

DME DME Assessment Results for LIKES4 path BIEST_LIKES

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KAFW\KAFW LIKES4\KAFW LIKES4 20250130.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KAFW\KAFW LIKES4\KAFW [IFPA] LIKES4 20250130_1424 EST\BIEST_LIKES\KAFW LIKES4 RNAV STAR BIEST LIKES 20250130_1424 EST.pdf
Procedure Name:	LIKES4
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/30/2025 14:24 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
BIEST	WP	N31° 24' 47.2400", W098° 16' 01.6100"	10000	VNAV	200	FLY_BY	TF
HRLIP	WP	N31° 32' 51.2100", W098° 20' 33.7900"	10000	VNAV	200	FLY_BY	TF
FOSSL	WP	N32° 14' 19.2700", W097° 52' 59.3700"	10000	VNAV	200	FLY_BY	TF
SLUGG	WP	N32° 28' 08.2600", W097° 43' 41.3900"	4000	VNAV	200	FLY_BY	TF
LIKES	WP	N32° 35' 12.9900", W097° 34' 30.1400"	4000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KAFW [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 LIKES4 path BIEST_LIKES

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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ACT	N31° 39' 44.0317", W097° 16' 08.4498"	9.0 E	130	H		NO	Enabled	23.3 %	23.3 %
2	JEN	N32° 09' 34.5200", W097° 52' 39.6500"	6.0 E	40	L		NO	Enabled	57.6 %	57.6 %
3	CVE	N32° 53' 25.1172", W096° 54' 14.2809"	6.0 E	130	DH		NO	Enabled	89.2 %	89.2 %
4	AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	H		NO	Enabled	72.5 %	72.5 %
5	TTT	N32° 52' 08.9750", W097° 02' 25.8087"	6.0 E	130	H		NO	Enabled	9.9 %	9.9 %
6	CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	H		NO	Enabled	46.9 %	47 %
7	FUZ	N32° 53' 22.0157", W097° 10' 45.9332"	6.0 E	130	H		NO	Enabled	15.8 %	15.8 %
8	MQP	N32° 43' 34.2500", W097° 59' 50.7900"	9.0 E	130	H		NO	Enabled	100 %	100 %
9	BWD	N31° 53' 33.2971", W098° 57' 26.8567"	8.0 E	40	L		NO	Enabled	0.3 %	0.3 %

DME DME Assessment Results for LIKES4 path BIEST_LIKES

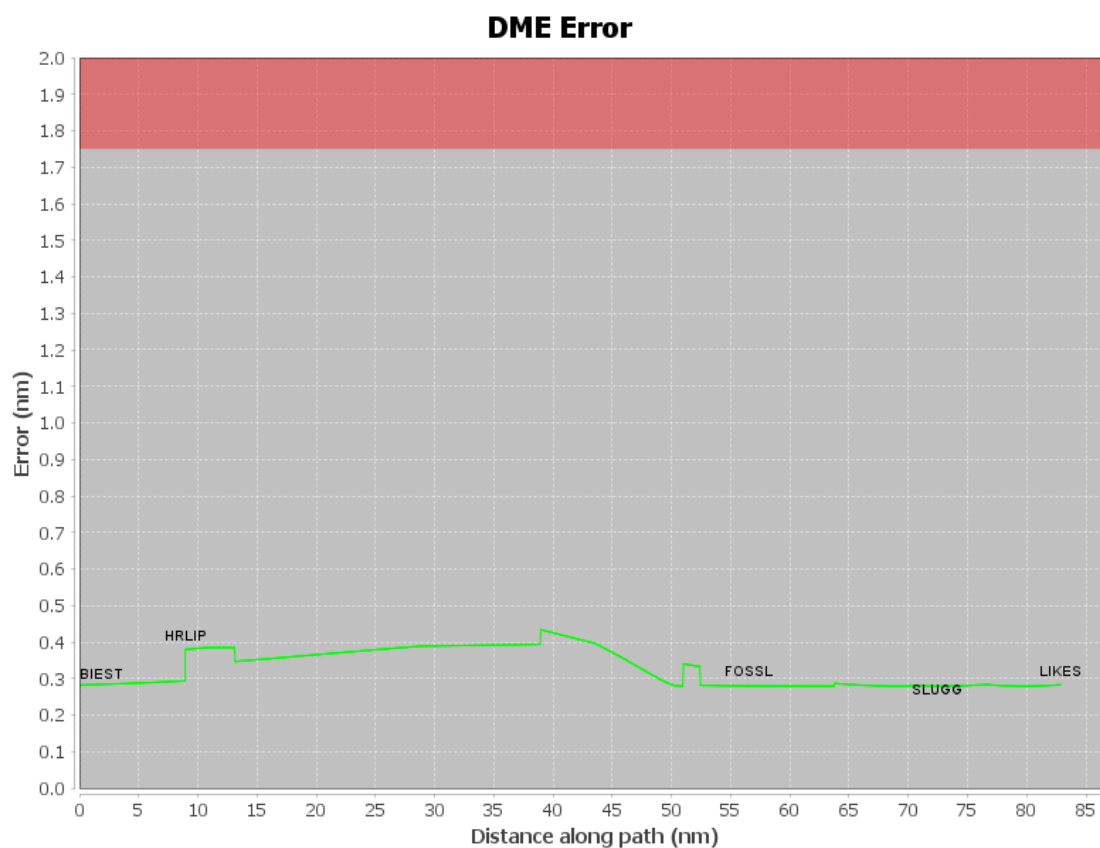
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ACT	AGJ	CWK	MQP		
8.7	ACT	AGJ	MQP	BWD	CWK	
9.0	CVE	AGJ	CWK	MQP		
13.2	CWK	JEN	AGJ	CVE	MQP	
39.0	MQP	CVE	AGJ	JEN		
42.8	MQP	CVE	AGJ			
53.3	ACT	CVE	MQP	AGJ		
60.1	ACT	CVE	MQP	JEN		
60.2	ACT	CVE	MQP			
60.8	ACT	CVE	MQP	JEN		
63.8	MQP	CVE				
67.7	MQP	CVE	JEN			
69.8	MQP	CVE	FUZ	JEN		
74.7	MQP	FUZ	TTT	CVE	JEN	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BIEST	HRLIP	ACT, AGJ, CWK, MQP, BWD	
HRLIP	FOSSL	JEN, ACT, CVE, AGJ, CWK, MQP	
FOSSL	SLUGG	ACT, JEN, CVE, AGJ, FUZ, MQP	
SLUGG	LIKES	JEN, CVE, TTT, FUZ, MQP	

