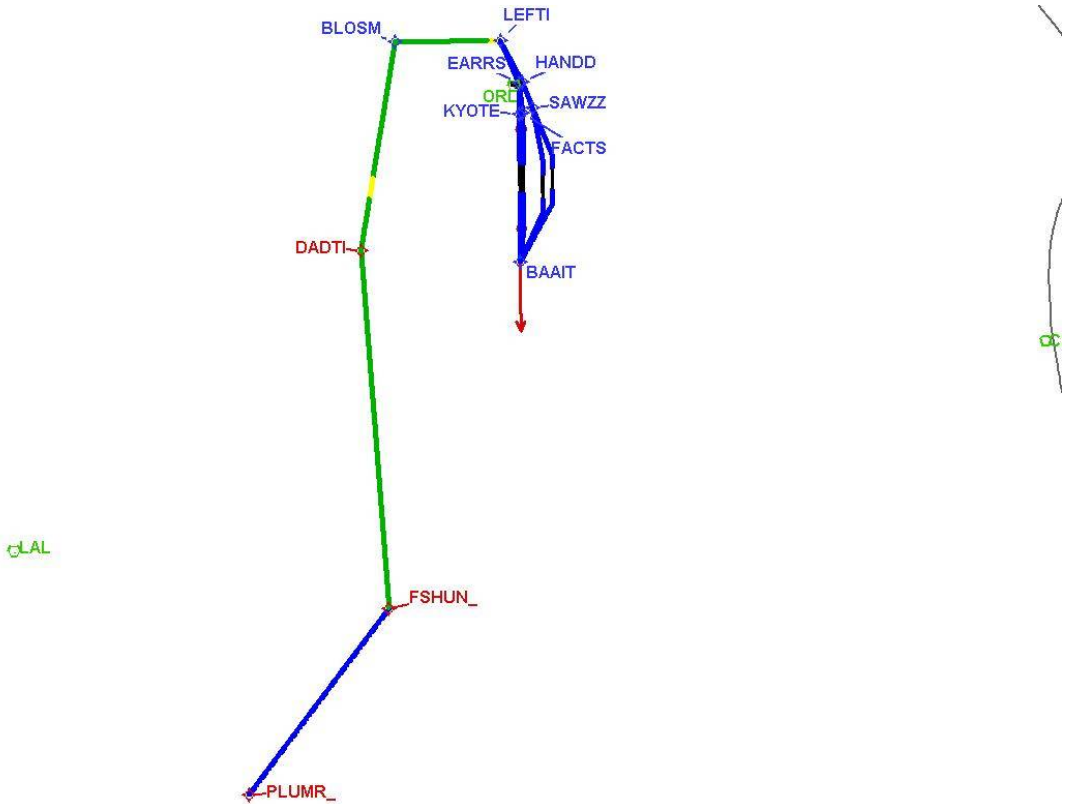


Graphic Depiction 1



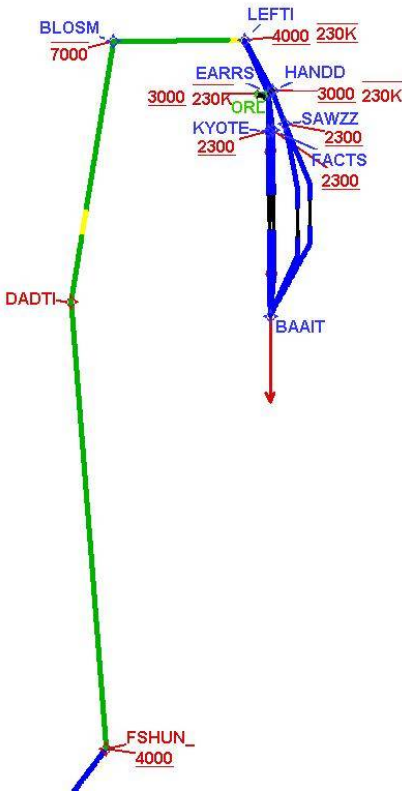
DME DME Assessment Results for FSHUN4 path KMCO:RW17R:DER_BAAIT

Graphic Depiction 2



DME DME Assessment Results for FSHUN4 path KMCO:RW17R:DER_BAAIT

Graphic Depiction 3



DME DME Assessment Results for FSHUN4 path KMCO:RW18L:DER_BAAIT

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark CTR Thompson
Project File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO FSHUN4 (RNAV) SID DME_241105.tgs
Output File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO [IFPA] FSHUN4 20241105_0838 EST\KMCO-RW18L-DER_BAAIT\KMCO FSHUN4 SID RW18L BAAIT 20241105_0838 EST.pdf
Procedure Name:	FSHUN4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 08:38 EST
Databases:	MITRE 3DEP 3 arcsec

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
KMCO:RW18L:DER	WP	N28° 24' 55.15", W081° 19' 19.04"	91	VNAV	130	FLY_OVER	TF
BAAIT	WP	N28° 19' 58.75", W081° 19' 32.52"	1056.4	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KMCO [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 FSHUN4 path KMCO:RW18L:DER_BAAIT

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:	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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 24' 52.99", W081° 19' 19.01"	N28° 19' 58.75", W081° 19' 32.52"	4.9084

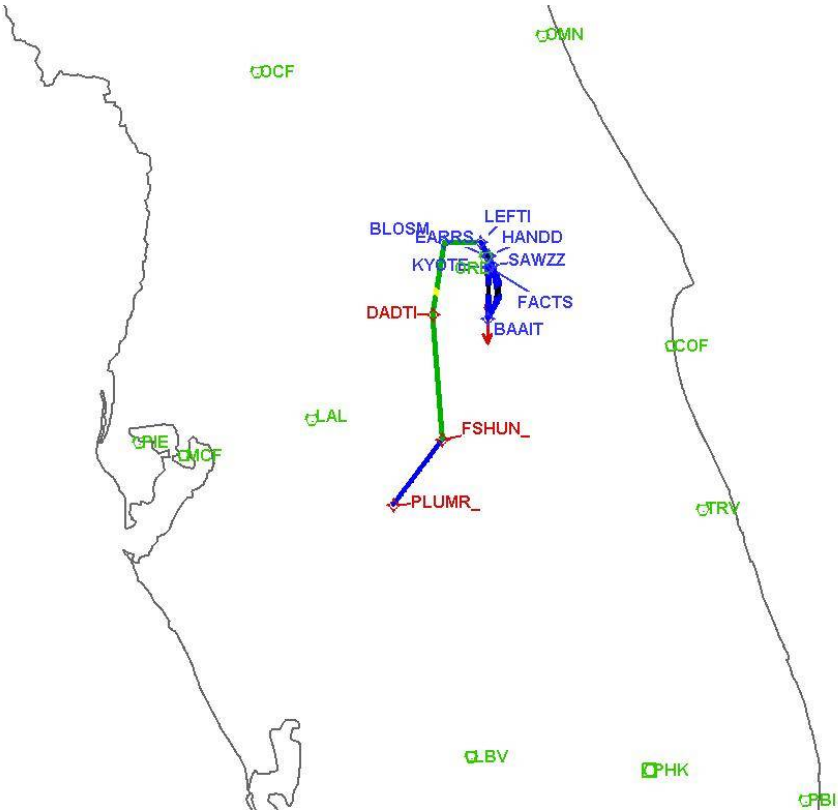
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KMCO:RW18L:DER	BAAIT		

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OMN FAA 694106-20 OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
2	LAL FAA 704224-41 LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	133.8	116.0	LAL FAA 704224-41	
ESV:		Bearing [True]: 360.0° to 77.0° Bearing [Mag]: 359.0° to 76.0°				Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 14700.0 ft		
3	OCF FAA 714002-18 OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-18	
ESV:		Bearing [True]: 117.0° to 180.0° Bearing [Mag]: 117.0° to 180.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 20000.0 ft		

