AMEEE (RNAV)

Point Of Contact

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POC's Name - BRYAN LEHMAN

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TARGETS Distribution Package

Version:6.0.0
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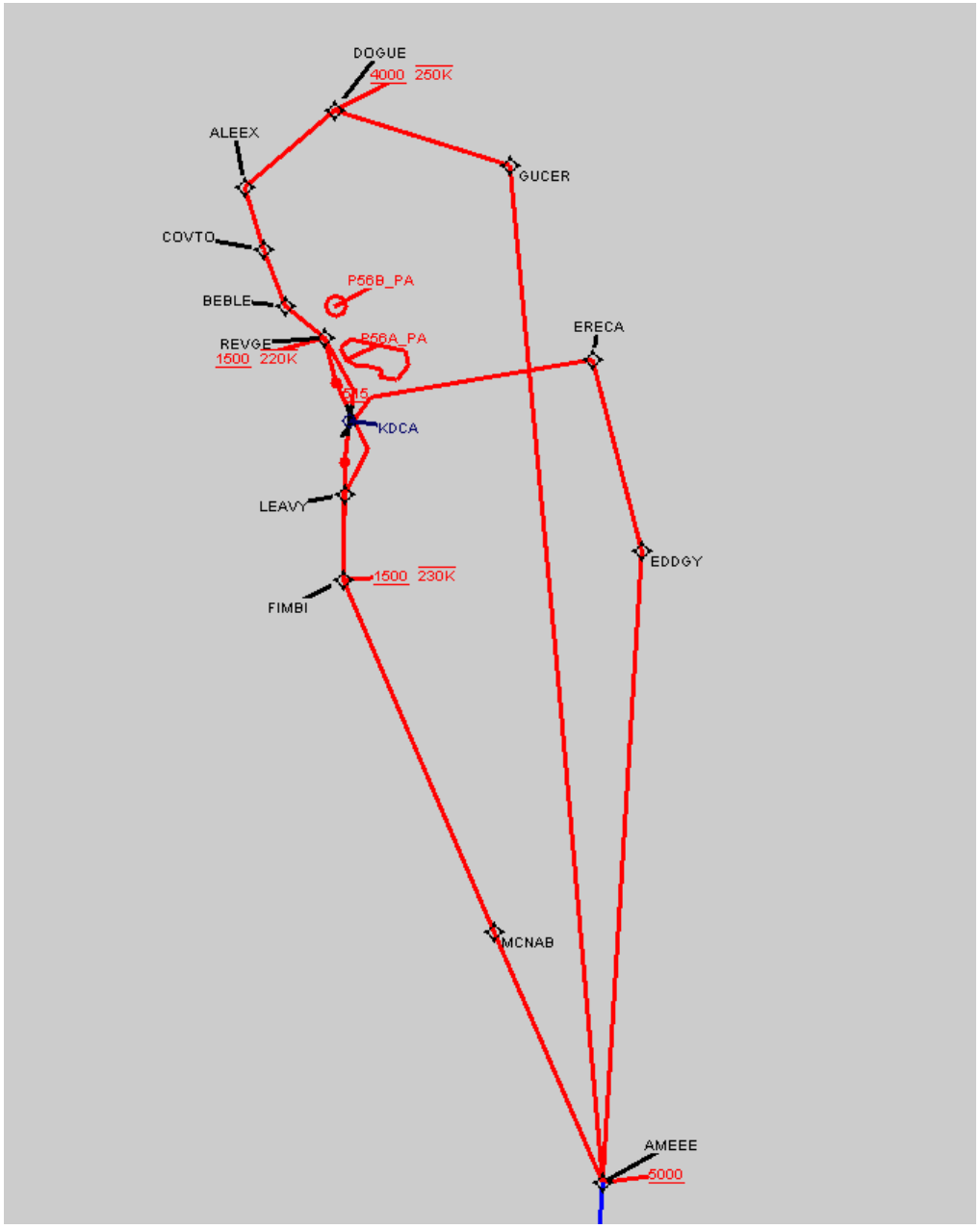
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AMEEE
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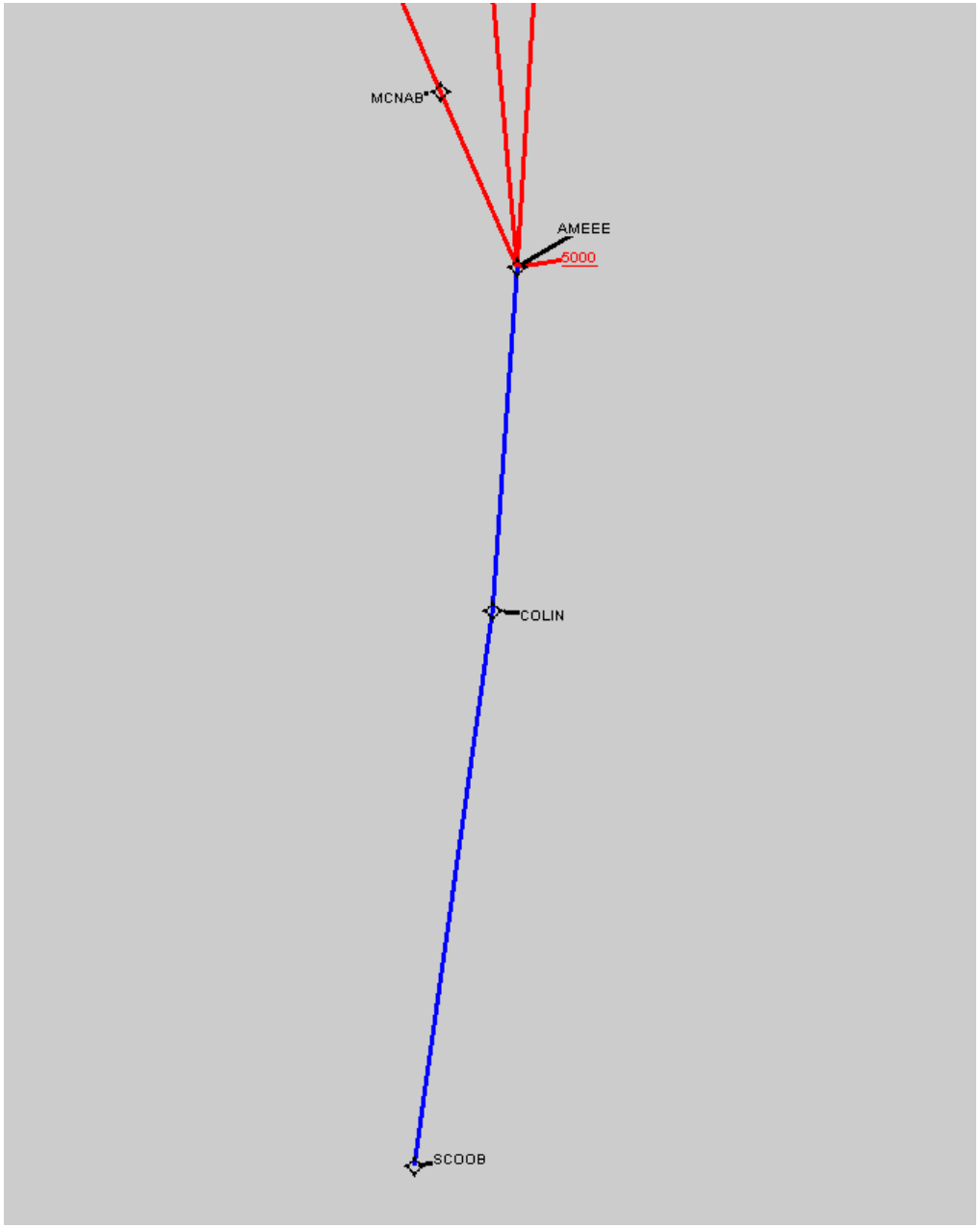
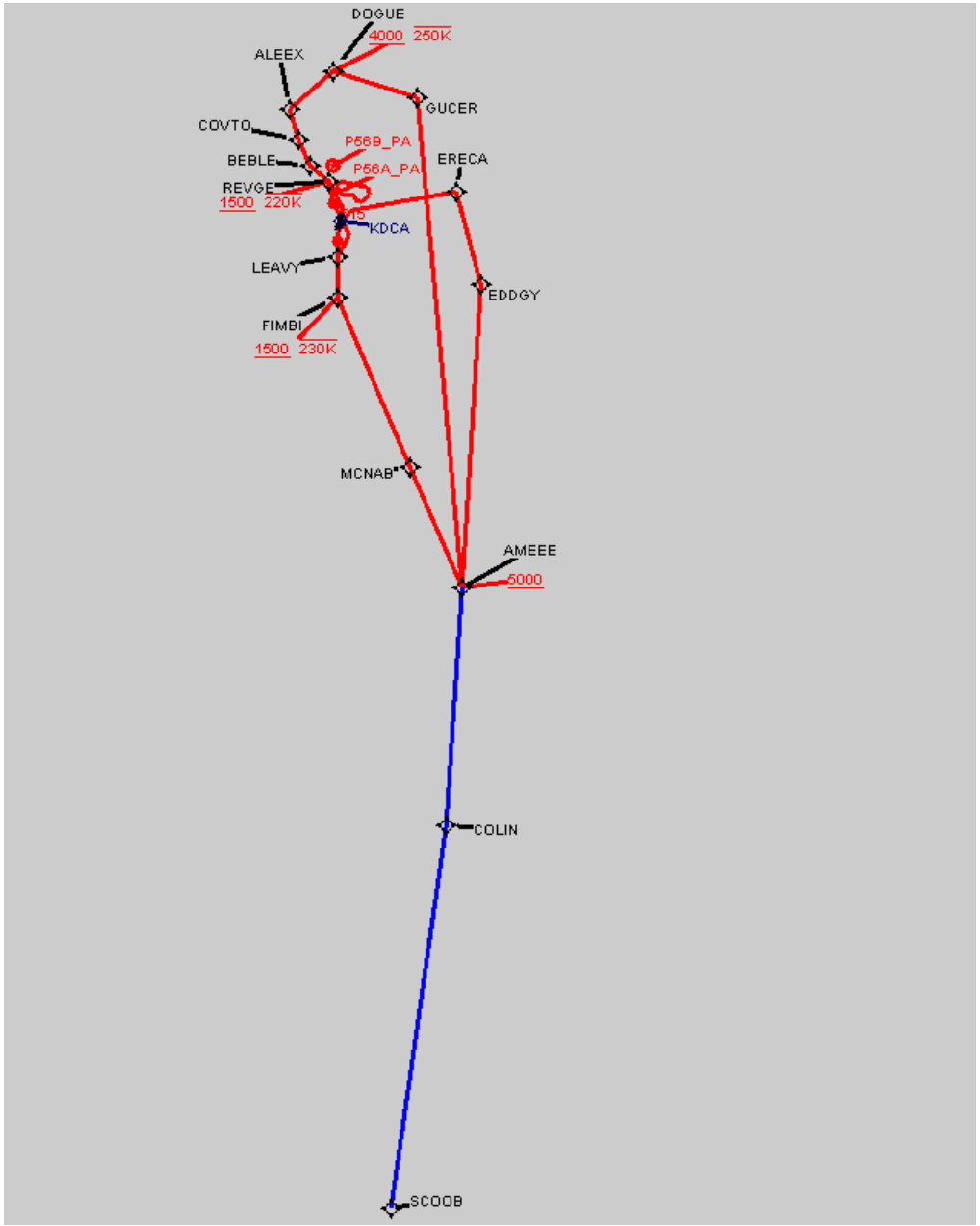
AMEEE (RNAV)



AMEEE (RNAV)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LEAVY
EDDGY
FIMBI
1500 230K
MCNAB
AMEEE
5000
COLIN
SCOOB

AMEEE (RNAV)

Runway Transition Data - KDCA:RW01

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/ FB	Leg	TC	MC	Dist.	Altitude	Speed	MEA	MOCA	Turn Dir	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
IFPA WRK r19 10-10-19 TO UNK	DER RW01	N38 51 40.29	W077 02 19.41													
					VI	355.50	6.50	.61								
	REVGE WP	N38 53 59.46	W077 04 14.24	FB	CF	319.75	330.75	2.24	+1500	-220						
IFPA r4 03-31-16 TO 01-30-20	BEBLE WP	N38 54 55.81	W077 06 26.92	FB	TF	298.54	309.54	1.96								
IFPA r4 03-31-16 TO 01-30-20	COVTO WP	N38 56 49.58	W077 08 02.23	FB	TF	326.81	337.81	2.26								
IFPA r1 10-15-15 TO 01-30-20	ALEEX WP	N38 59 02.29	W077 09 30.51	FB	TF	332.56	343.56	2.49								
IFPA r1 10-15-15 TO 01-30-20	DOGUE WP	N39 02 30.96	W077 05 56.51	FB	TF	38.64	49.64	4.45	+4000	-250						
IFPA r1 10-15-15 TO 01-30-20	GUCER WP	N39 01 46.95	W076 56 53.83	FB	TF	95.89	106.89	7.09								
	AMEEE WP	N38 24 34.35	W076 42 50.50	FB	TF	163.44	174.44	38.77	+5000							