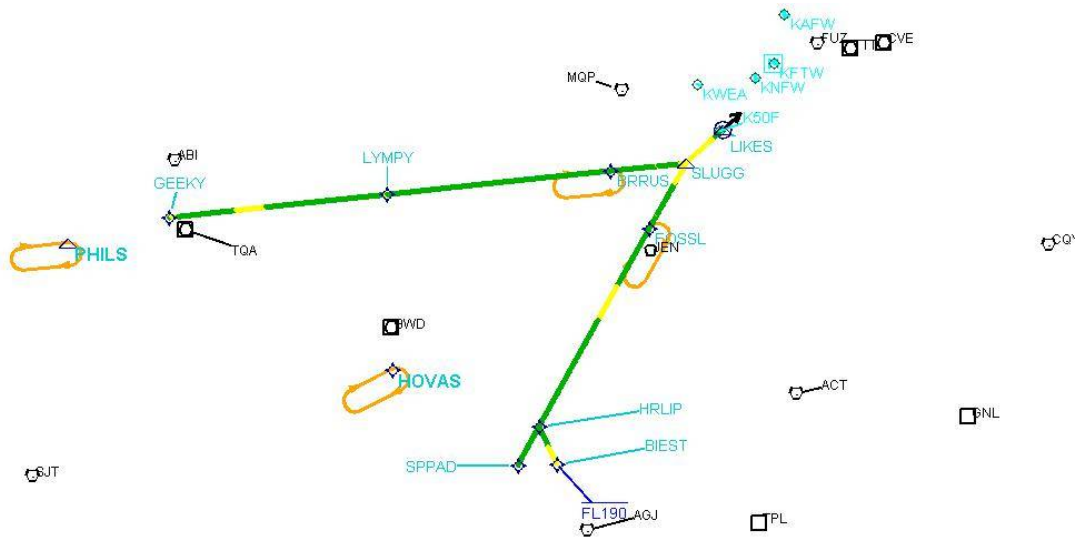
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	AGJ FAA 767088-36 AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	1190.8	112.5	AGJ FAA 767088-36	
ESV:		Bearing [True]: 315.0° to 17.0° Bearing [Mag]: 310.0° to 12.0°				Arc Distance: Out to 100.0 NM Altitude: 8200.0 to 15700.0 ft		
2	ACT FAA 704207-62 ACT	N31° 39' 44.0317", W097° 16' 08.4498"	9.0 E	130	507.1	115.3	ACT FAA 704207-62	
ESV:		Bearing [True]: 313.0° to 352.0° Bearing [Mag]: 304.0° to 343.0°				Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 15100.0 ft		
3	CWK FAA 970907-35 CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-35	
ESV:		Bearing [True]: 326.0° to 355.0° Bearing [Mag]: 320.0° to 349.0°				Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 15100.0 ft		
4	MQP FAA 698238-72 MQP	N32° 43' 34.2500", W097° 59' 50.7900"	9.0 E	130	900	117.7	MQP FAA 698238-72	
ESV:		Bearing [True]: 113.0° to 266.0° Bearing [Mag]: 104.0° to 257.0°				Arc Distance: Out to 98.0 NM Altitude: 6000.0 to 15400.0 ft		
5	ESV ACT [IFPA] ACT	N31° 39' 44.0317", W097° 16' 08.4498"	9.0 E	130	507.1	115.3	ESV ACT [IFPA]	
ESV:		Bearing [True]: 253.0° to 265.0° Bearing [Mag]: 244.0° to 256.0°				Arc Distance: Out to 65.0 NM Altitude: 9900.0 to 15100.0 ft		
6	SJT FAA 704198-16 SJT	N31° 22' 29.8402", W100° 27' 17.5330"	10.0 E	130	1886.1	115.1	SJT FAA 704198-16	
ESV:		Bearing [True]: 22.0° to 45.0° Bearing [Mag]: 12.0° to 35.0°				Arc Distance: Out to 87.0 NM Altitude: 9900.0 to 16400.0 ft		
7	BWD FAA 212001-5 BWD	N31° 53' 33.2971", W098° 57' 26.8567"	8.0 E	40	1574.3	113.55	BWD FAA 212001-5	
ESV:		Bearing [True]: 291.0° to 302.0° Bearing [Mag]: 283.0° to 294.0°				Arc Distance: Out to 55.0 NM Altitude: 9900.0 to 19600.0 ft		