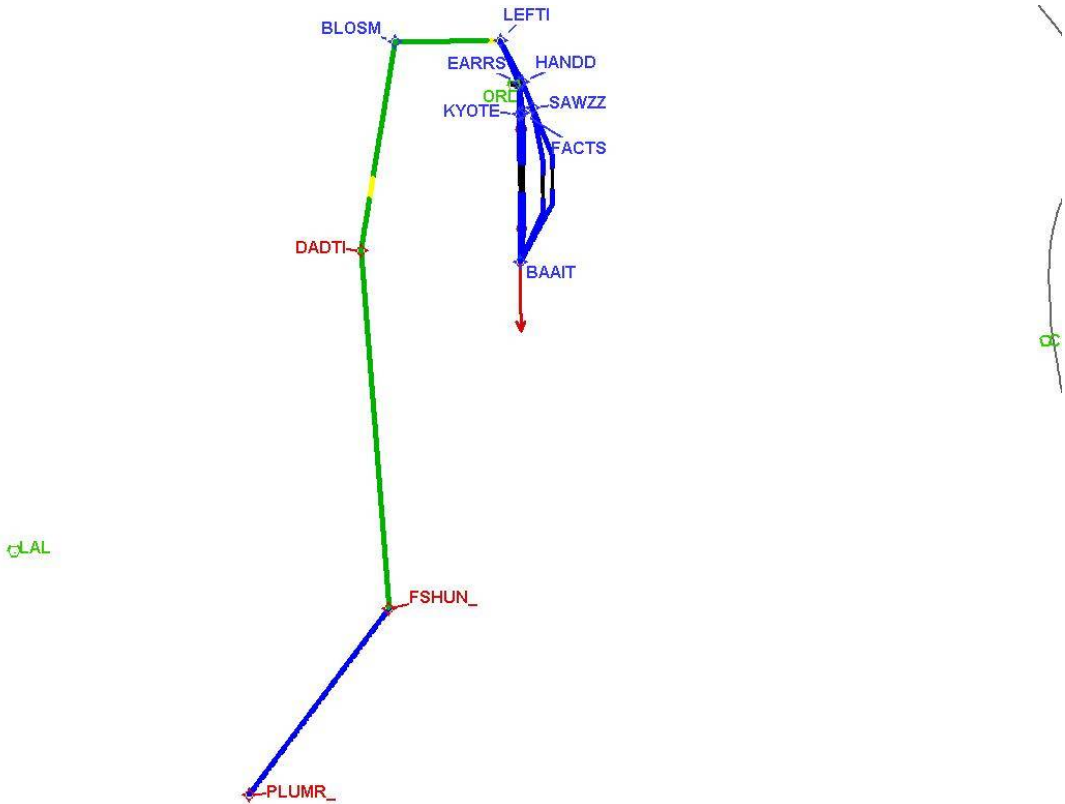


DME DME Assessment Results for FSHUN4 path KMCO:RW18L:DER_BAAIT

Graphic Depiction 1

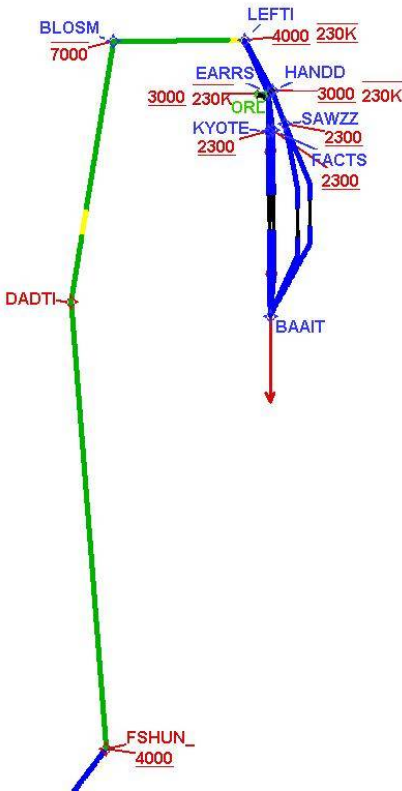


Graphic Depiction 2



DME DME Assessment Results for FSHUN4 path KMCO:RW18L:DER_BAAIT

Graphic Depiction 3



DME DME Assessment Results for FSHUN4 path KMCO:RW18R:DER_BAAIT

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark CTR Thompson
Project File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO FSHUN4 (RNAV) SID DME_241105.tgs
Output File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO [IFPA] FSHUN4 20241105_0838 EST\KMCO-RW18R-DER_BAAIT\KMCO FSHUN4 SID RW18R BAAIT 20241105_0838 EST.pdf
Procedure Name:	FSHUN4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 08:38 EST
Databases:	MITRE 3DEP 3 arcsec

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
KMCO:RW18R:DER	WP	N28° 24' 55.01", W081° 19' 35.83"	91.1	VNAV	130	FLY_OVER	TF
BAAIT	WP	N28° 19' 58.75", W081° 19' 32.52"	1056.4	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KMCO [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 FSHUN4 path KMCO:RW18R:DER_BAAIT

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:	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:	None

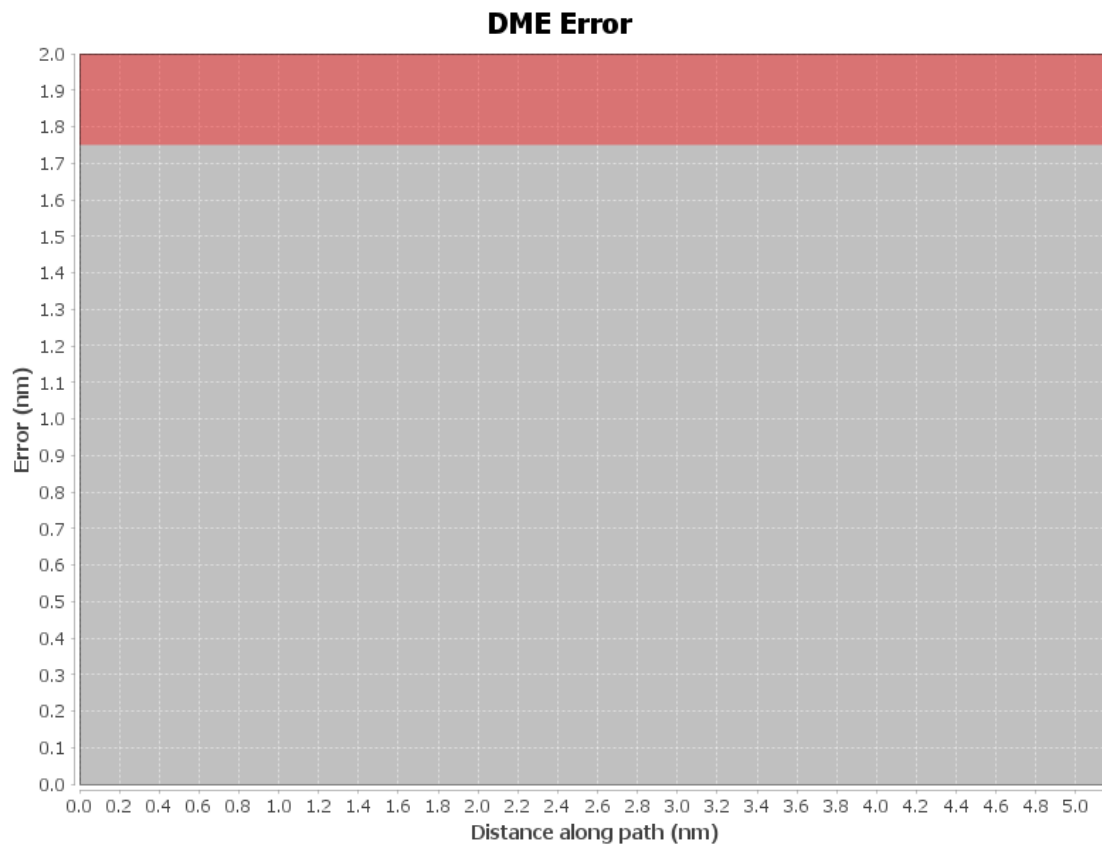
DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 24' 52.85", W081° 19' 35.81"	N28° 19' 58.75", W081° 19' 32.52"	4.8959