Runway Transition Data - KDCA:RW04

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/ FB	Leg	TC	MC	Dist.	Altitude	Speed	MEA	MOCA	Turn Dir	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
IFPA r16 05-26-16 TO UNK	DER RW04	N38 51 12.64	W077 02 01.97													
					VI	25.56	36.56	1.01								
IFPA r0 12-07-17 TO 01-30-20	ERECA WP	N38 55 07.67	W076 51 07.09	FB	CF	69.68	80.68	8.63								
IFPA r4 03-05-15 TO 01-30-20	EDDGY WP	N38 48 21.71	W076 46 53.29	FB	TF	153.93	164.93	7.52								
	AMEEE WP	N38 24 34.35	W076 42 50.50	FB	TF	172.38	183.38	23.98	+5000							

Runway Transition Data - KDCA:RW15

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/ FB	Leg	TC	MC	Dist.	Altitude	Speed	MEA	MOCA	Turn Dir	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
IFPA r13 11-12-15 TO UNK	DER RW15	N38 50 59.29	W077 01 55.95													
					VI	142.64	153.64	1.01								
IFPA r2 10-15-15 TO 01-30-20	LEAVY WP	N38 48 19.33	W077 01 50.09	FB	CF	196.07	207.07	1.94								
IFPA r1 10-15-15 TO 01-30-20	FIMBI WP	N38 45 08.90	W077 01 05.77	FB	TF	169.67	180.67	3.22	+1500	-230						
IFPA r1 10-15-15 TO 01-30-20	MCNAB WP	N38 33 06.13	W076 50 27.69	FB	TF	145.25	156.25	14.64								
	AMEEE WP	N38 24 34.35	W076 42 50.50	FB	TF	144.88	155.88	10.41	+5000							

Runway Transition Data - KDCA:RW19

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/ FB	Leg	TC	MC	Dist.	Altitude	Speed	MEA	MOCA	Turn Dir	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
IFPA WRK r19 10-10-19 TO UNK	DER RW19	N38 50 29.65	W077 02 12.29													
					VA	175.50	186.50	1.01	+515							
IFPA r1 10-15-15 TO 01-30-20	FIMBI WP	N38 45 08.90	W077 01 05.77	FB	DF			4.41	+1500	-230						
IFPA r1 10-15-15 TO 01-30-20	MCNAB WP	N38 33 06.13	W076 50 27.69	FB	TF	145.25	156.25	14.64								
	AMEEE WP	N38 24 34.35	W076 42 50.50	FB	TF	144.88	155.88	10.41	+5000							

Runway Transition Data - KDCA:RW33

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/ FB	Leg	TC	MC	Dist.	Altitude	Speed	MEA	MOCA	Turn Dir	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
IFPA r13 11-12-15 TO UNK	DER RW33	N38 51 40.18	W077 02 35.87													
					VA	322.65	333.65	.93	+515							
	REVGE WP	N38 53 59.46	W077 04 14.24	FB	DF			1.74	+1500	-220						
IFPA r4 03-31-16 TO 01-30-20	BEBLE WP	N38 54 55.81	W077 06 26.92	FB	TF	298.54	309.54	1.96								
IFPA r4 03-31-16 TO 01-30-20	COVTO WP	N38 56 49.58	W077 08 02.23	FB	TF	326.81	337.81	2.26								
IFPA r1 10-15-15 TO 01-30-20	ALEEX WP	N38 59 02.29	W077 09 30.51	FB	TF	332.56	343.56	2.49								
IFPA r1 10-15-15 TO 01-30-20	DOGUE WP	N39 02 30.96	W077 05 56.51	FB	TF	38.64	49.64	4.45	+4000	-250						
IFPA r1 10-15-15 TO 01-30-20	GUCER WP	N39 01 46.95	W076 56 53.83	FB	TF	95.89	106.89	7.09								
	AMEEE WP	N38 24 34.35	W076 42 50.50	FB	TF	163.44	174.44	38.77	+5000							

Common Route Data - AMEEE

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/ FB	Leg	TC	MC	Dist.	Altitude	Speed	MEA	MOCA	Turn Dir	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	AMEEE WP	N38 24 34.35	W076 42 50.50		IF				+5000							

En Route Transition Data - COLIN

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/ FB	Leg	TC	MC	Dist.	Altitude	Speed	MEA	MOCA	Turn Dir	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	AMEEE WP	N38 24 34.35	W076 42 50.50		IF				+5000							
IFPA PND r14 02-25-21 TO UNK	COLIN WP	N38 05 59.23	W076 39 50.85	FB	TF	172.74	183.74	18.71			8700	1500				

En Route Transition Data - SCOOB

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/ FB	Leg	TC	MC	Dist.	Altitude	Speed	MEA	MOCA	Turn Dir	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	AMEEE WP	N38 24 34.35	W076 42 50.50		IF				+5000							
IFPA PND r14 02-25-21 TO UNK	COLIN WP	N38 05 59.23	W076 39 50.85	FB	TF	172.74	183.74	18.71			8700	1500				
	SCOOB WP	N37 35 32.00	W076 37 49.00	FB	TF	176.96	187.96	30.46			10100	1600				

Point Data

DB	Point	Arc Center	Lat-Long (DMS.S)	Latitude (Deg)	Longitude (Deg)	Latitude (D°, M.mm')	Longitude (D°, M.mm')	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")
IFPA r1 10-15-15 TO 01-30-20	ALEEX WP		385902.29N-0770930.51W	N 38.9839694	W 77.1584750	N38 59.038	W77 09.509	N38 59 02.29	W077 09 30.51
	AMEEE WP		382434.35N-0764250.50W	N 38.4095417	W 76.7140278	N38 24.573	W76 42.842	N38 24 34.35	W076 42 50.50
IFPA r19 01-05-17 TO UNK	BAL VORTAC		391015.83N-0763940.52W	N 39.1710634	W 76.6612563	N39 10.264	W76 39.675	N39 10 15.83	W076 39 40.52
IFPA r4 03-31-16 TO 01-30-20	BEBLE WP		385455.81N-0770626.92W	N 38.9155028	W 77.1074778	N38 54.930	W77 06.449	N38 54 55.81	W077 06 26.92
IFPA PND r14 02-25-21 TO UNK	COLIN WP		380559.23N-0763950.85W	N 38.0997861	W 76.6641250	N38 05.987	W76 39.848	N38 05 59.23	W076 39 50.85
IFPA r4 03-31-16 TO 01-30-20	COVTO WP		385649.58N-0770802.23W	N 38.9471056	W 77.1339528	N38 56.826	W77 08.037	N38 56 49.58	W077 08 02.23
IFPA r1 10-15-15 TO 01-30-20	DOGUE WP		390230.96N-0770556.51W	N 39.0419333	W 77.0990306	N39 02.516	W77 05.942	N39 02 30.96	W077 05 56.51
IFPA r4 03-05-15 TO 01-30-20	EDDGY WP		384821.71N-0764653.29W	N 38.8060306	W 76.7814694	N38 48.362	W76 46.888	N38 48 21.71	W076 46 53.29
IFPA r0 12-07-17 TO 01-30-20	ERECA WP		385507.67N-0765107.09W	N 38.9187958	W 76.8519706	N38 55.128	W76 51.118	N38 55 07.67	W076 51 07.09
IFPA r1 10-15-15 TO 01-30-20	FIMBI WP		384508.90N-0770105.77W	N 38.7524722	W 77.0182694	N38 45.148	W77 01.096	N38 45 08.90	W077 01 05.77
IFPA r1 10-15-15 TO 01-30-20	GUCER WP		390146.95N-0765653.83W	N 39.0297083	W 76.9482861	N39 01.782	W76 56.897	N39 01 46.95	W076 56 53.83
IFPA r2 10-15-15 TO 01-30-20	LEAVY WP		384819.33N-0770150.09W	N 38.8053694	W 77.0305806	N38 48.322	W77 01.835	N38 48 19.33	W077 01 50.09
IFPA r1 10-15-15 TO 01-30-20	MCNAB WP		383306.13N-0765027.69W	N 38.5517028	W 76.8410250	N38 33.102	W76 50.462	N38 33 06.13	W076 50 27.69

	REVGE WP		385359.46N-0770414.24W	N 38.8998500	W 77.0706222	N38 53.991	W77 04.237	N38 53 59.46	W077 04 14.24
	SCOOB WP		373532.00N-0763749.00W	N 37.5922222	W 76.6302778	N37 35.533	W76 37.817	N37 35 32.00	W076 37 49.00

RS Results 01 AMEEE (RNAV)

Last Evaluation: 07-Nov-2019 07:47:31
Reference Software Version: 2.4.0
Project Chart Date: 06/18/2020

Runway Evaluation for RW01

LNAV Engagement CG (ft/NM):	-
LNAV Engagement Termination Altitude (ft):	-
Obstacle Climb Gradient (ft/NM):	825.0
Obstacle CG Termination Altitude (ft):	600.0
Inhibit controlling obstacles within ICA Extended 3SM Area:	false

Route Evaluation for KDCA:RW01:SCOOB

Required Engagement Climb Gradient (ft/NM): -

KDCA:RW01:SCOOB Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VI						515.112	35.73	0.61	1.0
CF	REVGE	FLY_BY	+1500.000		220.000	1027.309	21.211	2.239	1.662
TF	BEBLE [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY				1420.265	28.295	1.965	1.797
TF	COVTO [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY				1873.074	5.77	2.264	1.0
TF	ALEEX [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				2371.115	66.096	2.49	2.262
TF	DOGUE [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	+4000.000		250.000	3261.199	57.207	4.45	4.322
TF	GUCER [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				4678.556	67.458	7.085	5.914
TF	AMEEE	FLY_BY	+5000.000			12435.063	9.156	38.767	3.855
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				16180.564	4.187	18.715	1.0
TF	SCOOB	FLY_BY				22278.508		30.462	1.0

KDCA:RW01:SCOOB Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VI					0.0	0.0					0.667	2.07	515.112	220.0	25.0	30.0	227.387	257.387
CF	REVGE	FLY_BY	0.667	2.07	515.112	220.0	25.0	30.0	227.387	257.387	0.995	5.315	1668.289	220.0	10.606	30.0	231.331	261.331
TF	BEBLE [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY	0.995	5.315	1668.289	220.0	10.606	30.0	231.331	261.331	0.802	3.181	2650.722	250.0	25.0	52.248	266.785	319.034
TF	COVTO [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY	0.802	3.181	2650.722	250.0	25.0	52.248	266.785	319.034	0.0	17.689	3782.83	250.0	5.0	54.49	271.397	325.887
TF	ALEEX [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	0.0	17.689	3782.83	250.0	5.0	54.49	271.397	325.887	2.262	3.477	5028.069	250.0	25.0	56.956	276.606	333.562
TF	DOGUE [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	2.262	3.477	5028.069	250.0	25.0	56.956	276.606	333.562	2.06	3.777	7253.634	250.0	25.0	61.362	286.289	347.652
TF	GUCER [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	2.06	3.777	7253.634	250.0	25.0	61.362	286.289	347.652	3.855	5.774	10558.515	300.0	25.0	67.906	361.936	429.842
TF	AMEEE	FLY_BY	3.855	5.774	10558.515	300.0	25.0	67.906	361.936	429.842	0.0	46.25	24138.112	300.0	5.0	94.793	454.965	526.957
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	0.0	46.25	24138.112	300.0	5.0	94.793	454.965	526.957	0.0	54.114	30696.848	300.0	5.0	107.78	512.945	570.0
TF	SCOOB	FLY_BY	0.0	54.114	30696.848	300.0	5.0	107.78	512.945	570.0	0.0		41000.0	300.0	0.0	128.18	628.539	570.0

KDCA:RW01:SCOOB Criteria Failures and Warnings

RDO45: RW01 and ending at SCOOB, the Input Climb Gradient, 825.0, is greater than 500ft/NM.
JUSTIFICATION: Authorization requested.
RDO33: [Waiver Required] The VI leg off KDCA RW01 is 0.609703529264884 NM where the Minimum Leg Length is 1.0 NM.
JUSTIFICATION: Waiver requested