DME DME Assessment Results for LIKES4 path BIEST_LIKES



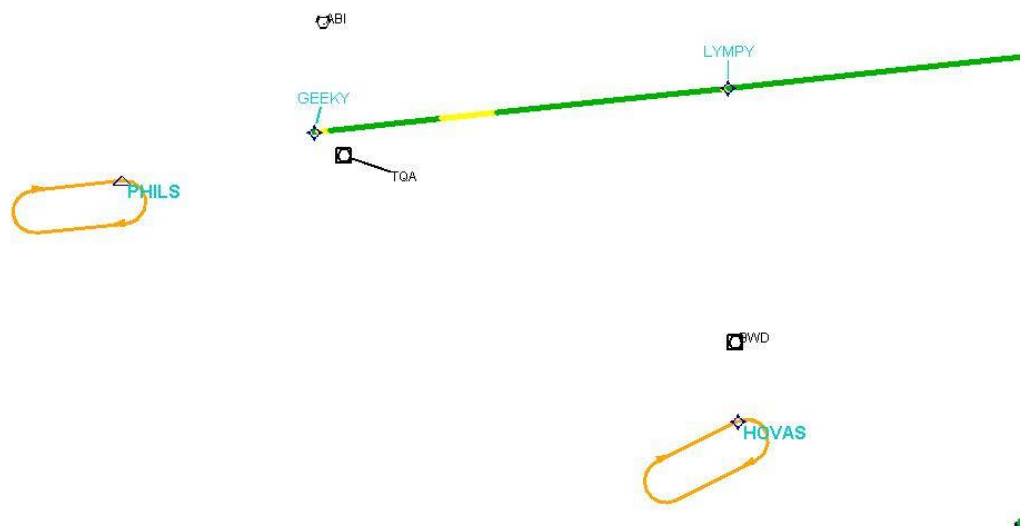
Graphic Depiction 1

DME DME Assessment Results for LIKES4 path BIEST_LIKES



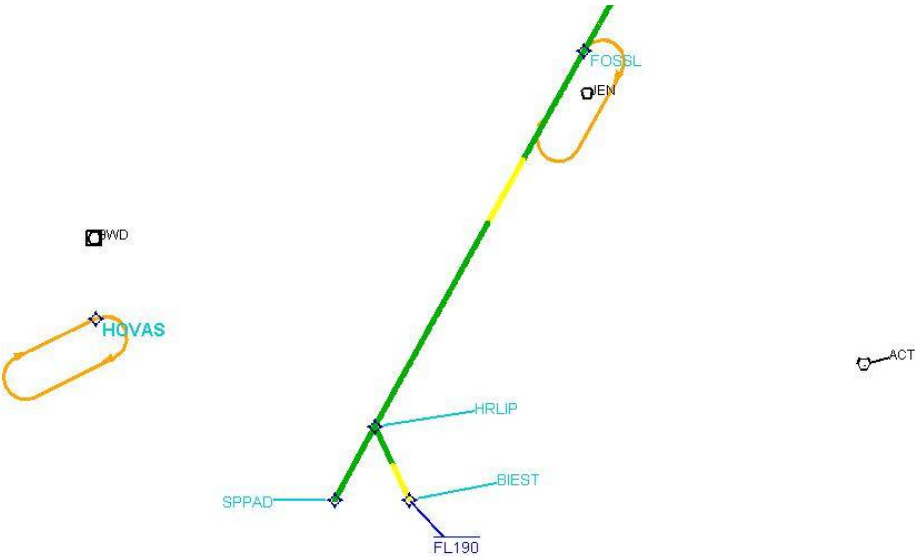
Graphic Depiction 2

DME DME Assessment Results for LIKES4 path BIEST_LIKES



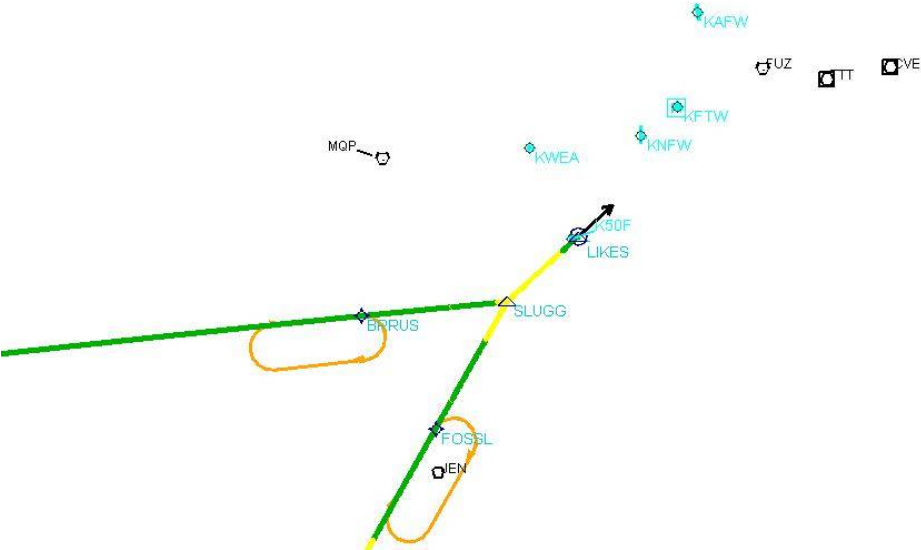
Graphic Depiction 3

DME DME Assessment Results for LIKES4 path BIEST_LIKES



DME DME Assessment Results for LIKES4 path BIEST_LIKES

Graphic Depiction 4



DME DME Assessment Results for LIKES4 path GEEKY_SLUGG

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KAFW\KAFW LIKES4\KAFW LIKES4 20250130.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KAFW\KAFW LIKES4\KAFW [IFPA] LIKES4 20250130_1424 EST\GEEKY_SLUGG\KAFW LIKES4 RNAV STAR GEEKY SLUGG 20250130_1424 EST.pdf
Procedure Name:	LIKES4
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/30/2025 14:24 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
GEEKY	WP	N32° 16' 46.3200", W099° 53' 01.0900"	10000	VNAV	200	FLY_BY	TF
LYMPY	WP	N32° 21' 37.8600", W098° 58' 27.2800"	10000	VNAV	200	FLY_BY	TF
BRRUS	WP	N32° 26' 35.6400", W098° 02' 33.6000"	10000	VNAV	200	FLY_BY	TF
SLUGG	WP	N32° 28' 08.2600", W097° 43' 41.3900"	4000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KAFW [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 LIKES4 path GEEKY_SLUGG