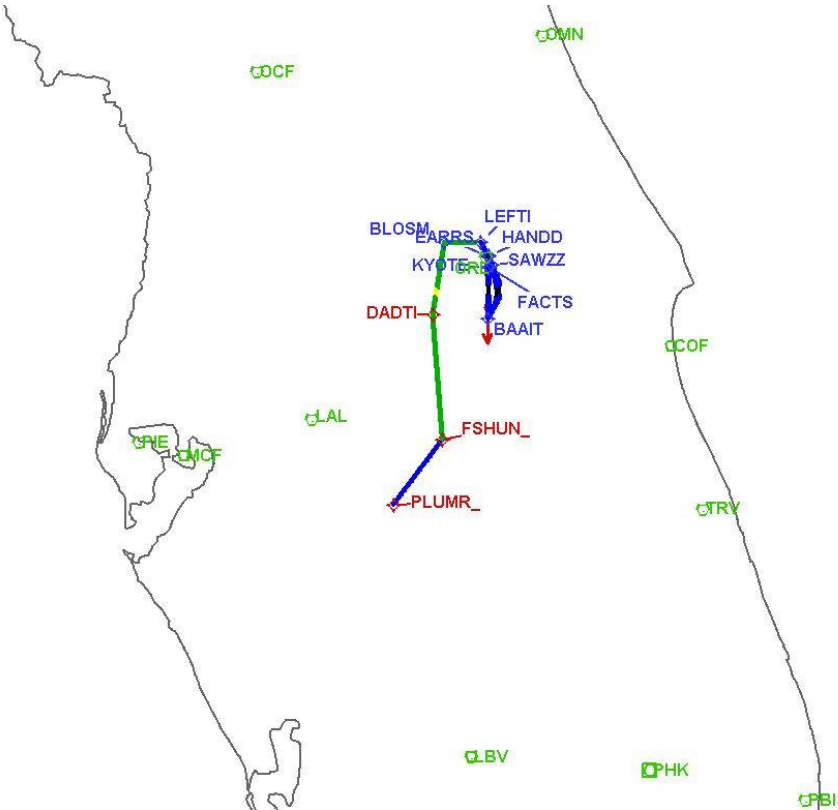
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KMCO:RW18R:DER	BAAIT		

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OMN FAA 694106-20 OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
2	LAL FAA 704224-41 LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	133.8	116.0	LAL FAA 704224-41	
ESV:		Bearing [True]: 360.0° to 77.0° Bearing [Mag]: 359.0° to 76.0°				Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 14700.0 ft		
3	OCF FAA 714002-18 OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-18	
ESV:		Bearing [True]: 117.0° to 180.0° Bearing [Mag]: 117.0° to 180.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 20000.0 ft		

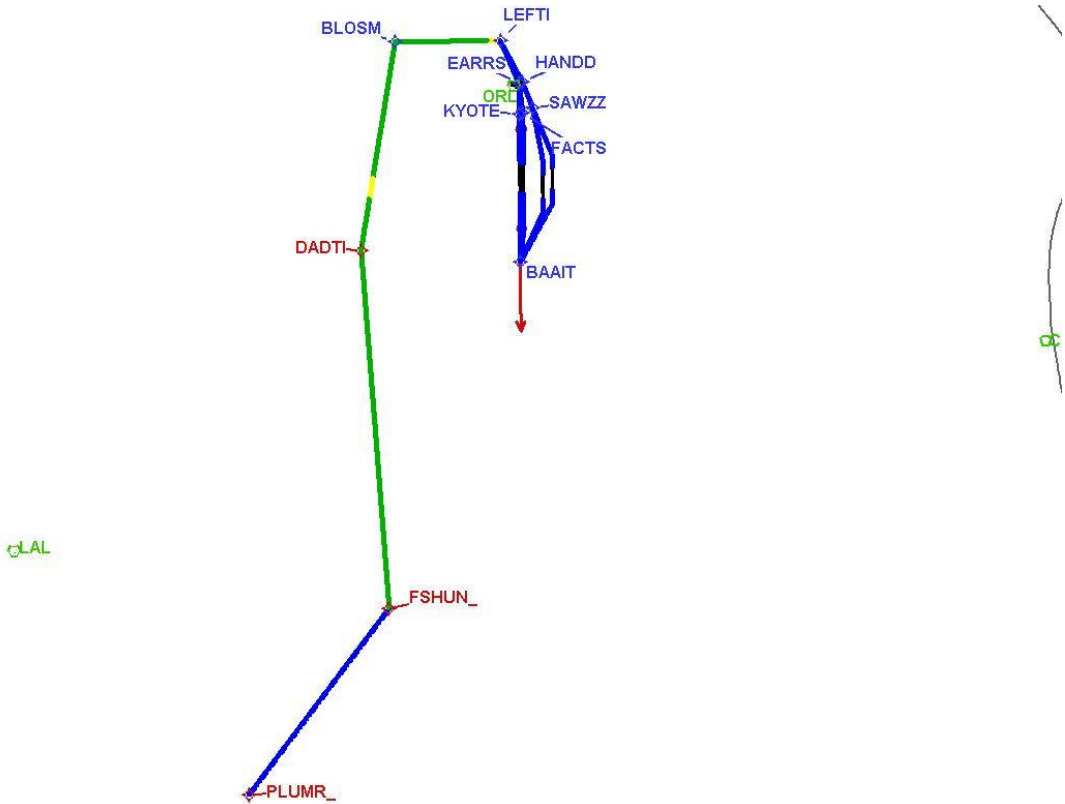


DME DME Assessment Results for FSHUN4 path KMCO:RW18R:DER_BAAIT

Graphic Depiction 1

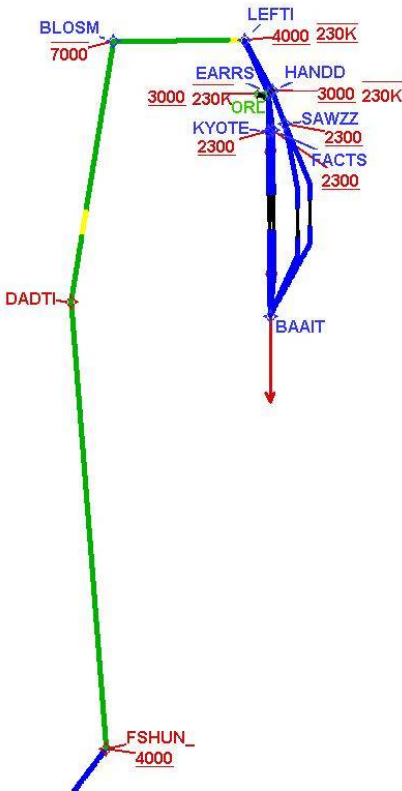


Graphic Depiction 2



DME DME Assessment Results for FSHUN4 path KMCO:RW18R:DER_BAAIT

Graphic Depiction 3



DME DME Assessment Results for FSHUN4 path KMCO:RW35L:DER_PLUMR_

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark CTR Thompson
Project File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO FSHUN4 (RNAV) SID DME_241105.tgs
Output File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO [IFPA] FSHUN4 20241105_0838 EST\KMCO-RW35L-DER_PLUMR_\KMCO FSHUN4 SID RW35L PLUMR 20241105_0838 EST.pdf
Procedure Name:	FSHUN4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 08:38 EST
Databases:	MITRE 3DEP 3 arcsec

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
KMCO:RW35L:DER	WP	N28° 26' 08.20", W081° 17' 45.17"	90.1	VNAV	130	FLY_BY	TF
SAWZZ	WP	N28° 31' 00.60", W081° 18' 33.91"	2300	VNAV	200	FLY_BY	TF
HANDD	WP	N28° 32' 54.38", W081° 19' 23.95"	3000	VNAV	230	FLY_BY	TF
LEFTI	WP	N28° 35' 51.04", W081° 21' 12.48"	4000	VNAV	230	FLY_BY	TF
BLOSM	WP	N28° 35' 46.29", W081° 29' 46.32"	4000	VNAV	230	FLY_BY	TF
DADTI	WP	N28° 20' 47.49", W081° 32' 33.11"	4000	VNAV	230	FLY_BY	TF
FSHUN_	WP	N27° 55' 04.94", W081° 30' 15.71"	4000	VNAV	200	FLY_BY	TF
PLUMR_	WP	N27° 41' 44.77", W081° 41' 40.18"	4000	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

DME DME Assessment Results for FSHUN4 path KMCO:RW35L:DER_PLUMR_

Flyability	
Flight Type:	SID
Selected Airport:	KMCO [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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	
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:	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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	H		NO	Enabled	39.9 %	42.6 %
2	OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	L		NO	Enabled	51.6 %	55 %
3	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H		NO	Enabled	60.1 %	64.2 %
4	ORL	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	H		NO	Enabled	58.6 %	62.6 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
10.3	LAL	OCF	OMN	ORL		
11.2	LAL	OCF	OMN			
12.3	LAL	OCF	ORL	OMN		
42.5	OCF	LAL	ORL			
51.9	ORL	LAL				
58.8						