Route Evaluation for KDCA:RW01:COLIN

Required Engagement Climb Gradient (ft/NM): -

KDCA:RW01:COLIN Evaluation Results Part 1/2									
Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VI						515.112	35.73	0.61	1.0
CF	REVGE	FLY_BY	+1500.000		220.000	1027.309	21.211	2.239	1.662
TF	BEBLE [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY				1420.265	28.295	1.965	1.797
TF	COVTO [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY				1873.074	5.77	2.264	1.0
TF	ALEEX [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				2371.115	66.096	2.49	2.262
TF	DOGUE [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	+4000.000		250.000	3261.199	57.207	4.45	4.322
TF	GUCER [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				4678.556	67.458	7.085	5.914
TF	AMEEE	FLY_BY	+5000.000			12435.063	9.156	38.767	3.855
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				16180.564		18.715	1.0

KDCA:RW01:COLIN Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VI					0.0	0.0					0.667	2.07	515.112	220.0	25.0	30.0	227.387	257.387
CF	REVGE	FLY_BY	0.667	2.07	515.112	220.0	25.0	30.0	227.387	257.387	0.995	5.315	1668.289	220.0	10.606	30.0	231.331	261.331
TF	BEBLE [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY	0.995	5.315	1668.289	220.0	10.606	30.0	231.331	261.331	0.802	3.181	2650.722	250.0	25.0	52.248	266.785	319.034
TF	COVTO [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY	0.802	3.181	2650.722	250.0	25.0	52.248	266.785	319.034	0.0	17.689	3782.83	250.0	5.0	54.49	271.397	325.887
TF	ALEEX [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	0.0	17.689	3782.83	250.0	5.0	54.49	271.397	325.887	2.262	3.477	5028.069	250.0	25.0	56.956	276.606	333.562
TF	DOGUE [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	2.262	3.477	5028.069	250.0	25.0	56.956	276.606	333.562	2.06	3.777	7253.634	250.0	25.0	61.362	286.289	347.652
TF	GUCER [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	2.06	3.777	7253.634	250.0	25.0	61.362	286.289	347.652	3.855	5.774	10558.515	300.0	25.0	67.906	361.936	429.842
TF	AMEEE	FLY_BY	3.855	5.774	10558.515	300.0	25.0	67.906	361.936	429.842	0.0	46.25	24138.112	300.0	5.0	94.793	454.965	526.957
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	0.0	46.25	24138.112	300.0	5.0	94.793	454.965	526.957	0.0		30696.848	300.0	0.0	107.78	512.945	570.0

KDCA:RW01:COLIN Criteria Failures and Warnings

RDO45: RW01 and ending at COLIN, the Input Climb Gradient, 825.0, is greater than 500ft/NM.
JUSTIFICATION: Authorization requested.
RDO33: [Waiver Required] The VI leg off KDCA RW01 is 0.609703529264884 NM where the Minimum Leg Length is 1.0 NM.
JUSTIFICATION: Waiver requested

Runway Evaluation for RW04

LNAV Engagement CG (ft/NM):	500.0
LNAV Engagement Termination Altitude (ft):	515.0
Obstacle Climb Gradient (ft/NM):	-
Obstacle CG Termination Altitude (ft):	-
Inhibit controlling obstacles within ICA Extended 3SM Area:	false

Route Evaluation for KDCA:RW04:SCOOB

Required Engagement Climb Gradient (ft/NM): 500.000

KDCA:RW04:SCOOB Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VI						515.000	44.001	1.008	1.008
CF	ERECA [IFPA r0 12-07-17 TO 01-30-20]	FLY_BY				2240.445	84.253	8.627	4.606
TF	EDDGY [IFPA r4 03-05-15 TO 01-30-20]	FLY_BY				3745.400	18.404	7.524	5.477
TF	AMEEE	FLY_BY	+5000.000			8542.028	0.326	23.976	2.037
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				12286.831	4.187	18.715	1.0
TF	SCOOB	FLY_BY				18383.640		30.462	1.0

KDCA:RW04:SCOOB Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VI					0.0	0.0					1.166	2.886	515.0	265.0	25.0	30.0	273.897	303.897
CF	ERECA [IFPA r0 12-07-17 TO 01-30-20]	FLY_BY	1.166	2.886	515.0	265.0	25.0	30.0	273.897	303.897	3.44	3.803	4828.879	265.0	25.0	56.561	292.309	348.87
TF	EDDGY [IFPA r4 03-05-15 TO 01-30-20]	FLY_BY	3.44	3.803	4828.879	265.0	25.0	56.561	292.309	348.87	2.037	12.575	8591.936	265.0	9.202	64.012	309.895	373.907
TF	AMEEE	FLY_BY	2.037	12.575	8591.936	265.0	9.202	64.012	309.895	373.907	0.0	39.413	17411.285	300.0	5.0	81.474	404.979	486.453
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	0.0	39.413	17411.285	300.0	5.0	81.474	404.979	486.453	0.0	45.954	23967.912	300.0	5.0	94.456	453.591	525.265
TF	SCOOB	FLY_BY	0.0	45.954	23967.912	300.0	5.0	94.456	453.591	525.265	0.0		34644.457	300.0	0.0	115.596	553.224	570.0

KDCA:RW04:SCOOB Criteria Failures and Warnings

No failures.

Route Evaluation for KDCA:RW04:COLIN

Required Engagement Climb Gradient (ft/NM): 500.000

KDCA:RW04:COLIN Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VI						515.000	44.001	1.008	1.008
CF	ERECA [IFPA r0 12-07-17 TO 01-30-20]	FLY_BY				2240.445	84.253	8.627	4.606
TF	EDDGY [IFPA r4 03-05-15 TO 01-30-20]	FLY_BY				3745.400	18.404	7.524	5.477
TF	AMEEE	FLY_BY	+5000.000			8542.028	0.326	23.976	2.037
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				12286.831		18.715	1.0

KDCA:RW04:COLIN Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VI					0.0	0.0					1.166	2.886	515.0	265.0	25.0	30.0	273.897	303.897
CF	ERECA [IFPA r0 12-07-17 TO 01-30-20]	FLY_BY	1.166	2.886	515.0	265.0	25.0	30.0	273.897	303.897	3.44	3.803	4828.879	265.0	25.0	56.561	292.309	348.87
TF	EDDGY [IFPA r4 03-05-15 TO 01-30-20]	FLY_BY	3.44	3.803	4828.879	265.0	25.0	56.561	292.309	348.87	2.037	12.575	8591.936	265.0	9.202	64.012	309.895	373.907
TF	AMEEE	FLY_BY	2.037	12.575	8591.936	265.0	9.202	64.012	309.895	373.907	0.0	39.413	17411.285	300.0	5.0	81.474	404.979	486.453
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	0.0	39.413	17411.285	300.0	5.0	81.474	404.979	486.453	0.0		23967.912	300.0	0.0	94.456	453.591	525.265

KDCA:RW04:COLIN Criteria Failures and Warnings

No failures.

Runway Evaluation for RW15

LNAV Engagement CG (ft/NM):	500.0
LNAV Engagement Termination Altitude (ft):	515.0
Obstacle Climb Gradient (ft/NM):	-
Obstacle CG Termination Altitude (ft):	-
Inhibit controlling obstacles within ICA Extended 3SM Area:	false

Route Evaluation for KDCA:RW15:COLIN

Required Engagement Climb Gradient (ft/NM): 500.000

KDCA:RW15:COLIN Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VI						515.000	53.416	1.009	1.009
CF	LEAVY [IFPA r2 10-15-15 TO 01-30-20]	FLY_BY				902.359	26.396	1.937	1.666
TF	FIMBI [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	+1500.000		230.000	1546.979	24.429	3.223	1.852
TF	MCNAB [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				4474.686	0.478	14.636	1.313
TF	AMEEE	FLY_BY	+5000.000			6557.606	27.782	10.412	3.042
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				10302.053		18.715	3.042

KDCA:RW15:COLIN Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VI					0.0	0.0					1.127	2.24	515.0	230.0	25.0	30.0	237.722	267.722
CF	LEAVY [IFPA r2 10-15-15 TO 01-30-20]	FLY_BY	1.127	2.24	515.0	230.0	25.0	30.0	237.722	267.722	0.539	2.298	1483.411	230.0	25.0	30.0	241.178	271.178
TF	FIMBI [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	0.539	2.298	1483.411	230.0	25.0	30.0	241.178	271.178	1.313	6.067	3095.044	230.0	12.214	53.128	247.095	300.223
TF	MCNAB [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	1.313	6.067	3095.044	230.0	12.214	53.128	247.095	300.223	0.0	30.478	10290.934	300.0	5.0	67.376	360.394	427.77
TF	AMEEE	FLY_BY	0.0	30.478	10290.934	300.0	5.0	67.376	360.394	427.77	3.042	12.299	13937.196	300.0	13.891	74.596	382.27	456.866
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	3.042	12.299	13937.196	300.0	13.891	74.596	382.27	456.866	0.0		20492.733	300.0	0.0	87.576	426.819	490.718

KDCA:RW15:COLIN Criteria Failures and Warnings

No failures.

Route Evaluation for KDCA:RW15:SCOOB

Required Engagement Climb Gradient (ft/NM): 500.000

KDCA:RW15:SCOOB Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VI						515.000	53.416	1.009	1.009
CF	LEAVY [IFPA r2 10-15-15 TO 01-30-20]	FLY_BY				902.359	26.396	1.937	1.666
TF	FIMBI [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	+1500.000		230.000	1546.979	24.429	3.223	1.852
TF	MCNAB [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				4474.686	0.478	14.636	1.313
TF	AMEEE	FLY_BY	+5000.000			6557.606	27.782	10.412	3.042
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				10302.053	4.187	18.715	3.042
TF	SCOOB	FLY_BY				16398.283		30.462	1.0

KDCA:RW15:SCOOB Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VI					0.0	0.0					1.127	2.24	515.0	230.0	25.0	30.0	237.722	267.722
CF	LEAVY [IFPA r2 10-15-15 TO 01-30-20]	FLY_BY	1.127	2.24	515.0	230.0	25.0	30.0	237.722	267.722	0.539	2.298	1483.411	230.0	25.0	30.0	241.178	271.178
TF	FIMBI [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	0.539	2.298	1483.411	230.0	25.0	30.0	241.178	271.178	1.313	6.067	3095.044	230.0	12.214	53.128	247.095	300.223
TF	MCNAB [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	1.313	6.067	3095.044	230.0	12.214	53.128	247.095	300.223	0.0	30.478	10290.934	300.0	5.0	67.376	360.394	427.77
TF	AMEEE	FLY_BY	0.0	30.478	10290.934	300.0	5.0	67.376	360.394	427.77	3.042	12.299	13937.196	300.0	13.891	74.596	382.27	456.866
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	3.042	12.299	13937.196	300.0	13.891	74.596	382.27	456.866	0.0	40.108	20492.733	300.0	5.0	87.576	426.819	490.718
TF	SCOOB	FLY_BY	0.0	40.108	20492.733	300.0	5.0	87.576	426.819	490.718	0.0		31167.504	300.0	0.0	108.712	517.517	570.0

KDCA:RW15:SCOOB Criteria Failures and Warnings

No failures.

Runway Evaluation for RW19

LNAV Engagement CG (ft/NM):	500.0
LNAV Engagement Termination Altitude (ft):	515.0
Obstacle Climb Gradient (ft/NM):	-
Obstacle CG Termination Altitude (ft):	-
Inhibit controlling obstacles within ICA Extended 3SM Area:	false

Route Evaluation for KDCA:RW19:COLIN

Required Engagement Climb Gradient (ft/NM): 500.000

KDCA:RW19:COLIN Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VA			+515.000			515.000	5.804	1.007	1.007
DF	FIMBI [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	+1500.000		230.000	1396.530	25.788	4.407	0.0
TF	MCNAB [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				4324.215	0.478	14.636	1.295
TF	AMEEE	FLY_BY	+5000.000			6407.120	27.782	10.412	3.013
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				10151.541		18.715	3.013

KDCA:RW19:COLIN Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.24	515.0	230.0	25.0	30.0	237.722	267.722
DF	FIMBI [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	0.0	2.24	515.0	230.0	25.0	30.0	237.722	267.722	1.295	5.656	2718.895	230.0	12.894	52.383	245.695	298.078
TF	MCNAB [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	1.295	5.656	2718.895	230.0	12.894	52.383	245.695	298.078	0.0	30.189	10027.538	300.0	5.0	66.855	358.886	425.74
TF	AMEEE	FLY_BY	0.0	30.189	10027.538	300.0	5.0	66.855	358.886	425.74	3.013	12.182	13673.753	300.0	13.891	74.074	380.625	454.699
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	3.013	12.182	13673.753	300.0	13.891	74.074	380.625	454.699	0.0		20229.208	300.0	0.0	87.054	424.885	488.099

KDCA:RW19:COLIN Criteria Failures and Warnings

No failures.