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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	JEN	N32° 09' 34.5200", W097° 52' 39.6500"	6.0 E	40	L		NO	Enabled	39.1 %	39.1 %
2	CVE	N32° 53' 25.1172", W096° 54' 14.2809"	6.0 E	130	DH		NO	Enabled	58.4 %	58.4 %
3	AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	H		NO	Enabled	57.2 %	57.2 %
4	TQA	N32° 14' 08.6750", W099° 49' 00.4180"	10.0 E	40	L		NO	Enabled	34.7 %	34.7 %
5	ABI	N32° 28' 52.7901", W099° 51' 48.4333"	10.0 E	130	H		NO	Enabled	32.9 %	32.9 %
6	FUZ	N32° 53' 22.0157", W097° 10' 45.9332"	6.0 E	130	H		NO	Enabled	1 %	1 %
7	SJT	N31° 22' 29.8402", W100° 27' 17.5330"	10.0 E	130	H		NO	Enabled	21.4 %	21.4 %
8	MQP	N32° 43' 34.2500", W097° 59' 50.7900"	9.0 E	130	H		NO	Enabled	98.7 %	98.7 %
9	BWD	N31° 53' 33.2971", W098° 57' 26.8567"	8.0 E	40	L		NO	Enabled	50.5 %	50.5 %

DME DME Assessment Results for LIKES4 path GEEKY_SLUGG

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SJT	BWD	TQA	ABI		
0.3	SJT	BWD	ABI			
0.4	SJT	BWD	TQA	ABI		
1.2	SJT	BWD	TQA	ABI	MQP	
1.8	SJT	BWD	ABI			
2.0	SJT	BWD	ABI	MQP		
3.3	MQP	ABI	SJT			
5.9	ABI	TQA	MQP	SJT		
15.9	SJT	BWD	ABI	TQA	MQP	
23.6	BWD	TQA	MQP	ABI		
23.9	BWD	TQA	MQP	AGJ	ABI	
27.5	MQP	BWD	TQA	AGJ		
30.3	MQP	BWD	TQA	AGJ	ABI	
39.2	MQP	BWD	TQA	AGJ		
42.6	MQP	BWD	AGJ			
45.8	MQP	BWD	AGJ	CVE		
67.1	BWD	JEN	MQP	CVE		
67.7	BWD	JEN	AGJ	MQP	CVE	
68.4	AGJ	MQP	CVE	JEN		
84.8	MQP	JEN	CVE			
94.7	CVE	JEN	MQP	AGJ		
97.7	CVE	JEN	MQP			
109.0	MQP	FUZ	CVE	JEN		