DME DME Assessment Results for FSHUN4 path KMCO:RW35L:DER_PLUMR_

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N28° 26' 10.33", W081° 17' 45.19"	N28° 35' 51.04", W081° 21' 12.48"	10.2797
2	N27° 55' 04.94", W081° 30' 15.71"	N27° 41' 44.77", W081° 41' 40.18"	16.7098

Available DMEs by Waypoints

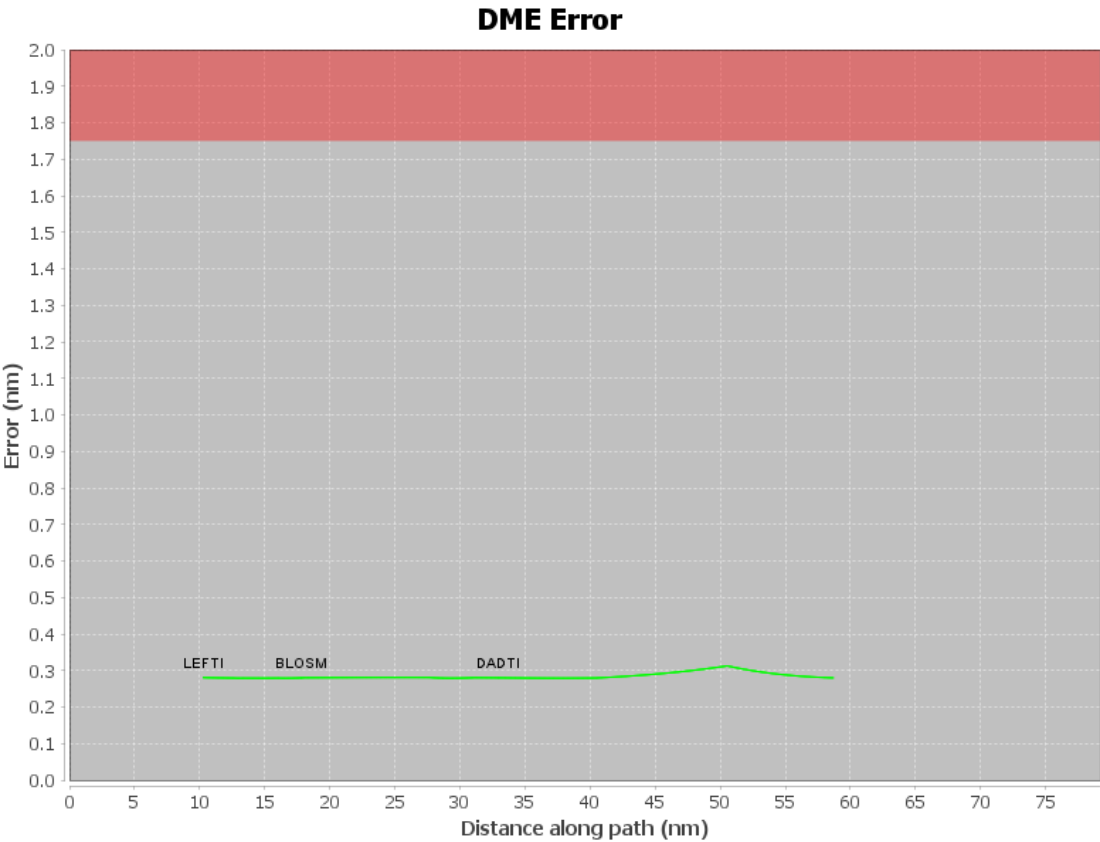
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KMCO:RW35L:DER	SAWZZ		
SAWZZ	HANDD		
HANDD	LEFTI	OMN, OCF, LAL, ORL	
LEFTI	BLOSM	OMN, OCF, LAL, ORL	
BLOSM	DADTI	OMN, OCF, LAL, ORL	
DADTI	FSHUN_	OMN, OCF, LAL, ORL	
FSHUN_	PLUMR_		

User Data Files

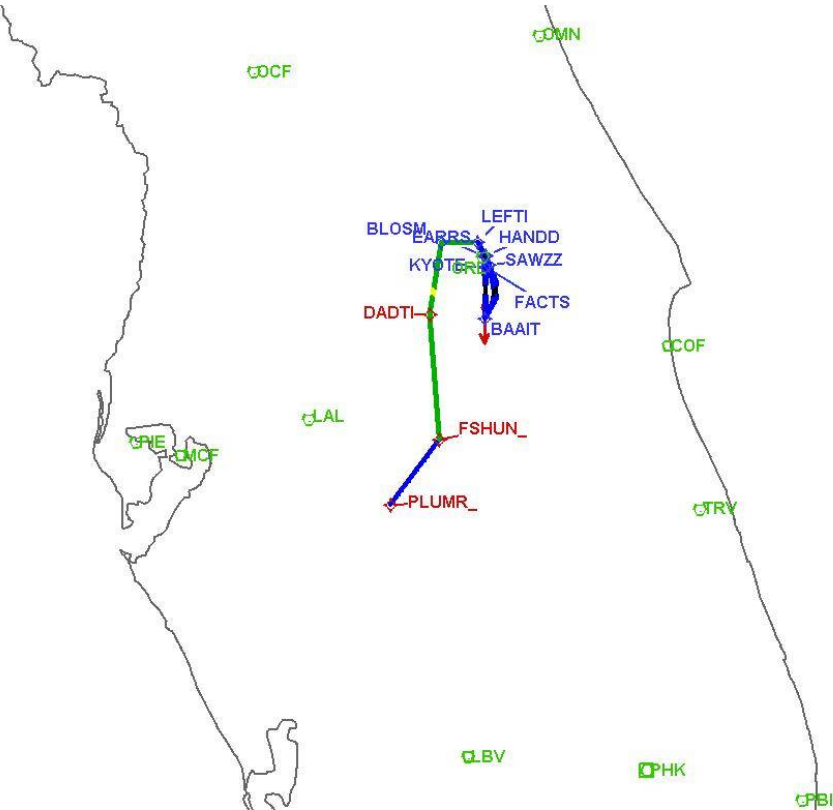
#	File Name
	None

User DMEs

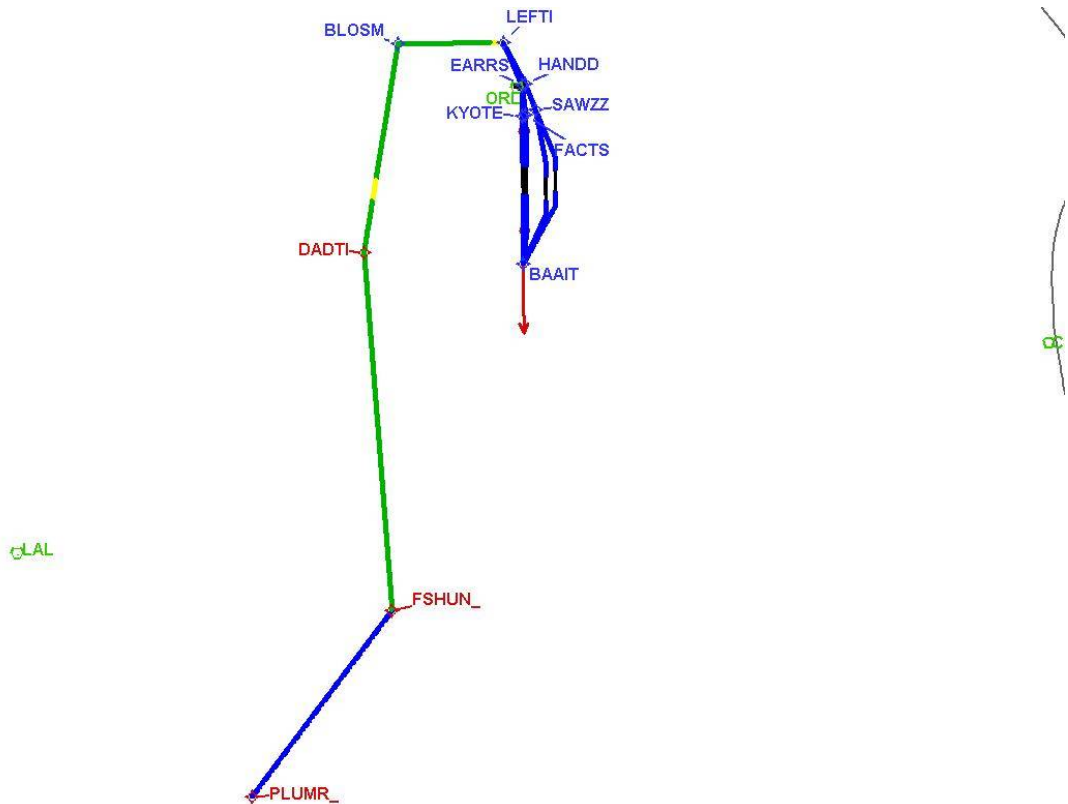
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OMN FAA 694106-20 OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	24	112.6	OMN FAA 694106-20	
	ESV:	Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
2	LAL FAA 704224-41 LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	133.8	116.0	LAL FAA 704224-41	
	ESV:	Bearing [True]: 360.0° to 77.0° Bearing [Mag]: 359.0° to 76.0°				Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 14700.0 ft		
3	OCF FAA 714002-18 OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-18	
	ESV:	Bearing [True]: 117.0° to 180.0° Bearing [Mag]: 117.0° to 180.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 20000.0 ft		