Route Evaluation for KDCA:RW19:SCOOB

Required Engagement Climb Gradient (ft/NM): 500.000

KDCA:RW19:SCOOB Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VA			+515.000			515.000	5.804	1.007	1.007
DF	FIMBI [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	+1500.000		230.000	1396.530	25.788	4.407	0.0
TF	MCNAB [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				4324.215	0.478	14.636	1.295
TF	AMEEE	FLY_BY	+5000.000			6407.120	27.782	10.412	3.013
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				10151.541	4.187	18.715	3.013
TF	SCOOB	FLY_BY				16247.727		30.462	1.0

KDCA:RW19:SCOOB Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.24	515.0	230.0	25.0	30.0	237.722	267.722
DF	FIMBI [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	0.0	2.24	515.0	230.0	25.0	30.0	237.722	267.722	1.295	5.656	2718.895	230.0	12.894	52.383	245.695	298.078
TF	MCNAB [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	1.295	5.656	2718.895	230.0	12.894	52.383	245.695	298.078	0.0	30.189	10027.538	300.0	5.0	66.855	358.886	425.74
TF	AMEEE	FLY_BY	0.0	30.189	10027.538	300.0	5.0	66.855	358.886	425.74	3.013	12.182	13673.753	300.0	13.891	74.074	380.625	454.699
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	3.013	12.182	13673.753	300.0	13.891	74.074	380.625	454.699	0.0	39.681	20229.208	300.0	5.0	87.054	424.885	488.099
TF	SCOOB	FLY_BY	0.0	39.681	20229.208	300.0	5.0	87.054	424.885	488.099	0.0		30903.845	300.0	0.0	108.19	514.949	570.0

KDCA:RW19:SCOOB Criteria Failures and Warnings

No failures.

Runway Evaluation for RW33

AMEEE (RNAV)

LNAV Engagement CG (ft/NM):	-
LNAV Engagement Termination Altitude (ft):	-
Obstacle Climb Gradient (ft/NM):	540.0
Obstacle CG Termination Altitude (ft):	640.0
Inhibit controlling obstacles within ICA Extended 3SM Area:	false

Route Evaluation for KDCA:RW33:SCOOB

Required Engagement Climb Gradient (ft/NM): -

KDCA:RW33:SCOOB Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VA			+515.000			515.000	12.979	0.928	0.926
DF	REVGE	FLY_BY	+1500.000		220.000	941.063	39.531	1.737	0.0
TF	BEBLE [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY				1334.017	28.295	1.965	1.787
TF	COVTO [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY				1786.825	5.77	2.264	1.0
TF	ALEEX [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				2284.864	66.096	2.49	2.248
TF	DOGUE [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	+4000.000		250.000	3174.944	57.207	4.45	4.295
TF	GUCER [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				4592.296	67.458	7.085	5.885
TF	AMEEE	FLY_BY	+5000.000			12348.771	9.156	38.767	3.838
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				16094.255	4.187	18.715	1.0
TF	SCOOB	FLY_BY				22192.175		30.462	1.0

KDCA:RW33:SCOOB Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.235	2.07	515.0	220.0	25.0	30.0	227.386	257.386
DF	REVGE	FLY_BY	0.235	2.07	515.0	220.0	25.0	30.0	227.386	257.386	0.991	2.757	1500.0	220.0	19.765	30.0	230.749	260.749
TF	BEBLE [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY	0.991	2.757	1500.0	220.0	19.765	30.0	230.749	260.749	0.797	3.161	2482.425	250.0	25.0	51.915	266.11	318.025
TF	COVTO [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY	0.797	3.161	2482.425	250.0	25.0	51.915	266.11	318.025	0.0	17.578	3614.524	250.0	5.0	54.157	270.704	324.861
TF	ALEEX [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	0.0	17.578	3614.524	250.0	5.0	54.157	270.704	324.861	2.248	3.455	4859.753	250.0	25.0	56.622	275.894	332.516
TF	DOGUE [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	2.248	3.455	4859.753	250.0	25.0	56.622	275.894	332.516	2.047	3.753	7085.3	250.0	25.0	61.029	285.54	346.569
TF	GUCER [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	2.047	3.753	7085.3	250.0	25.0	61.029	285.54	346.569	3.838	5.749	10440.663	300.0	25.0	67.673	361.256	428.928
TF	AMEEE	FLY_BY	3.838	5.749	10440.663	300.0	25.0	67.673	361.256	428.928	0.0	46.045	24020.183	300.0	5.0	94.56	454.012	525.785
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	0.0	46.045	24020.183	300.0	5.0	94.56	454.012	525.785	0.0	54.114	30578.882	300.0	5.0	107.546	511.809	570.0
TF	SCOOB	FLY_BY	0.0	54.114	30578.882	300.0	5.0	107.546	511.809	570.0	0.0		41000.0	300.0	0.0	128.18	628.539	570.0

KDCA:RW33:SCOOB Criteria Failures and Warnings

RDO45: RW33 and ending at SCOOB, the Input Climb Gradient, 540.0, is greater than 500ft/NM.
JUSTIFICATION: Authorization requested.

Route Evaluation for KDCA:RW33:COLIN

Required Engagement Climb Gradient (ft/NM): -

KDCA:RW33:COLIN Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Min CG Calc Alt	Turn Ang	Leg Length	Min Seg Length
VA			+515.000			515.000	12.979	0.928	0.926
DF	REVGE	FLY_BY	+1500.000		220.000	941.063	39.531	1.737	0.0
TF	BEBLE [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY				1334.017	28.295	1.965	1.787
TF	COVTO [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY				1786.825	5.77	2.264	1.0
TF	ALEEX [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				2284.864	66.096	2.49	2.248
TF	DOGUE [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	+4000.000		250.000	3174.944	57.207	4.45	4.295
TF	GUCER [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY				4592.296	67.458	7.085	5.885
TF	AMEEE	FLY_BY	+5000.000			12348.771	9.156	38.767	3.838
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY				16094.255		18.715	1.0

KDCA:RW33:COLIN Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.235	2.07	515.0	220.0	25.0	30.0	227.386	257.386
DF	REVGE	FLY_BY	0.235	2.07	515.0	220.0	25.0	30.0	227.386	257.386	0.991	2.757	1500.0	220.0	19.765	30.0	230.749	260.749
TF	BEBLE [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY	0.991	2.757	1500.0	220.0	19.765	30.0	230.749	260.749	0.797	3.161	2482.425	250.0	25.0	51.915	266.11	318.025
TF	COVTO [IFPA r4 03-31-16 TO 01-30-20]	FLY_BY	0.797	3.161	2482.425	250.0	25.0	51.915	266.11	318.025	0.0	17.578	3614.524	250.0	5.0	54.157	270.704	324.861
TF	ALEEX [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	0.0	17.578	3614.524	250.0	5.0	54.157	270.704	324.861	2.248	3.455	4859.753	250.0	25.0	56.622	275.894	332.516
TF	DOGUE [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	2.248	3.455	4859.753	250.0	25.0	56.622	275.894	332.516	2.047	3.753	7085.3	250.0	25.0	61.029	285.54	346.569
TF	GUCER [IFPA r1 10-15-15 TO 01-30-20]	FLY_BY	2.047	3.753	7085.3	250.0	25.0	61.029	285.54	346.569	3.838	5.749	10440.663	300.0	25.0	67.673	361.256	428.928
TF	AMEEE	FLY_BY	3.838	5.749	10440.663	300.0	25.0	67.673	361.256	428.928	0.0	46.045	24020.183	300.0	5.0	94.56	454.012	525.785
TF	COLIN [IFPA PND r14 02-25-21 TO UNK]	FLY_BY	0.0	46.045	24020.183	300.0	5.0	94.56	454.012	525.785	0.0		30578.882	300.0	0.0	107.546	511.809	570.0

KDCA:RW33:COLIN Criteria Failures and Warnings

RDO45: RW33 and ending at COLIN, the Input Climb Gradient, 540.0, is greater than 500ft/NM.
JUSTIFICATION: Authorization requested.

Evaluation Input

Name:	RS Results 01 AMEEE (RNAV)
Project:	DCA, IAD, BWI - P56 Mitigation Incorporated Designs 20191107
Last Evaluated:	07-Nov-2019 07:47:31
Evaluated Obstacles?:	false
Obstacle Database:	
Evaluated Terrain?:	false
Worst Case Vegetation Height (ft) AGL:	0
Converted 9I Accuracies to 4D?:	false
MVA Prior to the IF (ft) MSL:	-
Maximum Aircraft Category:	D

Airport

Name:	KDCA [IFPA r21 10-10-19 TO UNK]
Location:	N38° 51' 05.200000000",W077° 02' 15.800000000"
Elevation (ft):	14.1
Magnetic Variation (degs):	-11 (2020)

AAO Exempt Airports

Name	Location	Elevation (ft)
KDCA [IFPA r21 10-10-19 TO UNK]	N38° 51' 05.200000000",W077° 02' 15.800000000"	14.1

Runways

Name	Airport	Location	Elevation (ft)	TDZE (ft)	True Course (degs)	Survey?
RW10	KBWI [IFPA r29 07-19-18 TO UNK]	N39° 10' 28.691800000",W076° 41' 15.660000000"	141.4	143.4	94.2	VGAS
RW15L	KBWI [IFPA r29 07-19-18 TO UNK]	N39° 11' 14.543100000",W076° 39' 48.744100000"	141.4	141.5	144.2	PAT
RW15R	KBWI [IFPA r29 07-19-18 TO UNK]	N39° 11' 04.892500000",W076° 40' 52.936700000"	138.3	138.3	144.2	VGAS
RW28	KBWI [IFPA r29 07-19-18 TO UNK]	N39° 10' 21.983800000",W076° 39' 18.489200000"	129.8	142.7	274.2	VGAS
RW33L	KBWI [IFPA r29 07-19-18 TO UNK]	N39° 09' 55.140600000",W076° 39' 48.325400000"	132	142.7	324.2	VGAS
RW33R	KBWI [IFPA r29 07-19-18 TO UNK]	N39° 10' 34.446800000",W076° 39' 11.630700000"	114	124.4	324.2	PAT
RW14	KDAA [IFPA r18 07-18-19 TO UNK]	N38° 43' 08.751000000",W077° 11' 11.439000000"	50.7	59.9	133.5	PAT
RW32	KDAA [IFPA r18 07-18-19 TO UNK]	N38° 42' 41.420000000",W077° 10' 34.657000000"	68.1	68.1	313.5	PAT
RW01	KDCA [IFPA r21 10-10-19 TO UNK]	N38° 50' 29.645500000",W077° 02' 12.294400000"	11.4	13.9	355.5	VGAS
RW04	KDCA [IFPA HST r20 04-27-17 TO 10-10-19]	N38° 50' 29.836900000",W077° 02' 28.146600000"	11.8	13.7	25.6	VGAS
RW14	KDCA [IFPA HST r20 04-27-17 TO 10-10-19]	N38° 52' 31.060000000",W077° 02' 24.500000000"	16	16	135.5	NONE
RW15	KDCA [IFPA HST r20 04-27-17 TO 10-10-19]	N38° 51' 40.181200000",W077° 02' 35.869100000"	14	14.1	142.6	VGAS
RW17	KDCA [IFPA r21 10-10-19 TO UNK]	N38° 51' 40.380000000",W077° 02' 22.950000000"	14	14	154.5	NONE
RW19	KDCA [IFPA r21 10-10-19 TO UNK]	N38° 51' 40.293300000",W077° 02' 19.405300000"	12.1	13.1	175.5	NONE
RW22	KDCA [IFPA HST r20 04-27-17 TO 10-10-19]	N38° 51' 12.639600000",W077° 02' 01.970800000"	11	13.7	205.6	VGAS
RW32	KDCA [IFPA HST r20 04-27-17 TO 10-10-19]	N38° 51' 21.380000000",W077° 00' 56.890000000"	11	11	315.5	NONE
RW33	KDCA [IFPA HST r20 04-27-17 TO 10-10-19]	N38° 50' 59.294600000",W077° 01' 55.952800000"	10.3	12.5	322.6	VGAS
RW35	KDCA [IFPA r21 10-10-19 TO UNK]	N38° 51' 04.694500000",W077° 02' 01.161000000"	16	16	334.5	NONE
RW01C	KIAD [IFPA r19 08-22-13 TO UNK]	N38° 56' 20.639200000",W077° 27' 35.199100000"	286.1	286.3	0.7	VGAS
RW01L	KIAD [IFPA r19 08-22-13 TO UNK]	N38° 56' 41.880000000",W077° 28' 29.315100000"	296	296.1	0.7	PAT
RW01R	KIAD [IFPA r19 08-22-13 TO UNK]	N38° 55' 25.526000000",W077° 26' 11.222000000"	311.7	312.4	0.7	PAT
RW12	KIAD [IFPA r19 08-22-13 TO UNK]	N38° 56' 37.580000000",W077° 29' 25.599000000"	309.8	309.8	110.6	PAT