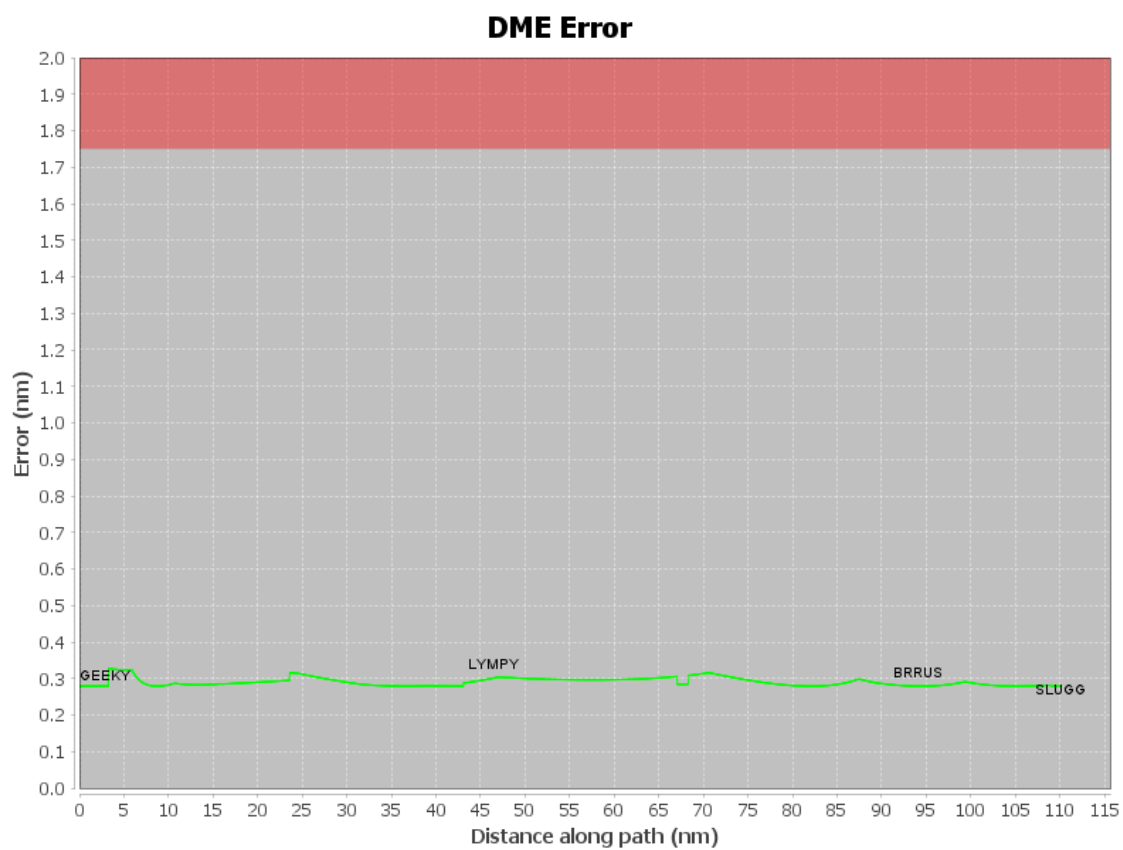
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
GEEKY	LYMPY	CVE, AGJ, TQA, ABI, SJT, MQP, BWD	
LYMPY	BRRUS	JEN, CVE, AGJ, MQP, BWD	
BRRUS	SLUGG	JEN, CVE, AGJ, FUZ, MQP	

DME DME Assessment Results for LIKES4 path GEEKY_SLUGG

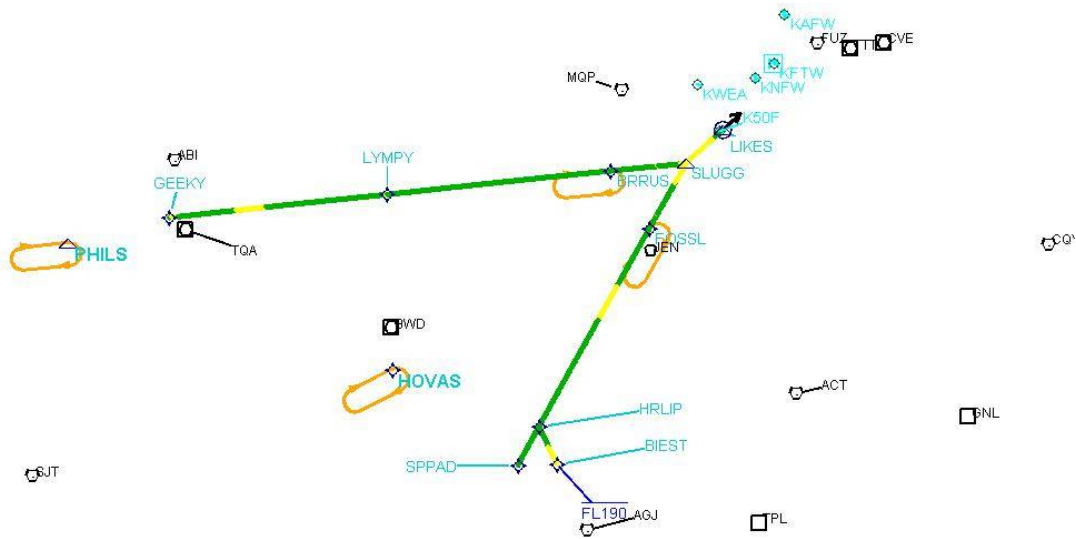
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	AGJ FAA 767088-36 AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	1190.8	112.5	AGJ FAA 767088-36	
ESV:		Bearing [True]: 315.0° to 17.0° Bearing [Mag]: 310.0° to 12.0°				Arc Distance: Out to 100.0 NM Altitude: 8200.0 to 15700.0 ft		
2	ACT FAA 704207-62 ACT	N31° 39' 44.0317", W097° 16' 08.4498"	9.0 E	130	507.1	115.3	ACT FAA 704207-62	
ESV:		Bearing [True]: 313.0° to 352.0° Bearing [Mag]: 304.0° to 343.0°				Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 15100.0 ft		
3	CWK FAA 970907-35 CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-35	
ESV:		Bearing [True]: 326.0° to 355.0° Bearing [Mag]: 320.0° to 349.0°				Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 15100.0 ft		
4	MQP FAA 698238-72 MQP	N32° 43' 34.2500", W097° 59' 50.7900"	9.0 E	130	900	117.7	MQP FAA 698238-72	
ESV:		Bearing [True]: 113.0° to 266.0° Bearing [Mag]: 104.0° to 257.0°				Arc Distance: Out to 98.0 NM Altitude: 6000.0 to 15400.0 ft		
5	ESV ACT [IFPA] ACT	N31° 39' 44.0317", W097° 16' 08.4498"	9.0 E	130	507.1	115.3	ESV ACT [IFPA]	
ESV:		Bearing [True]: 253.0° to 265.0° Bearing [Mag]: 244.0° to 256.0°				Arc Distance: Out to 65.0 NM Altitude: 9900.0 to 15100.0 ft		
6	SJT FAA 704198-16 SJT	N31° 22' 29.8402", W100° 27' 17.5330"	10.0 E	130	1886.1	115.1	SJT FAA 704198-16	
ESV:		Bearing [True]: 22.0° to 45.0° Bearing [Mag]: 12.0° to 35.0°				Arc Distance: Out to 87.0 NM Altitude: 9900.0 to 16400.0 ft		
7	BWD FAA 212001-5 BWD	N31° 53' 33.2971", W098° 57' 26.8567"	8.0 E	40	1574.3	113.55	BWD FAA 212001-5	
ESV:		Bearing [True]: 291.0° to 302.0° Bearing [Mag]: 283.0° to 294.0°				Arc Distance: Out to 55.0 NM Altitude: 9900.0 to 19600.0 ft		