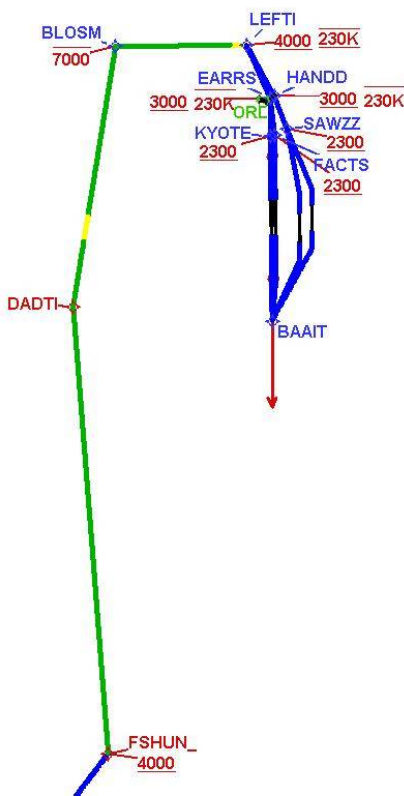
Graphic Depiction 1



Graphic Depiction 2



Graphic Depiction 3



DME DME Assessment Results for FSHUN4 path KMCO:RW35R:DER_SAWZZ

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark CTR Thompson
Project File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO FSHUN4 (RNAV) SID DME_241105.tgs
Output File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO [IFPA] FSHUN4 20241105_0838 EST\KMCO-RW35R-DER_SAWZZ\KMCO FSHUN4 SID RW35R SAWZZ 20241105_0838 EST.pdf
Procedure Name:	FSHUN4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 08:38 EST
Databases:	MITRE 3DEP 3 arcsec

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
KMCO:RW35R:DER	WP	N28° 26' 37.31", W081° 16' 57.29"	89.7	VNAV	130	FLY_BY	TF
SAWZZ	WP	N28° 31' 00.60", W081° 18' 33.91"	2300	VNAV	200	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KMCO [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 FSHUN4 path KMCO:RW35R:DER_SAWZZ

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:	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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 26' 39.43", W081° 16' 57.31"	N28° 31' 00.60", W081° 18' 33.91"	4.6282

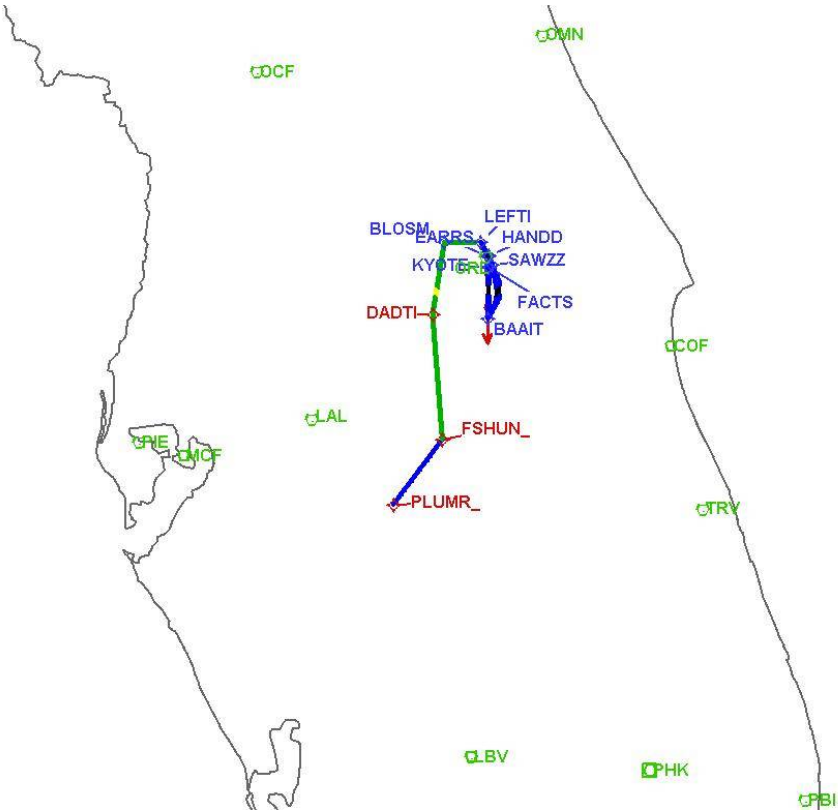
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KMCO:RW35R:DER	SAWZZ		

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OMN FAA 694106-20 OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
2	LAL FAA 704224-41 LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	133.8	116.0	LAL FAA 704224-41	
ESV:		Bearing [True]: 360.0° to 77.0° Bearing [Mag]: 359.0° to 76.0°				Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 14700.0 ft		
3	OCF FAA 714002-18 OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-18	
ESV:		Bearing [True]: 117.0° to 180.0° Bearing [Mag]: 117.0° to 180.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 20000.0 ft		



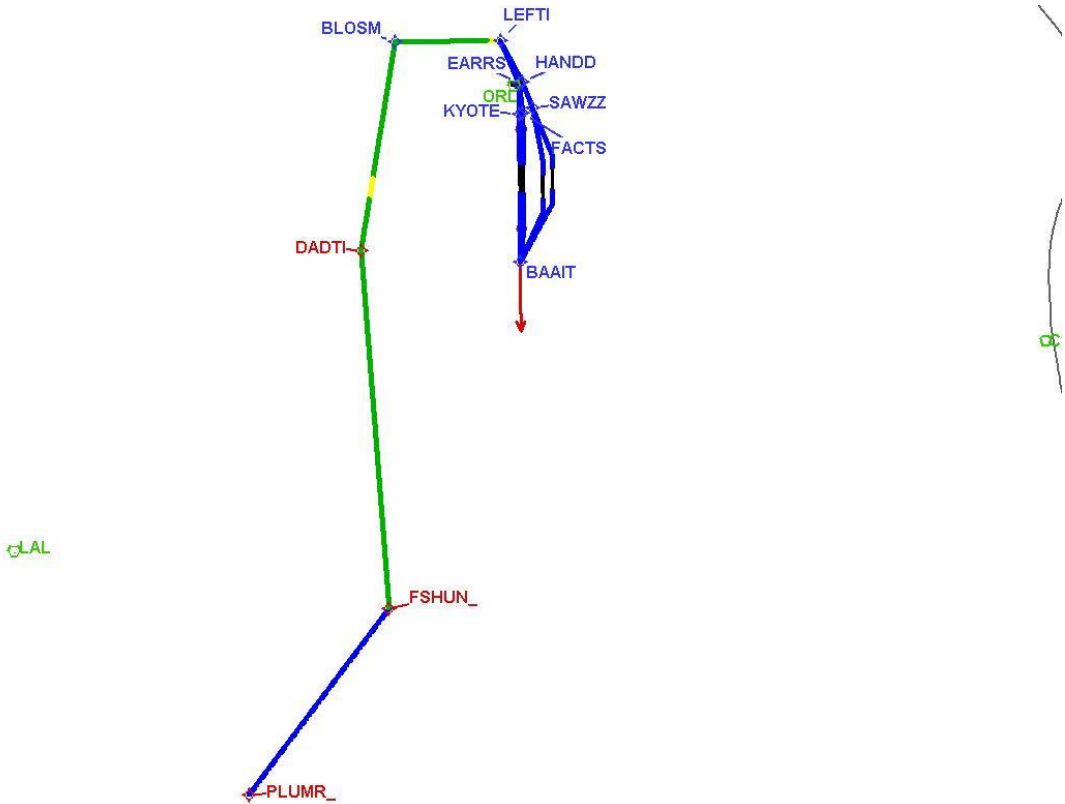
DME DME Assessment Results for FSHUN4 path KMCO:RW35R:DER_SAWZZ