RW19C	KIAD [IFPA r19 08-22-13 TO UNK]	N38° 58' 14.306600000",W077° 27' 33.545200000"	268.5	271.3	180.7	VGAS
RW19L	KIAD [IFPA r19 08-22-13 TO UNK]	N38° 57' 19.185000000",W077° 26' 09.526000000"	293.2	302.2	180.7	PAT
RW19R	KIAD [IFPA r19 08-22-13 TO UNK]	N38° 58' 14.784500000",W077° 28' 27.982500000"	276.9	278.4	180.7	PAT
RW17	KJYO [IFPA r16 07-18-19 TO UNK]	N39° 05' 06.426400000",W077° 33' 38.184600000"	377.6	383.1	161.3	VGAS
RW35	KJYO [IFPA r16 07-18-19 TO UNK]	N39° 04' 14.940100000",W077° 33' 15.802900000"	387.2	389.5	341.3	VGAS
RW08	KMRB [IFPA r19 07-21-16 TO UNK]	N39° 23' 54.049900000",W077° 59' 51.770200000"	564.8	564.8	70.6	VGAS
RW26	KMRB [IFPA r19 07-21-16 TO UNK]	N39° 24' 19.645500000",W077° 58' 17.843200000"	547.5	547.5	250.7	VGAS
RW14	KOKV [IFPA r15 09-12-19 TO UNK]	N39° 08' 55.487200000",W078° 09' 05.198000000"	726.2	726.2	133.8	PAT
RW32	KOKV [IFPA r15 09-12-19 TO UNK]	N39° 08' 17.895000000",W078° 08' 14.802400000"	700.8	714.6	313.8	PAT

Criteria Failures and Warnings

RDO45: RW01 and ending at COLIN, the Input Climb Gradient, 825.0, is greater than 500ft/NM.
JUSTIFICATION: Authorization requested.
RDO45: RW01 and ending at SCOOB, the Input Climb Gradient, 825.0, is greater than 500ft/NM.
JUSTIFICATION: Authorization requested.
RDO45: RW33 and ending at COLIN, the Input Climb Gradient, 540.0, is greater than 500ft/NM.
JUSTIFICATION: Authorization requested.
RDO45: RW33 and ending at SCOOB, the Input Climb Gradient, 540.0, is greater than 500ft/NM.
JUSTIFICATION: Authorization requested.
RDO73: [Information] In the route beginning at RW15 and ending at SCOOB, the Fix FIMBI, has a Minimum Climb Gradient Calculation Altitude 1546.9794946275651 that is greater than the Altitude Restriction 1500.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW04 and ending at SCOOB, the Fix AMEEE, has a Minimum Climb Gradient Calculation Altitude 8542.028452839702 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW15 and ending at COLIN, the Fix FIMBI, has a Minimum Climb Gradient Calculation Altitude 1546.9794946275651 that is greater than the Altitude Restriction 1500.0.
JUSTIFICATION: null
RDO33: [Waiver Required] The VI leg off KDCA RW01 is 0.609703529264884 NM where the Minimum Leg Length is 1.0 NM.
JUSTIFICATION: Waiver requested
RDO73: [Information] In the route beginning at RW15 and ending at COLIN, the Fix AMEEE, has a Minimum Climb Gradient Calculation Altitude 6557.606001574546 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW19 and ending at SCOOB, the Fix AMEEE, has a Minimum Climb Gradient Calculation Altitude 6407.120341550559 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW04 and ending at COLIN, the Fix AMEEE, has a Minimum Climb Gradient Calculation Altitude 8542.028452839702 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW19 and ending at COLIN, the Fix AMEEE, has a Minimum Climb Gradient Calculation Altitude 6407.120341550559 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW33 and ending at SCOOB, the Fix AMEEE, has a Minimum Climb Gradient Calculation Altitude 12348.770580247045 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW01 and ending at SCOOB, the Fix AMEEE, has a Minimum Climb Gradient Calculation Altitude 12435.063254654408 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW15 and ending at SCOOB, the Fix AMEEE, has a Minimum Climb Gradient Calculation Altitude 6557.606001574546 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW33 and ending at COLIN, the Fix AMEEE, has a Minimum Climb Gradient Calculation Altitude 12348.770580247045 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null
RDO73: [Information] In the route beginning at RW01 and ending at COLIN, the Fix AMEEE, has a Minimum Climb Gradient Calculation

Altitude 12435.063254654408 that is greater than the Altitude Restriction 5000.0.
JUSTIFICATION: null

Software Evaluation Failures, Warnings, and Notes

CEW23: Terrain Source did not have a type. Setting horizontal accuracy to 250 ft and vertical accuracy to 125 ft.
Bank angle exception applied on leg ending at BEBLE.
Bank angle exception applied on leg ending at LEAVY.
No terrain evaluation was performed.
Bank angle exception applied on leg ending at ALEEX.
RW01: Minimum VI segment leg was applied.
No obstacle evaluation was performed.

Obstacles Requiring Accuracy Code Verification

None.

Ignored Obstacles

None.

Procedure Notes

None.

Database Effective Dates

Database	Date
UddfObstacle	07/13/2017
Tiled IFPA	N/A
OEAAA	N/A
DOF	10/10/2019
NFDC	11/07/2019
IFP_OFFLINE	N/A
AVNII_OFFLINE	N/A
IFPA	11/07/2019
CIFP	11/07/2019

Notes:

DME ESVs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV SBY [IFPA] SBY [IFPA]	N38° 20' 42.020100000", W075° 30' 38.067400000"	12.0 W	40	52.5	111.2	ESV SBY [IFPA]	

Restriction:	Bearing [True]: 249.0° to 273.0° Bearing [Mag]: 261.0° to 285.0°	Distance: All Altitude: Below 6000.0 ft
Restriction:	Bearing [True]: 357.0° to 43.0° Bearing [Mag]: 9.0° to 55.0°	Distance: Beyond 20.0 NM Altitude: Below 99999.0 ft
Restriction:	Bearing [True]: 282.0° to 355.0° Bearing [Mag]: 294.0° to 7.0°	Distance: All Altitude: Below 5000.0 ft
ESV:	Bearing [True]: 253.0° to 268.0° Bearing [Mag]: 265.0° to 280.0°	Arc Distance: Out to 65.0 NM Altitude: 7000.0 to 16000.0 ft

DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Mason
Project File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\AMEEE.tgs
Output File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\KDCA AMEEE DME\KDCA [IFPA] AMEEE1 20191114_0646 EST\KDCA-RW01-DER_SCOOB\KDCA AMEEE1 SID KDCA RW01 SCOOB 20191114_0646 EST.pdf
Procedure Name:	AMEEE1
Software: DmeDmePlugin:	6.0.0
Date/Time:	11/14/2019 06:46 EST
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KDCA:RW01:DER	WP	N38° 51' 40.293300000", W077° 02' 19.405300000"	12.1	VNAV	130	FLY_BY	TF
REVGE	WP	N38° 53' 59.460000000", W077° 04' 14.240000000"	1500	VNAV	220	FLY_BY	TF
BEBLE	WP	N38° 54' 55.810000000", W077° 06' 26.920000000"	1892.9	VNAV	220	FLY_BY	TF
COVTO	WP	N38° 56' 49.580000000", W077° 08' 02.230000000"	2345.7	VNAV	220	FLY_BY	TF
ALEEX	WP	N38° 59' 02.290000000", W077° 09' 30.510000000"	2843.7	VNAV	220	FLY_BY	TF
DOGUE	WP	N39° 02' 30.960000000", W077° 05' 56.510000000"	4000	VNAV	250	FLY_BY	TF
GUCER	WP	N39° 01' 46.950000000", W076° 56' 53.830000000"	5000	VNAV	250	FLY_BY	TF
AMEEE	WP	N38° 24' 34.350000000", W076° 42' 50.500000000"	5000	VNAV	250	FLY_BY	TF
COLIN	WP	N38° 05' 59.230000000", W076° 39' 50.850000000"	8700	VNAV	250	FLY_BY	TF
SCOOB	WP	N37° 35' 32.000000000", W076° 37' 49.000000000"	10100	VNAV	250	FLY_BY	TF

Climb Gradient:
825.0 ft/NM up to 600.0 ft MSL
200.0 ft/NM

Flyability

Flight Type:	SID
Selected Airport:	KDCA [IFPA]
Climb Gradient:	825.0 ft/NM up to 600.0 ft MSL 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 AMEEE1 path KDCA:RW01:DER_SCOOB

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
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:	PXT

DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

DME/DME (Continued)

DMEs Used

#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CCV	N37° 20' 51.140000000", W075° 59' 51.550000000"	10.0 W	40	L	IFPA	NO	Enabled	5.3 %	5.4 %
2	HCM	N37° 26' 55.175600000", W076° 42' 40.874100000"	7.0 W	40	L	IFPA	NO	Enabled	12.1 %	12.4 %
3	HPW	N37° 19' 43.932000000", W077° 06' 57.397000000"	6.0 W	40	L	IFPA	NO	Enabled	5.3 %	5.4 %
4	RIC	N37° 30' 08.455200000", W077° 19' 13.000600000"	9.0 W	130	H	IFPA	NO	Enabled	10.2 %	10.4 %
5	CSN	N38° 38' 28.327700000", W077° 51' 55.797900000"	6.0 W	130	H	IFPA	NO	Enabled		
6	ADW	N38° 48' 25.990000000", W076° 51' 58.520000000"	10.0 W	40	L	IFPA	NO	Enabled	50.4 %	50.8 %
7	OTT	N38° 42' 21.135200000", W076° 44' 41.085400000"	10.0 W	40	L	IFPA	NO	Enabled	43.3 %	44.2 %
8	BAL	N39° 10' 15.828300000", W076° 39' 40.522500000"	11.0 W	40	L	IFPA	NO	Enabled	46.8 %	46.5 %
9	SBY	N38° 20' 42.020100000", W075° 30' 38.067400000"	12.0 W	40	L	IFPA	NO	Enabled	8.9 %	9.1 %
10	BRV	N38° 20' 10.526400000", W077° 21' 10.315900000"	9.0 W	40	L	IFPA	NO	Enabled	42.5 %	43.4 %
11	AML	N38° 56' 04.538000000", W077° 28' 00.128500000"	8.0 W	40	L	IFPA	NO	Enabled	36 %	36.2 %
12	DCA	N38° 51' 34.030100000", W077° 02' 11.170000000"	9.0 W	40	L	IFPA	NO	Enabled	53.6 %	54 %
13	EMI	N39° 29' 42.026600000", W076° 58' 42.859100000"	8.0 W	130	H	IFPA	NO	Enabled	27.1 %	26.5 %
14	PXT	N38° 17' 16.282500000", W076° 24' 00.831500000"	10.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Flight Check DME Selection						
Distance [NM]	**Selected DMEs**					**Alternate**
0.0						
1.7	BAL	ADW				
2.0						
2.3	BAL	ADW				
2.4						
3.3	BAL	DCA				
4.4	BAL	DCA	EMI			
4.5	BAL	EMI				
4.6	BAL	DCA	EMI			
5.0	BAL	DCA	ADW	EMI		
5.3	ADW	EMI	BAL			
5.5	BAL	EMI				
5.6	BAL	DCA	ADW	EMI		
5.7	BAL	DCA	CSN	ADW	EMI	
5.8	BAL	DCA	ADW	EMI		
5.9	BAL	EMI				
6.0	BAL	DCA	EMI			
6.1	BAL	DCA	CSN	ADW	EMI	
6.2	BAL	DCA	ADW	EMI		
6.2	ADW	EMI	BAL			
6.4	BAL	EMI				
6.5	BAL	DCA	EMI			
6.8	BAL	EMI				
6.8	ADW	EMI	BAL			
6.9	BAL	DCA	ADW	EMI		
7.0	BAL	DCA	EMI			
7.1	BAL	EMI				
7.2	BAL	DCA	EMI			
7.3	BAL	EMI				
7.4	ADW	EMI	BAL			
7.4	BAL	EMI				
7.5	BAL	DCA	EMI			
7.7	BAL	EMI				
7.9	BAL	DCA	CSN	AML	EMI	
7.9	BAL	DCA	AML	EMI		
8.0	BAL	DCA	AML	EMI	ADW	
8.2	AML	EMI	ADW	BAL		
8.3	BAL	DCA	AML	EMI		
8.5	AML	EMI	BAL			
8.7	BAL	DCA	ADW	EMI	AML	
8.9	ADW	EMI	AML	BAL		
9.1	BAL	DCA	AML	EMI		
9.2	AML	EMI	BAL			
9.4	BAL	DCA	ADW	EMI	AML	
10.3	BAL	ADW	EMI	AML		
10.4	BAL	DCA	AML	ADW	EMI	
10.5	BAL	ADW	EMI	AML		
10.7	BAL	DCA	AML	ADW	EMI	
10.8	BAL	ADW	EMI	AML		
10.9	BAL	DCA	AML	ADW	EMI	
11.6	OTT	BAL	ADW	AML	EMI	
11.8	BAL	DCA	AML	ADW	EMI	
11.9	BAL	ADW	AML	EMI		
12.0	OTT	BAL	ADW	AML	EMI	
12.1	BAL	DCA	AML	ADW	EMI	
12.3	BAL	ADW	AML	EMI		

DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
12.5	BAL	DCA	AML	ADW	EMI	
28.8	AML	EMI	ADW	BAL		
29.1	AML	EMI	ADW	OTT	BAL	
29.3	AML	EMI	ADW	BAL		
29.4	AML	EMI	BAL			
29.6	AML	EMI	OTT	BAL		
30.7	DCA	EMI	AML	BAL	OTT	
32.7	DCA	EMI	AML	BAL	BRV	
33.4	AML	BAL	DCA			
33.7	BAL	DCA	AML	BRV	OTT	
33.9	BAL	DCA	AML			
34.1	BAL	DCA	AML	BRV	OTT	
34.3	BAL	DCA	AML			
34.6	BAL	DCA	AML	BRV	OTT	
34.8	BAL	DCA	AML	BRV		
34.9	BAL	DCA	AML	BRV	OTT	
35.0	BAL	DCA	AML	BRV		
35.3	BAL	DCA	BRV	OTT	AML	
35.7	BAL	DCA	AML	BRV		
35.8	BAL	DCA	BRV	OTT	AML	
35.9	BAL	DCA	AML	BRV		
36.1	BRV	OTT	BAL	DCA	AML	
36.2	AML	BAL	DCA	BRV		
36.4	BRV	OTT	AML	BAL	DCA	
39.5	AML	BAL	BRV	DCA		
41.4	BRV	DCA	AML	BAL	ADW	
47.4	BRV	DCA	ADW	BAL		
49.6	BRV	DCA	ADW	BAL	OTT	
53.8	BRV	ADW	DCA	OTT		
68.0	BRV	OTT	ADW			
69.9	SBY	OTT	ADW	BRV		
74.5	SBY	OTT	BRV			
78.7	SBY	OTT	HCM	BRV		
79.9	HCM	BRV	OTT			
80.8						
97.7	HCM	RIC				
103.1	HPW	CCV	HCM	RIC		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N38° 51' 42.440631997", W077° 02' 19.621454093"	N38° 53' 06.723615789", W077° 03' 17.125293007"	1.6633
2	N38° 53' 21.791959464", W077° 03' 33.441386598"	N38° 53' 34.348420452", W077° 03' 47.039594149"	0.2739
3	N38° 53' 39.370879569", W077° 03' 52.479249602"	N38° 54' 13.124465574", W077° 04' 46.399497472"	0.9143
4	N38° 03' 46.044363295", W076° 39' 41.911296984"	N37° 46' 54.632404573", W076° 38' 34.325090979"	16.8615

DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

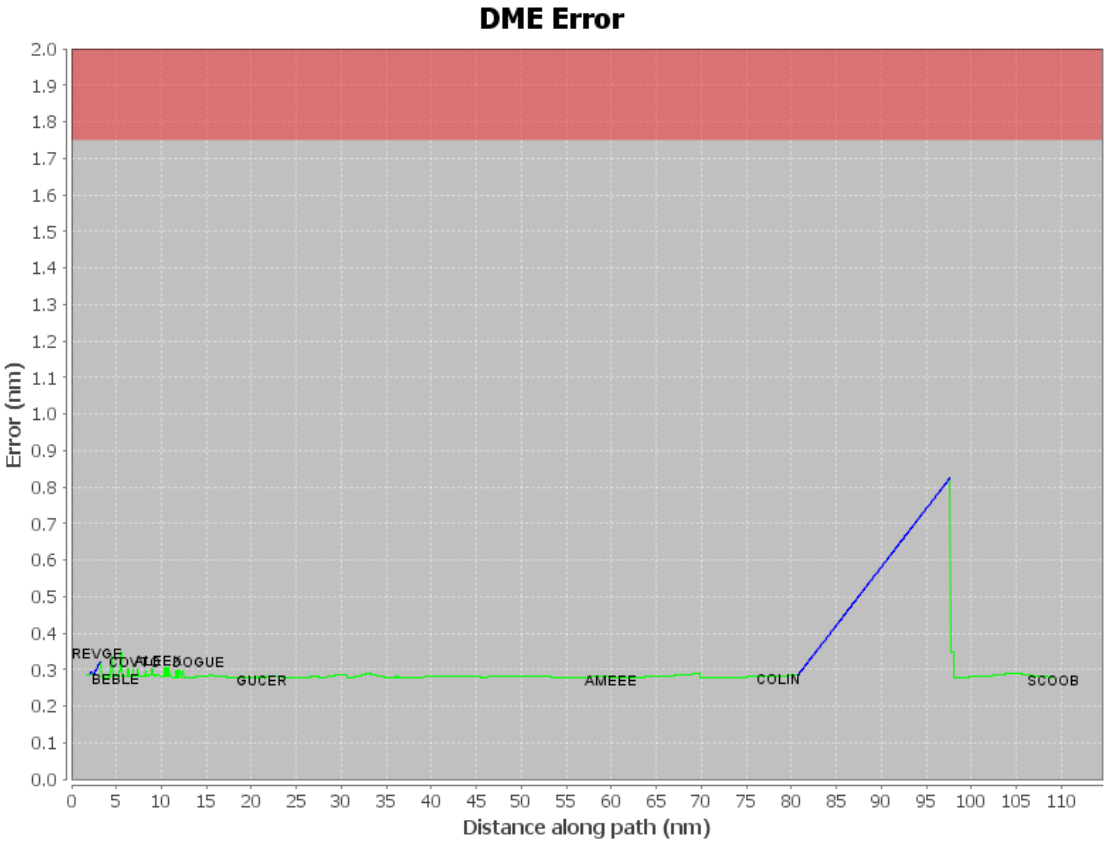
Available DMEs by Waypoints		
Waypoint Before	**Waypoint After**	**DME List**
KDCA:RW01:DER	REVGE	ADW, BAL
REVGE	BEBLE	EMI, DCA, BAL
BEBLE	COVTO	EMI, DCA, ADW, BAL, CSN
COVTO	ALEEX	EMI, AML, DCA, ADW, BAL, CSN
ALEEX	DOGUE	AML, EMI, DCA, ADW, BAL, OTT
DOGUE	GUCER	AML, EMI, DCA, ADW, BAL, OTT
GUCER	AMEEE	AML, EMI, DCA, ADW, BRV, BAL, OTT
AMEEE	COLIN	DCA, ADW, BRV, SBY, OTT
COLIN	SCOOB	HCM, BRV, CCV, SBY, RIC, OTT, HPW

User Data Files	
#	**File Name**
None	

User DMEs

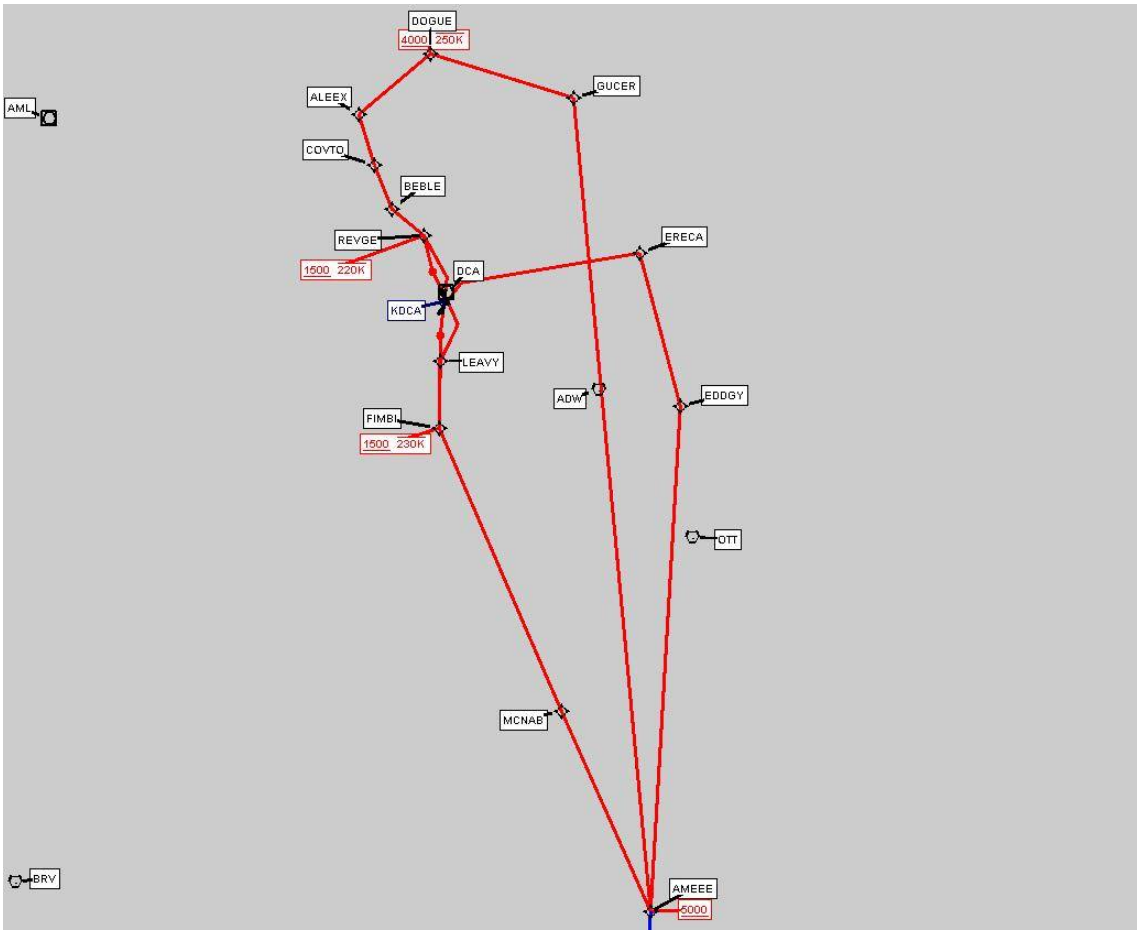
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV SBY [IFPA] SBY [IFPA]	N38° 20' 42.020100000", W075° 30' 38.067400000"	12.0 W	40	52.5	111.2	ESV SBY [IFPA]	
ESV:	Bearing [True]: 253.0° to 268.0° Bearing [Mag]: 265.0° to 280.0°					Arc Distance: Out to 65.0 NM Altitude: 7000.0 to 16000.0 ft		

DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB



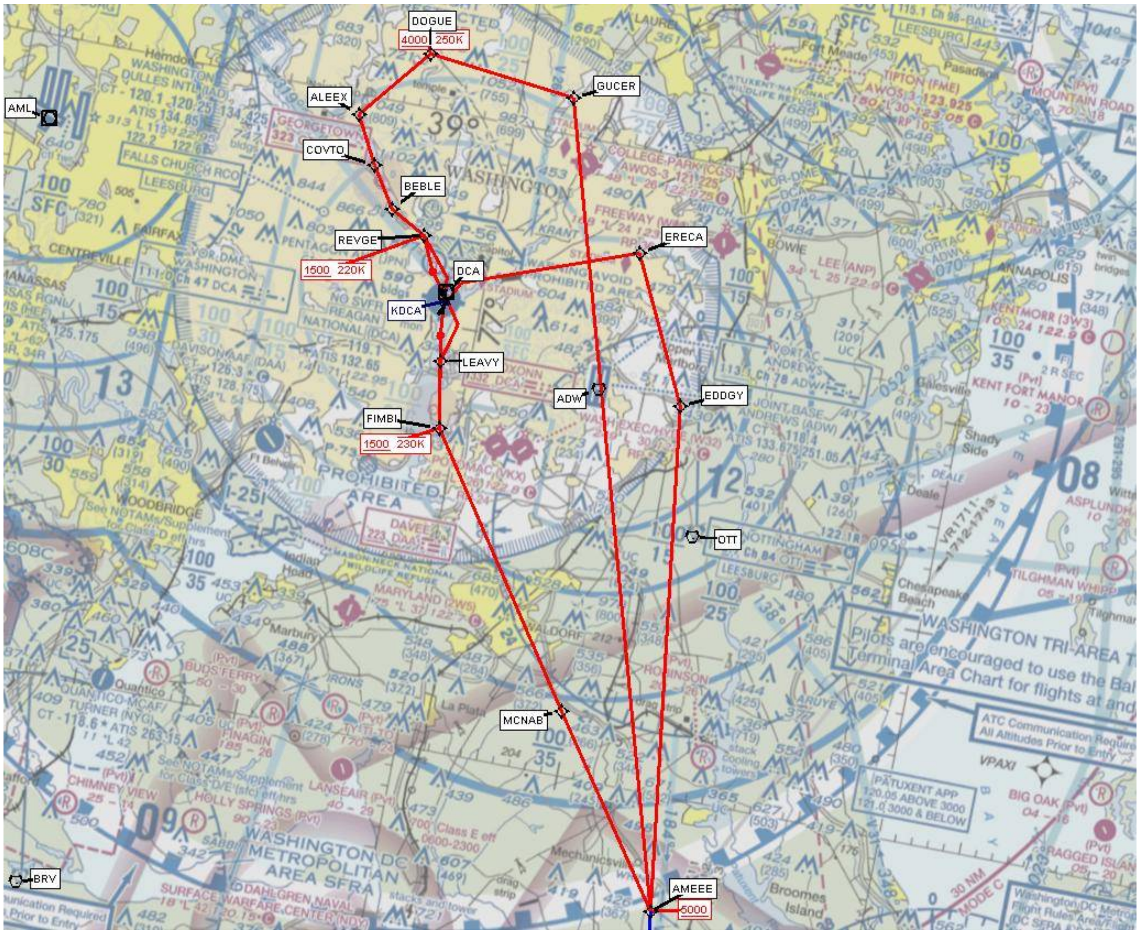
DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Graphic Depiction 1