DME DME Assessment Results for LIKES4 path GEEKY_SLUGG



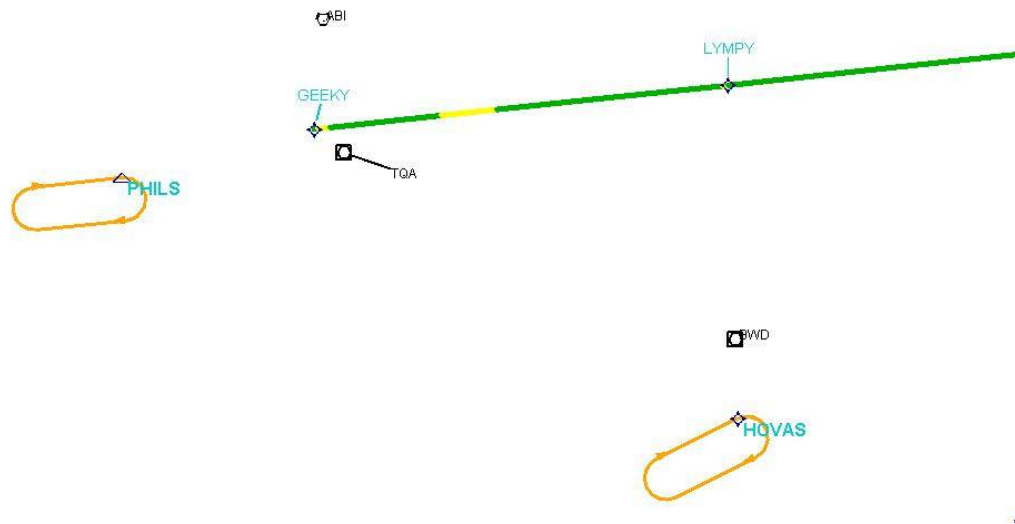
DME DME Assessment Results for LIKES4 path GEEKY_SLUGG