Graphic Depiction 1



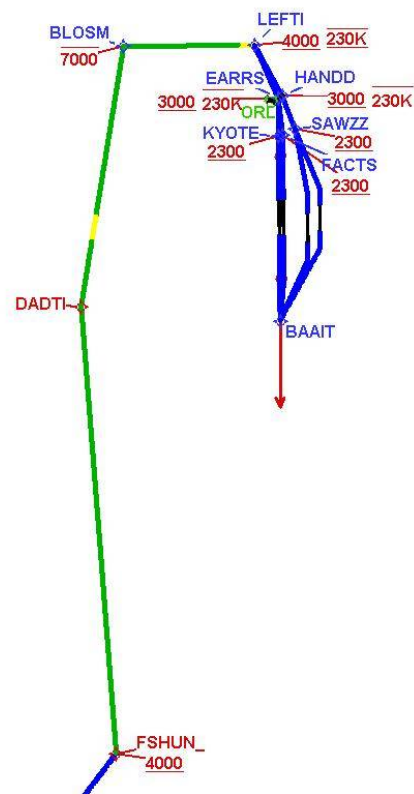
DME DME Assessment Results for FSHUN4 path KMCO:RW35R:DER_SAWZZ

Graphic Depiction 2



DME DME Assessment Results for FSHUN4 path KMCO:RW35R:DER_SAWZZ

Graphic Depiction 3



DME DME Assessment Results for FSHUN4 path KMCO:RW36L:DER_LEFTI

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark CTR Thompson
Project File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO FSHUN4 (RNAV) SID DME_241105.tgs
Output File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO [IFPA] FSHUN4 20241105_0838 EST\KMCO-RW36L-DER_LEFT\KMCO FSHUN4 SID RW36L LEFTI 20241105_0838 EST.pdf
Procedure Name:	FSHUN4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 08:38 EST
Databases:	MITRE 3DEP 3 arcsec

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
KMCO:RW36L:DER	WP	N28° 26' 53.86", W081° 19' 37.11"	92.5	VNAV	130	FLY_OVER	TF
KYOTE	WP	N28° 30' 35.80", W081° 19' 39.50"	2300	VNAV	200	FLY_BY	TF
EARRS	WP	N28° 32' 47.62", W081° 19' 40.52"	3000	VNAV	230	FLY_BY	TF
LEFTI	WP	N28° 35' 51.04", W081° 21' 12.48"	4000	VNAV	230	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability	
Flight Type:	SID
Selected Airport:	KMCO [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 FSHUN4 path KMCO:RW36L:DER_LEFTI

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:	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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	H		NO	Enabled		
2	OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	L		NO	Enabled		
3	LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	H		NO	Enabled		
4	ORL	N28° 32' 33.80", W081° 20' 06.05"	0.0 E	130	H		NO	Enabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
9.2	LAL	OCF	OMN	ORL		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 26' 56.01", W081° 19' 37.13"	N28° 35' 51.04", W081° 21' 12.48"	9.1954

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KMCO:RW36L:DER	KYOTE		
KYOTE	EARRS		
EARRS	LEFTI	OMN, OCF, LAL, ORL	

DME DME Assessment Results for FSHUN4 path KMCO:RW36L:DER_LEFTI

User Data Files

File Name

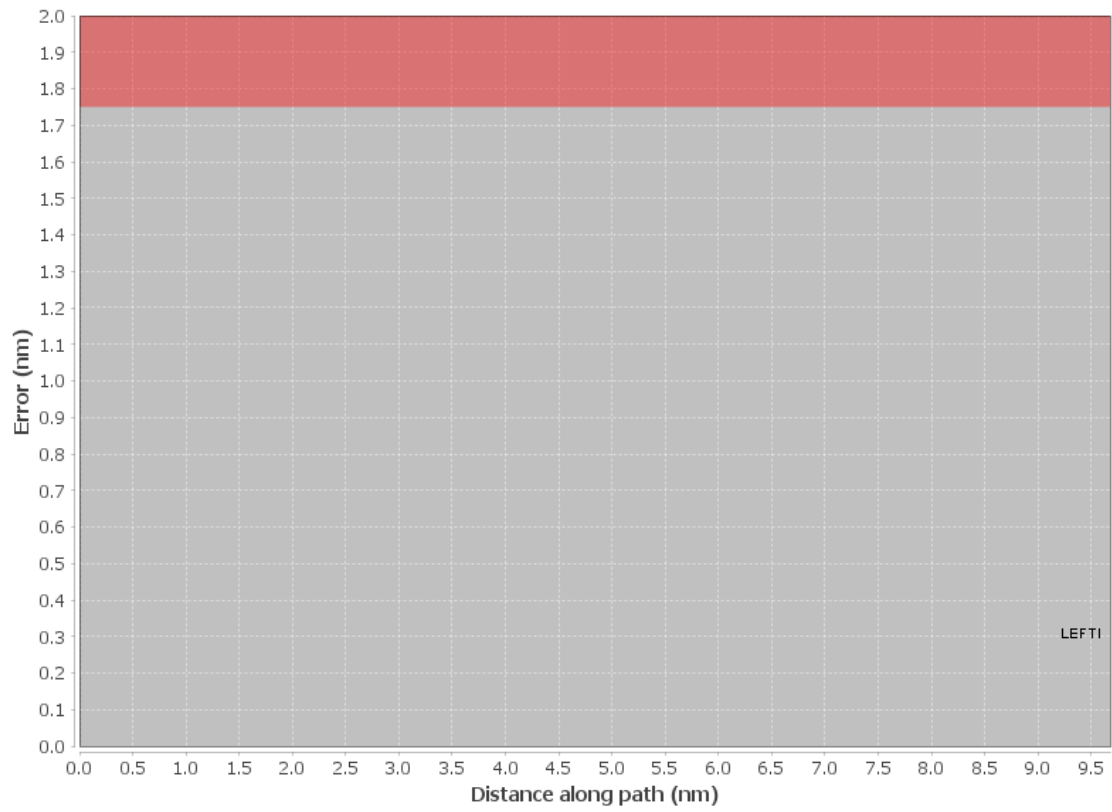
None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OMN FAA 694106-20 OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
2	LAL FAA 704224-41 LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	133.8	116.0	LAL FAA 704224-41	
ESV:		Bearing [True]: 360.0° to 77.0° Bearing [Mag]: 359.0° to 76.0°				Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 14700.0 ft		
3	OCF FAA 714002-18 OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-18	
ESV:		Bearing [True]: 117.0° to 180.0° Bearing [Mag]: 117.0° to 180.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 20000.0 ft		