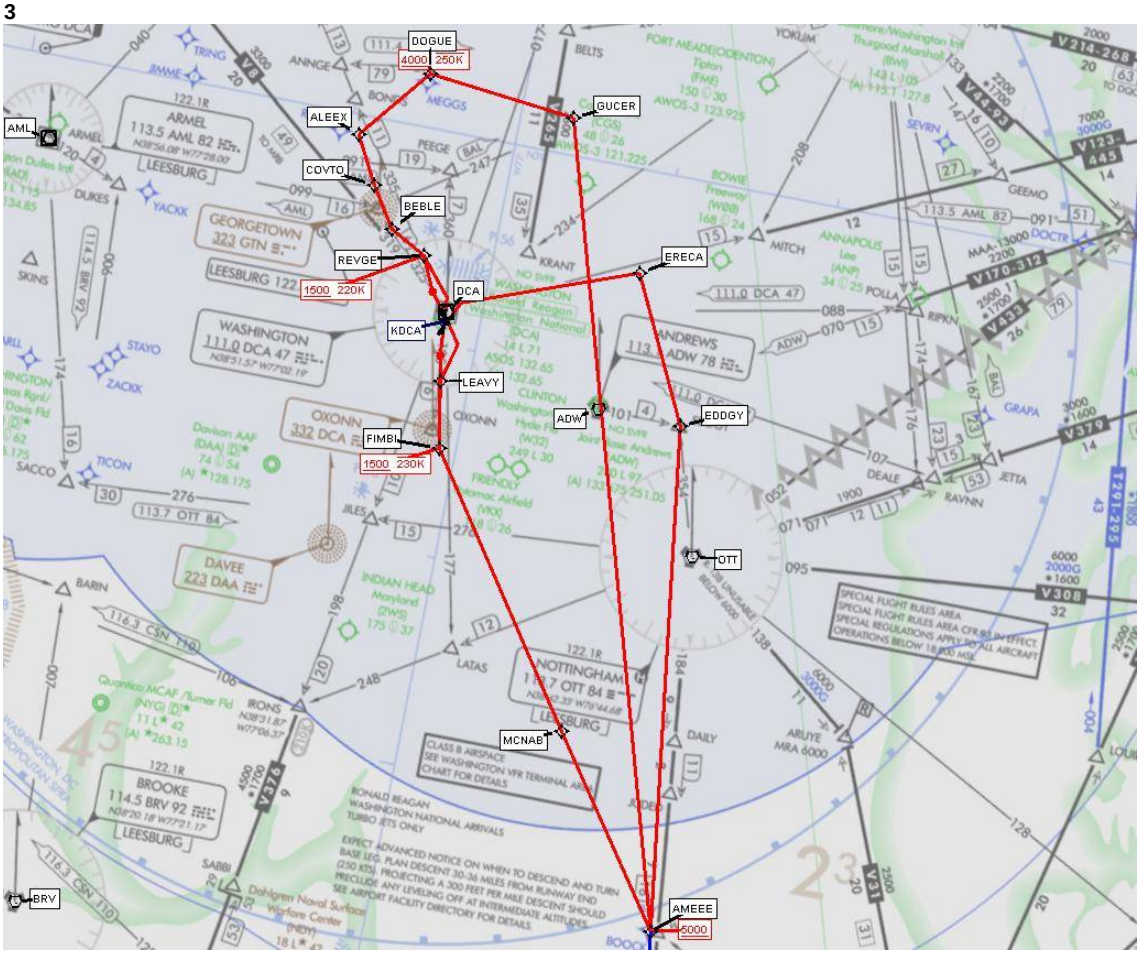
DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Graphic Depiction 2



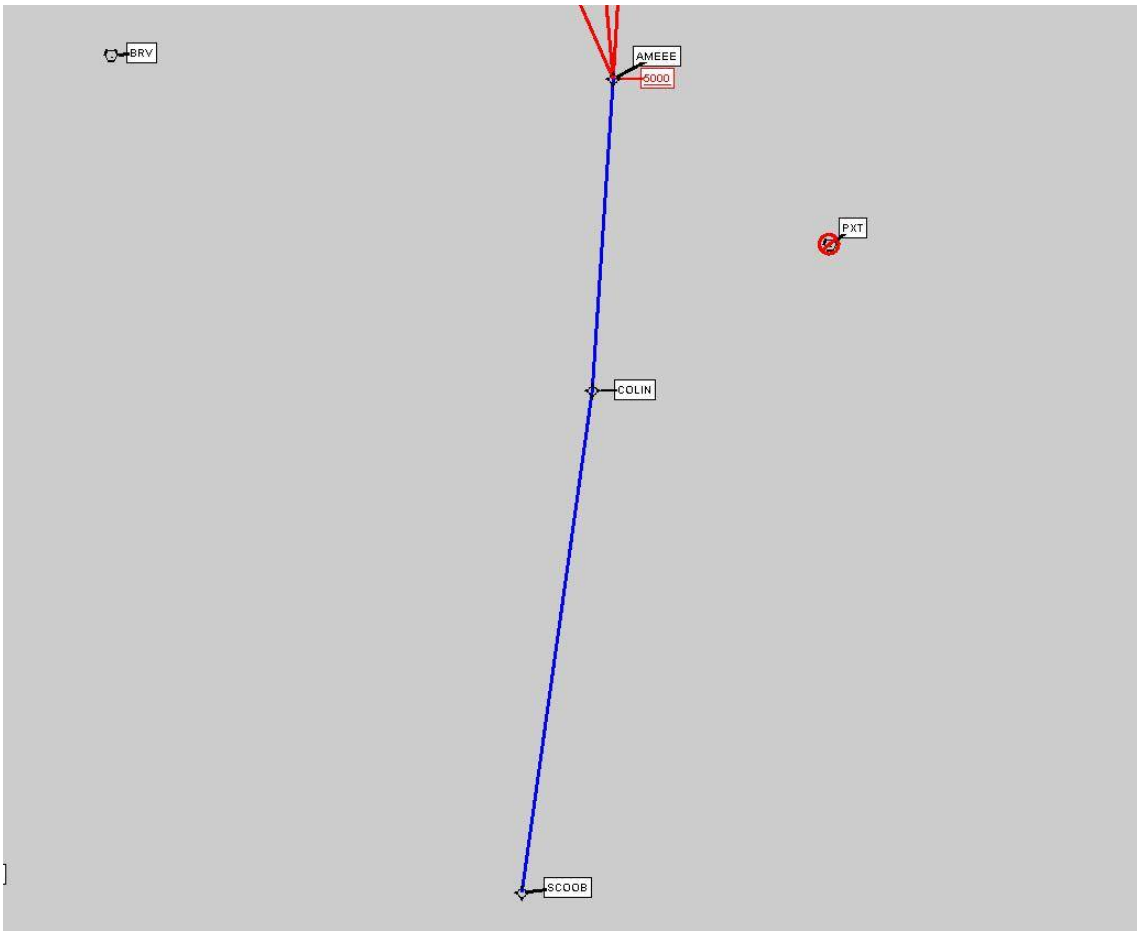
DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Graphic Depiction 3



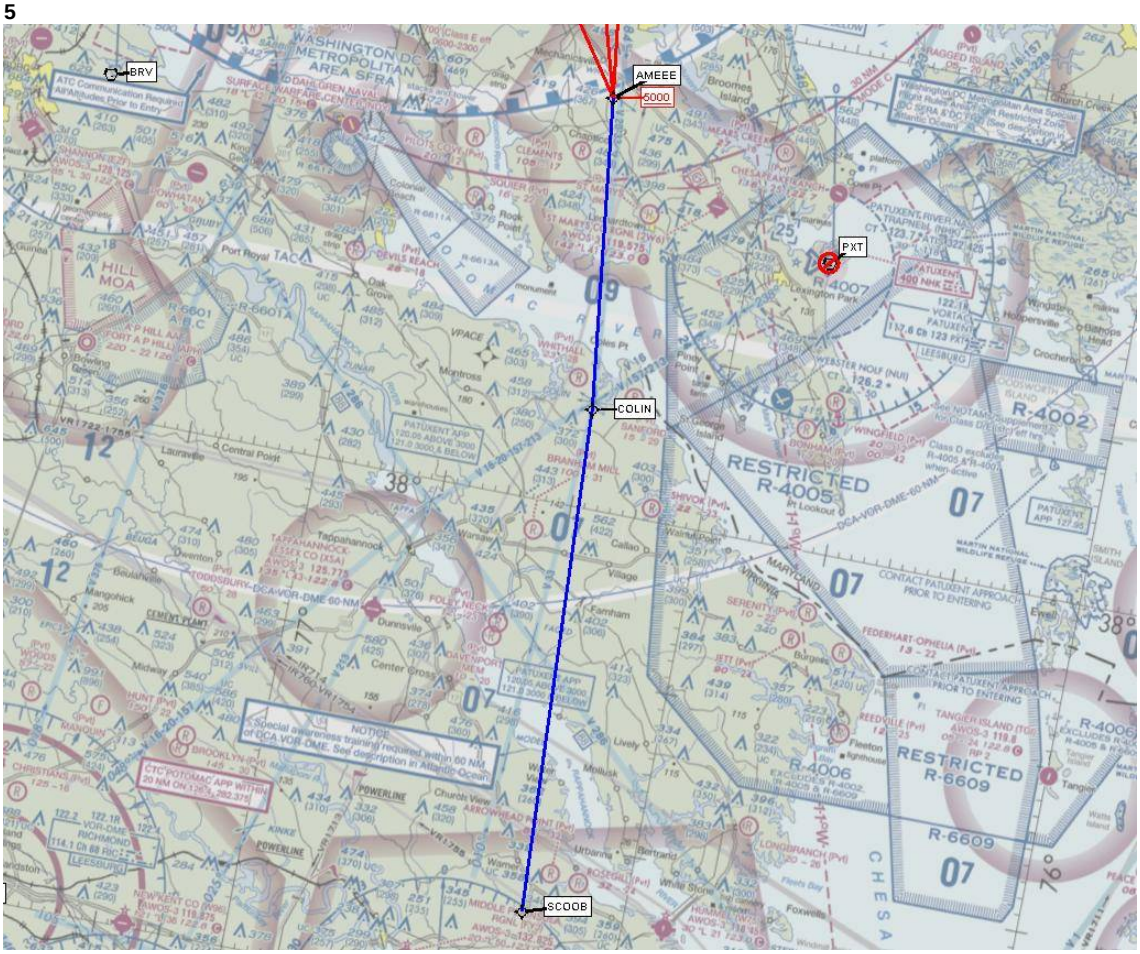
DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Graphic Depiction 4