Graphic Depiction 1



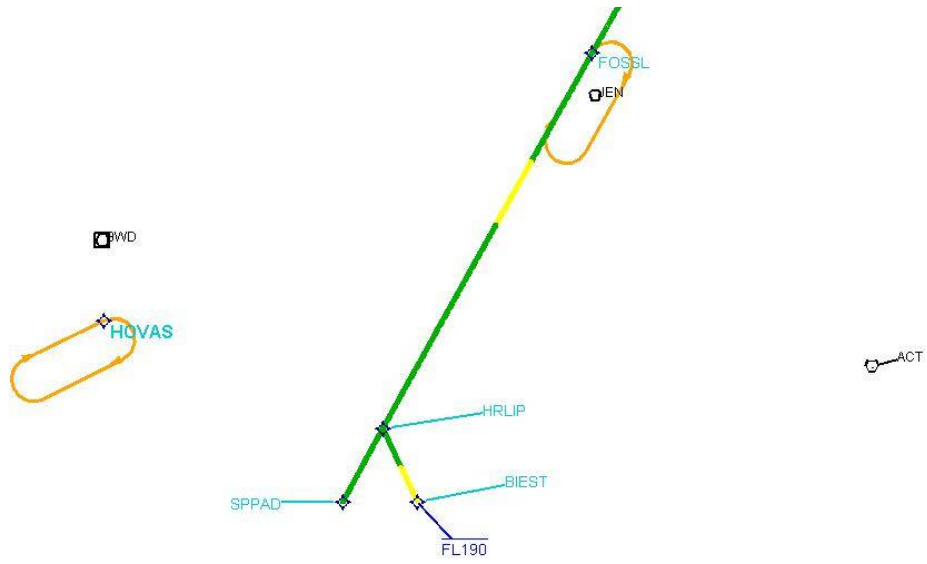
Graphic Depiction 2

DME DME Assessment Results for LIKES4 path GEEKY_SLUGG



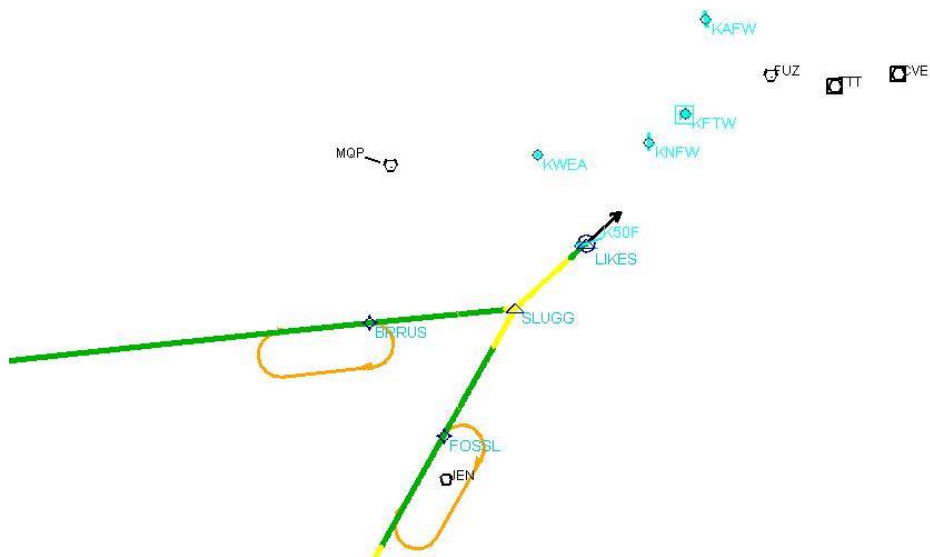
Graphic Depiction 3

DME DME Assessment Results for LIKES4 path GEEKY_SLUGG



DME DME Assessment Results for LIKES4 path GEEKY_SLUGG

Graphic Depiction 4



DME DME Assessment Results for LIKES4 path SPPAD_HRLIP

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KAFW\KAFW LIKES4\KAFW LIKES4 20250130.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KAFW\KAFW LIKES4\KAFW [IFPA] LIKES4 20250130_1424 EST\SPPAD_HRLIP\KAFW LIKES4 RNAV STAR SPPAD HRLIP 20250130_1424 EST.pdf
Procedure Name:	LIKES4
Software: DmeDmePlugin:	7.4.1
Date/Time:	01/30/2025 14:24 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
SPPAD	WP	N31° 24' 45.3000", W098° 25' 49.2000"	10000	VNAV	200	FLY_BY	TF
HRLIP	WP	N31° 32' 51.2100", W098° 20' 33.7900"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KAFW [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 LIKES4 path SPPAD_HRLIP

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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ACT	N31° 39' 44.0317", W097° 16' 08.4498"	9.0 E	130	H		NO	Enabled	93.4 %	93.4 %
2	CVE	N32° 53' 25.1172", W096° 54' 14.2809"	6.0 E	130	DH		NO	Enabled	7.2 %	7.2 %
3	AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	H		NO	Enabled	100 %	100 %
4	CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	H		NO	Enabled	34.1 %	34.1 %
5	MQP	N32° 43' 34.2500", W097° 59' 50.7900"	9.0 E	130	H		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ACT	AGJ	MQP			
6.1	ACT	AGJ	MQP	CWK		
8.6	ACT	AGJ	MQP	CWK	CVE	
8.7	CVE	AGJ	CWK	MQP		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SPPAD	HRLIP	ACT, CVE, AGJ, CWK, MQP	