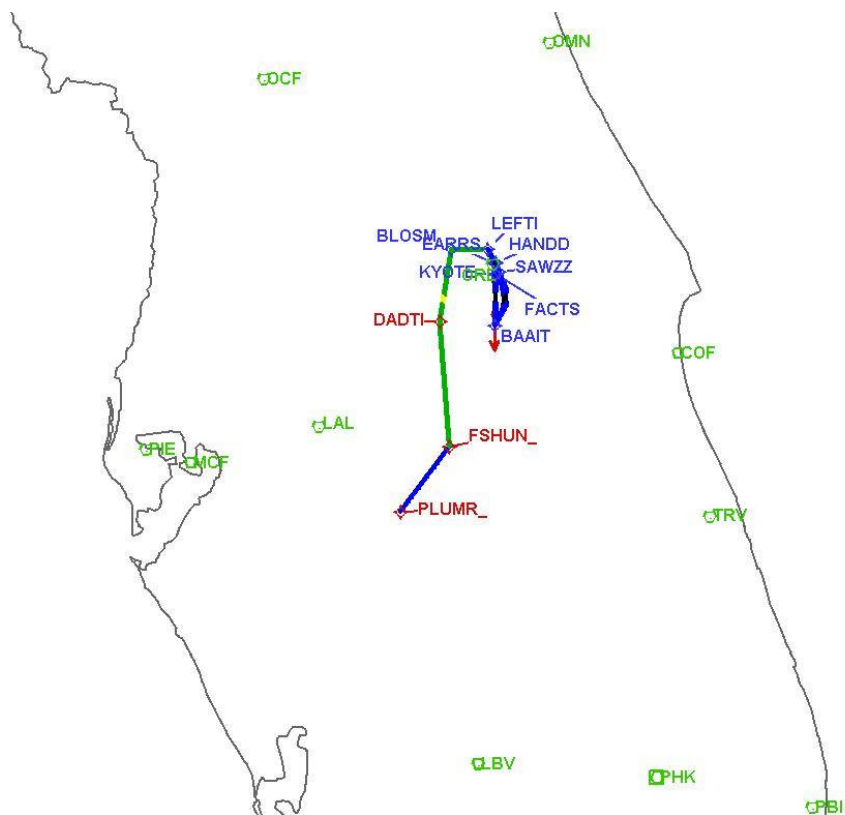
DME DME Assessment Results for FSHUN4 path KMCO:RW36L:DER_LEFTI

DME Error



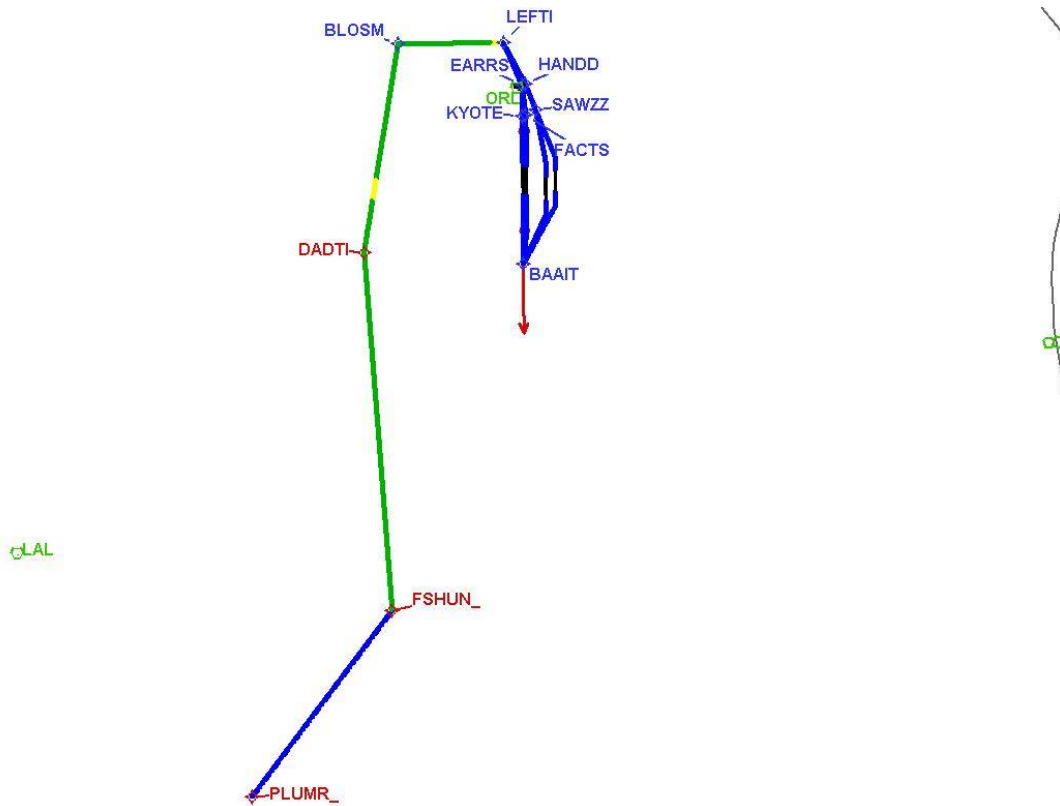
DME DME Assessment Results for FSHUN4 path KMCO:RW36L:DER_LEFTI

Graphic Depiction 1



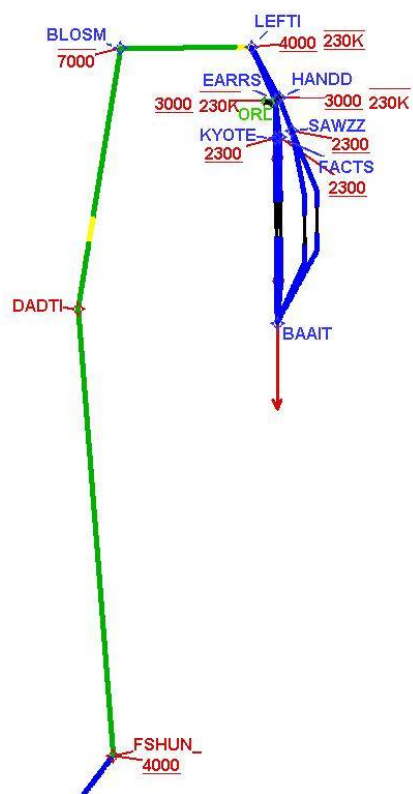
DME DME Assessment Results for FSHUN4 path KMCO:RW36L:DER_LEFTI

Graphic Depiction 2



DME DME Assessment Results for FSHUN4 path KMCO:RW36L:DER_LEFTI

Graphic Depiction 3



DME DME Assessment Results for FSHUN4 path KMCO:RW36R:DER_EARRS

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark CTR Thompson
Project File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO FSHUN4 (RNAV) SID DME_241105.tgs
Output File:	C:\Users\Mark CTR Thompson\OneDrive - Federal Aviation Administration\Desktop\RNAV Projects\RNAV Projects 2025\MCO SIDs\MCO FSHUN SID\DME\KMCO [IFPA] FSHUN4 20241105_0838 EST\KMCO-RW36R-DER_EARRS\KMCO FSHUN4 SID RW36R EARRS 20241105_0838 EST.pdf
Procedure Name:	FSHUN4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/05/2024 08:38 EST
Databases:	MITRE 3DEP 3 arcsec

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
KMCO:RW36R:DER	WP	N28° 26' 54.00", W081° 19' 20.30"	92.4	VNAV	130	FLY_OVER	TF
FACTS	WP	N28° 30' 39.75", W081° 19' 22.71"	2300	VNAV	200	FLY_BY	TF
EARRS	WP	N28° 32' 47.62", W081° 19' 40.52"	3000	VNAV	230	FLY_BY	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KMCO [IFPA]
Climb Gradient:	200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 FSHUN4 path KMCO:RW36R:DER_EARRS

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:	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:	None