DME DME Assessment Results for LIKES4 path SPPAD_HRLIP

User Data Files

File Name

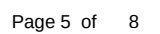
None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	AGJ FAA 767088-36 AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	1190.8	112.5	AGJ FAA 767088-36	
ESV:		Bearing [True]: 315.0° to 17.0° Bearing [Mag]: 310.0° to 12.0°				Arc Distance: Out to 100.0 NM Altitude: 8200.0 to 15700.0 ft		
2	ACT FAA 704207-62 ACT	N31° 39' 44.0317", W097° 16' 08.4498"	9.0 E	130	507.1	115.3	ACT FAA 704207-62	
ESV:		Bearing [True]: 313.0° to 352.0° Bearing [Mag]: 304.0° to 343.0°				Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 15100.0 ft		
3	CWK FAA 970907-35 CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-35	
ESV:		Bearing [True]: 326.0° to 355.0° Bearing [Mag]: 320.0° to 349.0°				Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 15100.0 ft		
4	MQP FAA 698238-72 MQP	N32° 43' 34.2500", W097° 59' 50.7900"	9.0 E	130	900	117.7	MQP FAA 698238-72	
ESV:		Bearing [True]: 113.0° to 266.0° Bearing [Mag]: 104.0° to 257.0°				Arc Distance: Out to 98.0 NM Altitude: 6000.0 to 15400.0 ft		
5	ESV ACT [IFPA] ACT	N31° 39' 44.0317", W097° 16' 08.4498"	9.0 E	130	507.1	115.3	ESV ACT [IFPA]	
ESV:		Bearing [True]: 253.0° to 265.0° Bearing [Mag]: 244.0° to 256.0°				Arc Distance: Out to 65.0 NM Altitude: 9900.0 to 15100.0 ft		
6	SJT FAA 704198-16 SJT	N31° 22' 29.8402", W100° 27' 17.5330"	10.0 E	130	1886.1	115.1	SJT FAA 704198-16	
ESV:		Bearing [True]: 22.0° to 45.0° Bearing [Mag]: 12.0° to 35.0°				Arc Distance: Out to 87.0 NM Altitude: 9900.0 to 16400.0 ft		
7	BWD FAA 212001-5 BWD	N31° 53' 33.2971", W098° 57' 26.8567"	8.0 E	40	1574.3	113.55	BWD FAA 212001-5	
ESV:		Bearing [True]: 291.0° to 302.0° Bearing [Mag]: 283.0° to 294.0°				Arc Distance: Out to 55.0 NM Altitude: 9900.0 to 19600.0 ft		

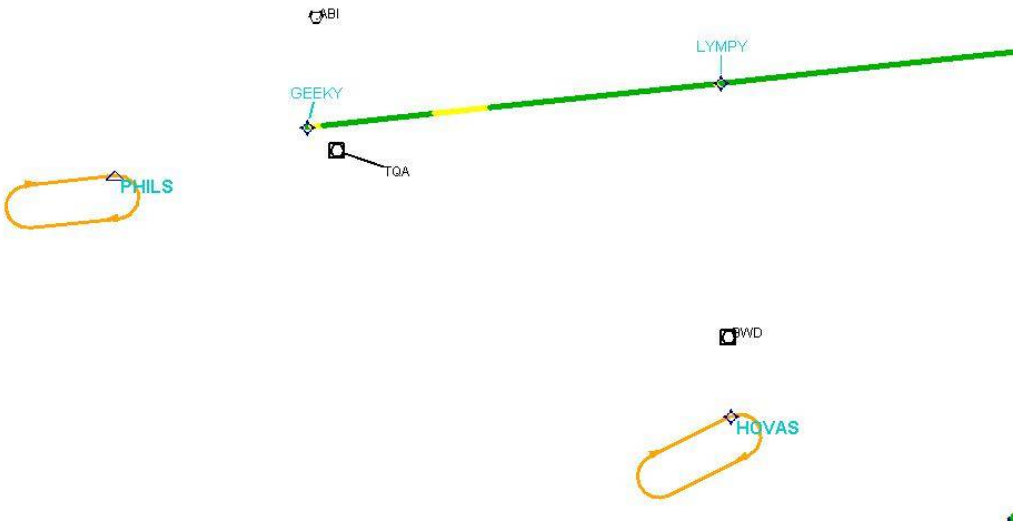


Graphic Depiction 1



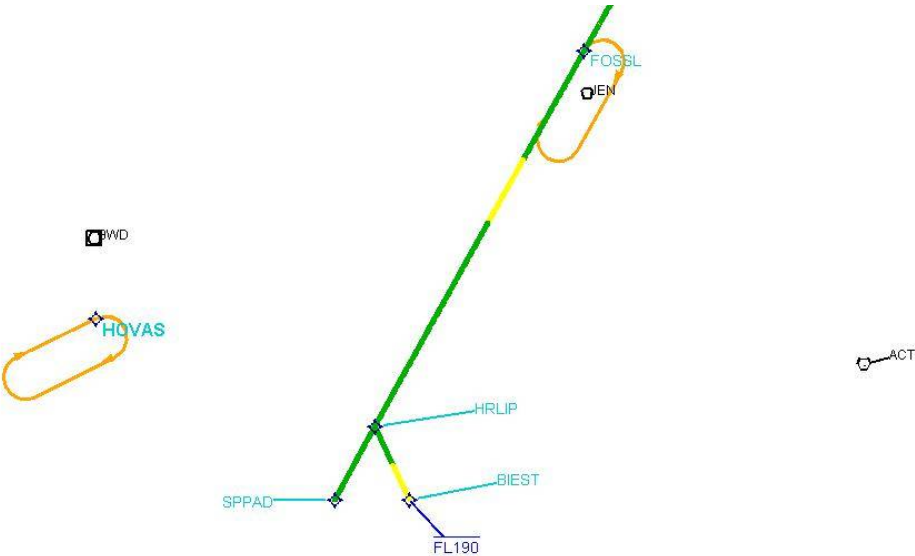
DME DME Assessment Results for LIKES4 path SPPAD_HRLIP

Graphic Depiction 2



DME DME Assessment Results for LIKES4 path SPPAD_HRLIP

Graphic Depiction 3



DME DME Assessment Results for LIKES4 path SPPAD_HRLIP

Graphic Depiction 4