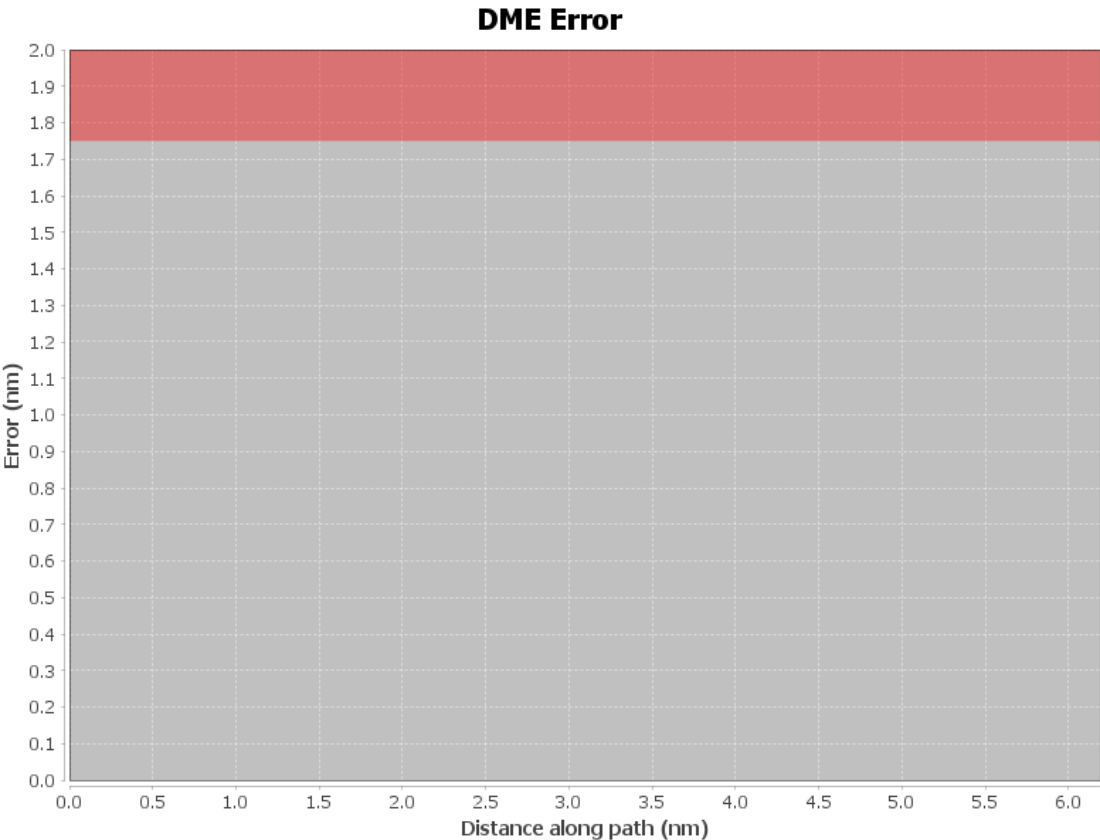
DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N28° 26' 56.15", W081° 19' 20.33"	N28° 32' 47.62", W081° 19' 40.52"	5.8688

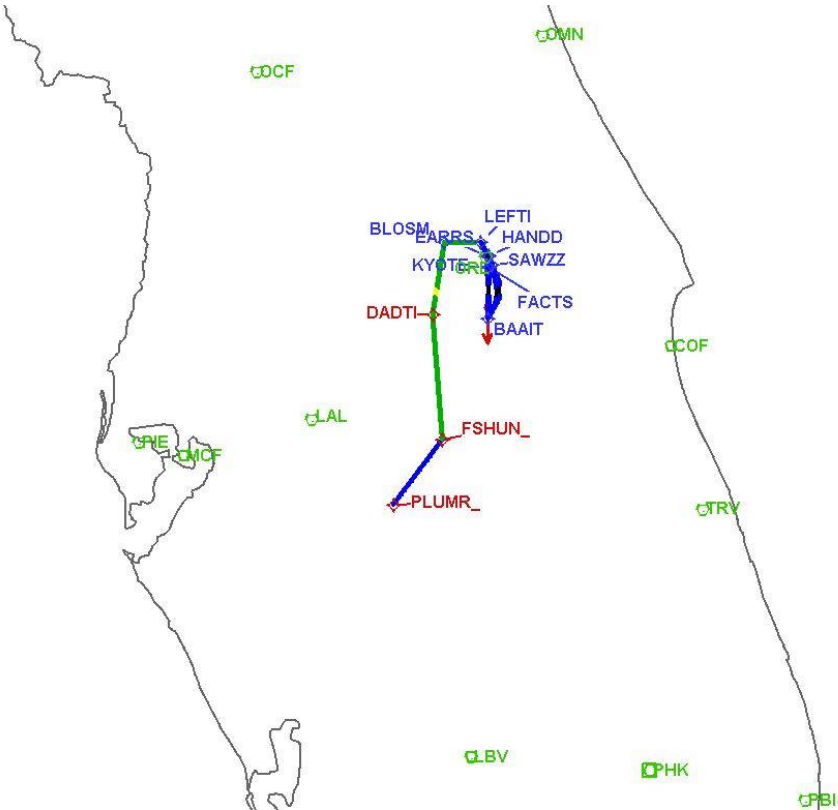
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KMCO:RW36R:DER	FACTS		
FACTS	EARRS		

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	OMN FAA 694106-20 OMN	N29° 18' 11.70", W081° 06' 45.71"	0.0 E	130	24	112.6	OMN FAA 694106-20	
ESV:		Bearing [True]: 190.0° to 255.0° Bearing [Mag]: 190.0° to 255.0°				Arc Distance: Out to 72.0 NM Altitude: 3000.0 to 14600.0 ft		
2	LAL FAA 704224-41 LAL	N27° 59' 10.31", W082° 00' 50.06"	1.0 E	130	133.8	116.0	LAL FAA 704224-41	
ESV:		Bearing [True]: 360.0° to 77.0° Bearing [Mag]: 359.0° to 76.0°				Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 14700.0 ft		
3	OCF FAA 714002-18 OCF	N29° 10' 38.92", W082° 13' 34.80"	0.0 E	40	78.3	113.7	OCF FAA 714002-18	
ESV:		Bearing [True]: 117.0° to 180.0° Bearing [Mag]: 117.0° to 180.0°				Arc Distance: Out to 80.0 NM Altitude: 4000.0 to 20000.0 ft		



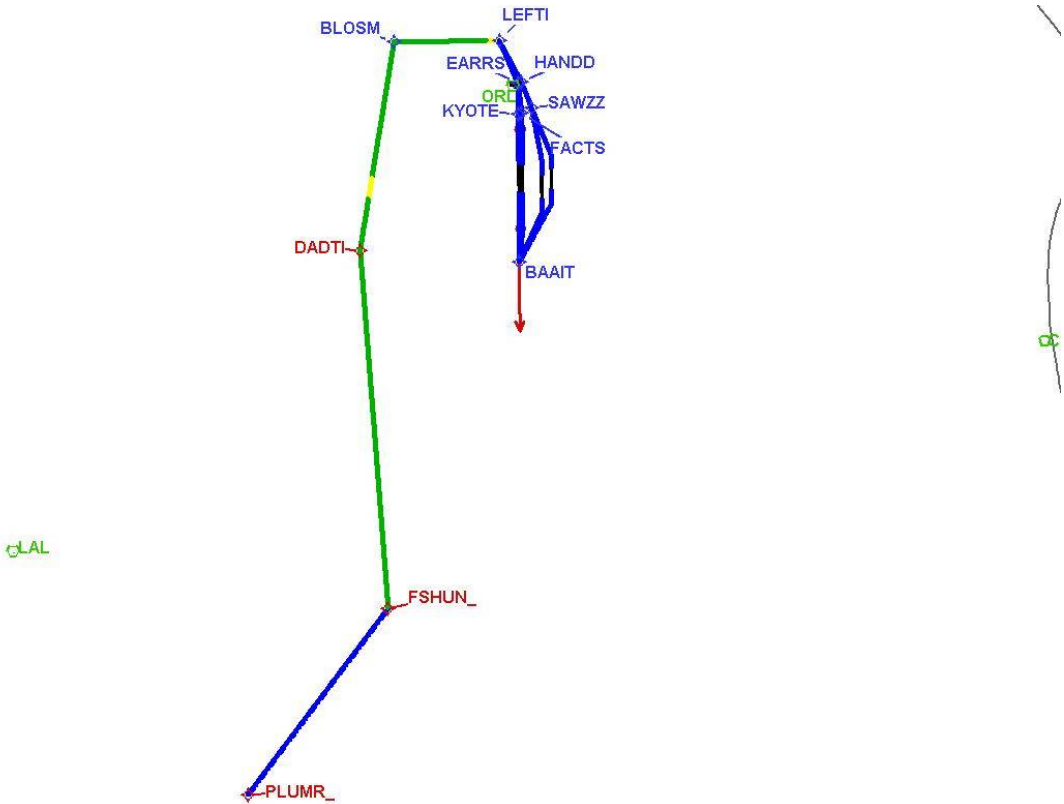
DME DME Assessment Results for FSHUN4 path KMCO:RW36R:DER_EARRS

Graphic Depiction 1



DME DME Assessment Results for FSHUN4 path KMCO:RW36R:DER_EARRS

Graphic Depiction 2



DME DME Assessment Results for FSHUN4 path KMCO:RW36R:DER_EARRS

Graphic Depiction 3