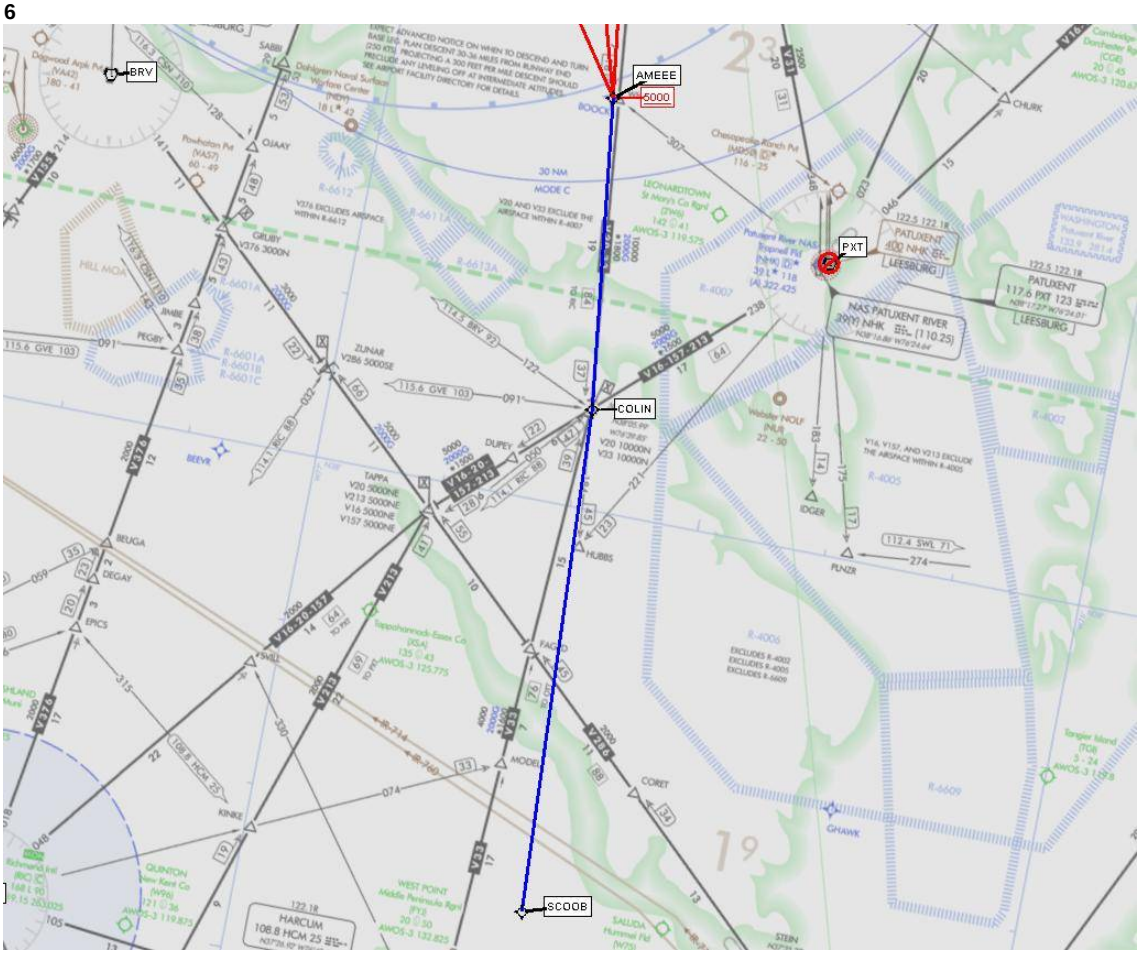
DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Graphic Depiction 5



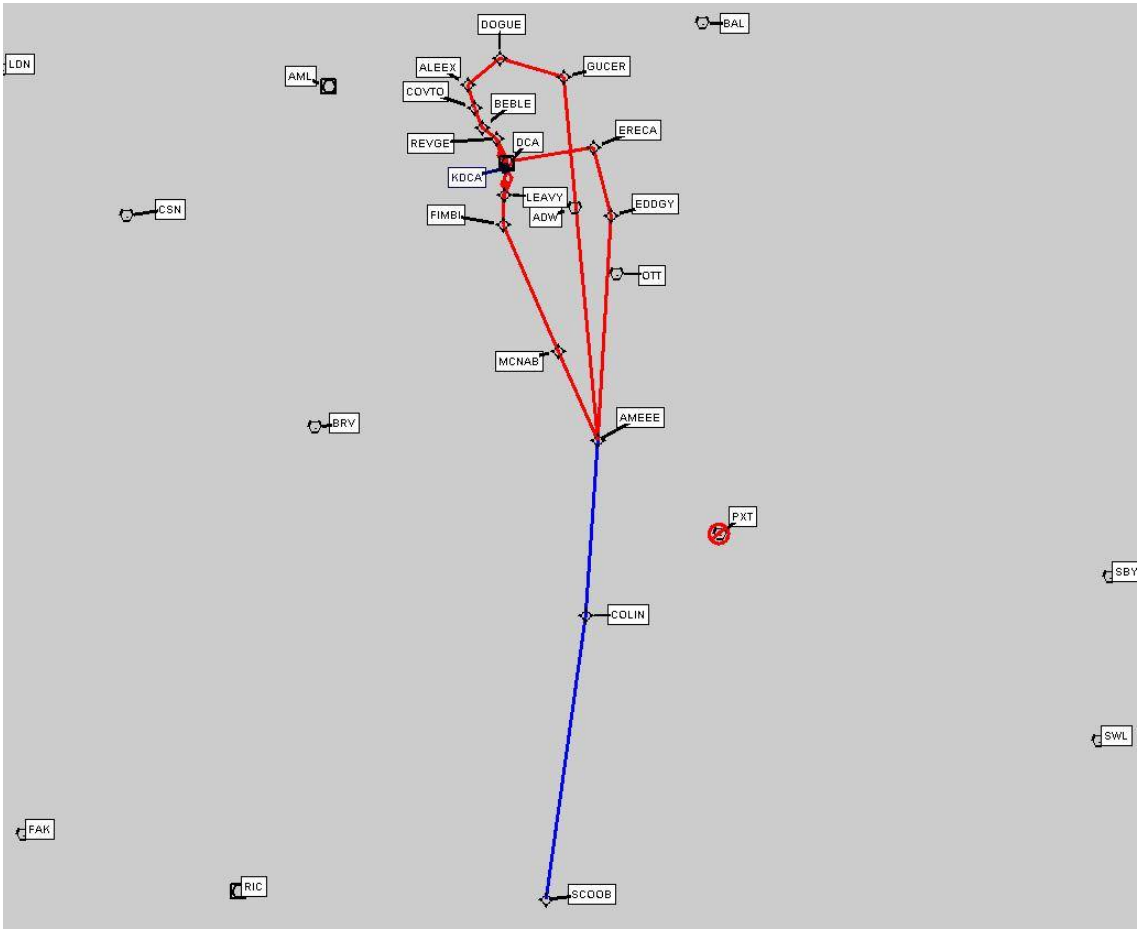
DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Graphic Depiction 6



DME DME Assessment Results for AMEEE1 path KDCA:RW01:DER_SCOOB

Graphic Depiction 7



DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Mason
Project File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\AMEEE.tgs
Output File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\KDCA AMEEE DME\KDCA [IFPA] AMEEE1 20191114_0646 EST\KDCA-RW04-DER_AMEEE\KDCA AMEEE1 SID KDCA RW04 AMEEE 20191114_0646 EST.pdf
Procedure Name:	AMEEE1
Software: DmeDmePlugin:	6.0.0
Date/Time:	11/14/2019 06:46 EST
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KDCA:RW04:DER	WP	N38° 51' 12.639600000", W077° 02' 01.970800000"	11	VNAV	130	FLY_BY	TF
ERECA	WP	N38° 55' 07.665000000", W076° 51' 07.094000000"	4828.3	VNAV	200	FLY_BY	TF
EDDGY	WP	N38° 48' 21.710000000", W076° 46' 53.290000000"	5000	VNAV	200	FLY_BY	TF
AMEEE	WP	N38° 24' 34.350000000", W076° 42' 50.500000000"	5000	VNAV	250	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 515.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KDCA [IFPA]
Climb Gradient:	500.0 ft/NM up to 515.0 ft MSL 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 AMEEE1 path KDCA:RW04:DER_AMEEE

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
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:	PXT

DME/DME (Continued)

DMEs Used

#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OTT	N38° 42' 21.135200000", W076° 44' 41.085400000"	10.0 W	40	L	IFPA	NO	Enabled	56 %	56.9 %
2	BAL	N39° 10' 15.828300000", W076° 39' 40.522500000"	11.0 W	40	L	IFPA	NO	Enabled	79.3 %	79.7 %
3	BRV	N38° 20' 10.526400000", W077° 21' 10.315900000"	9.0 W	40	L	IFPA	NO	Enabled	59.6 %	60.6 %
4	AML	N38° 56' 04.538000000", W077° 28' 00.128500000"	8.0 W	40	L	IFPA	NO	Enabled	48.6 %	48.9 %
5	ADW	N38° 48' 25.990000000", W076° 51' 58.520000000"	10.0 W	40	L	IFPA	NO	Enabled	73.9 %	75 %
6	EMI	N39° 29' 42.026600000", W076° 58' 42.859100000"	8.0 W	130	H	IFPA	NO	Enabled	19.9 %	20 %
7	DCA	N38° 51' 34.030100000", W077° 02' 11.170000000"	9.0 W	40	L	IFPA	NO	Enabled	85.8 %	87 %
8	PXT	N38° 17' 16.282500000", W076° 24' 00.831500000"	10.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Flight Check DME Selection						
Distance [NM]	**Selected DMEs**					**Alternate**
0.0						
1.6	OTT	BAL				
1.7	BAL	ADW				
1.8	OTT	BAL	ADW			
1.9	OTT	BAL				
1.9	OTT	BAL	ADW			
2.0	OTT	BAL				
2.1	OTT	BAL	ADW			
2.2	OTT	BAL				
2.3	OTT	BAL	ADW			
2.3	OTT	BAL				
2.4						
2.6	BAL	ADW				
2.7	OTT	BAL	ADW			
2.8						
2.9	BAL	ADW				
2.9	OTT	BAL	ADW			
3.0	BAL	ADW				
3.2	BAL	ADW	OTT			
3.2	BAL	ADW				
3.4	BAL	ADW	OTT			
3.6	BAL	ADW				
3.8	BAL	ADW	OTT			
4.0	BAL	ADW				
4.3	OTT	BAL				
4.4	BAL	ADW				
4.4						
4.7	OTT	BAL				
4.8						
4.9	OTT	BAL				
5.0	AML	BAL				
5.2	OTT	BAL	AML			
5.2	AML	EMI	BAL			
5.3	AML	EMI	OTT	BAL		
5.4	AML	EMI	DCA	BAL		
5.5	AML	EMI	OTT	DCA	BAL	
5.7	AML	EMI	DCA	BAL		
6.0	AML	EMI	OTT	DCA	BAL	
6.0	AML	EMI	DCA	BAL		
6.1	AML	EMI	OTT	DCA	BAL	
6.3	AML	EMI	DCA	BAL		
6.4	AML	EMI	OTT	DCA	BAL	
6.5	AML	EMI	DCA	BAL		
6.5	AML	EMI	OTT	DCA	BAL	
6.7	AML	EMI	DCA	BAL		
6.8	AML	EMI	OTT	DCA	BAL	
6.9	AML	EMI	DCA	BAL		
7.0	OTT	DCA	AML	EMI	BAL	
9.8	AML	ADW	DCA	EMI	BAL	
12.4	DCA	EMI	AML	BAL		
12.5	DCA	EMI	OTT	AML	BAL	
13.0	DCA	EMI	AML	BAL		
13.3	DCA	EMI	AML	BAL	OTT	
13.5	AML	BAL	DCA			
13.9	AML	BAL	DCA	OTT		
14.8	AML	BAL	DCA	OTT	ADW	BRV

DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
19.6	AML	BAL	DCA	OTT	ADW	
20.5	AML	BAL	DCA			
21.0	BRV	ADW	AML	BAL	DCA	
25.2	BRV	ADW	DCA	BAL		
30.0	BRV	ADW	DCA	OTT	BAL	
35.3	BRV	ADW	DCA	OTT		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N38° 51' 14.590066676", W077° 02' 00.777809690"	N38° 52' 18.844139842", W077° 00' 48.748000869"	1.5253
2	N38° 52' 37.384374925", W076° 59' 45.042430383"	N38° 52' 40.859592439", W076° 59' 33.096612304"	0.1659
3	N38° 52' 45.492686870", W076° 59' 17.168352085"	N38° 52' 46.650866023", W076° 59' 13.186197250"	0.0553
4	N38° 53' 19.064539334", W076° 57' 21.671283655"	N38° 53' 24.849576847", W076° 57' 01.754944307"	0.2765
5	N38° 53' 26.006470925", W076° 56' 57.771568747"	N38° 53' 29.476926300", W076° 56' 45.821226689"	0.1659

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List
KDCA:RW04:DER	ERECA	AML, EMI, DCA, ADW, BAL, OTT
ERECA	EDDGY	AML, EMI, DCA, ADW, BRV, BAL, OTT
EDDGY	AMEEE	AML, DCA, ADW, BRV, BAL, OTT

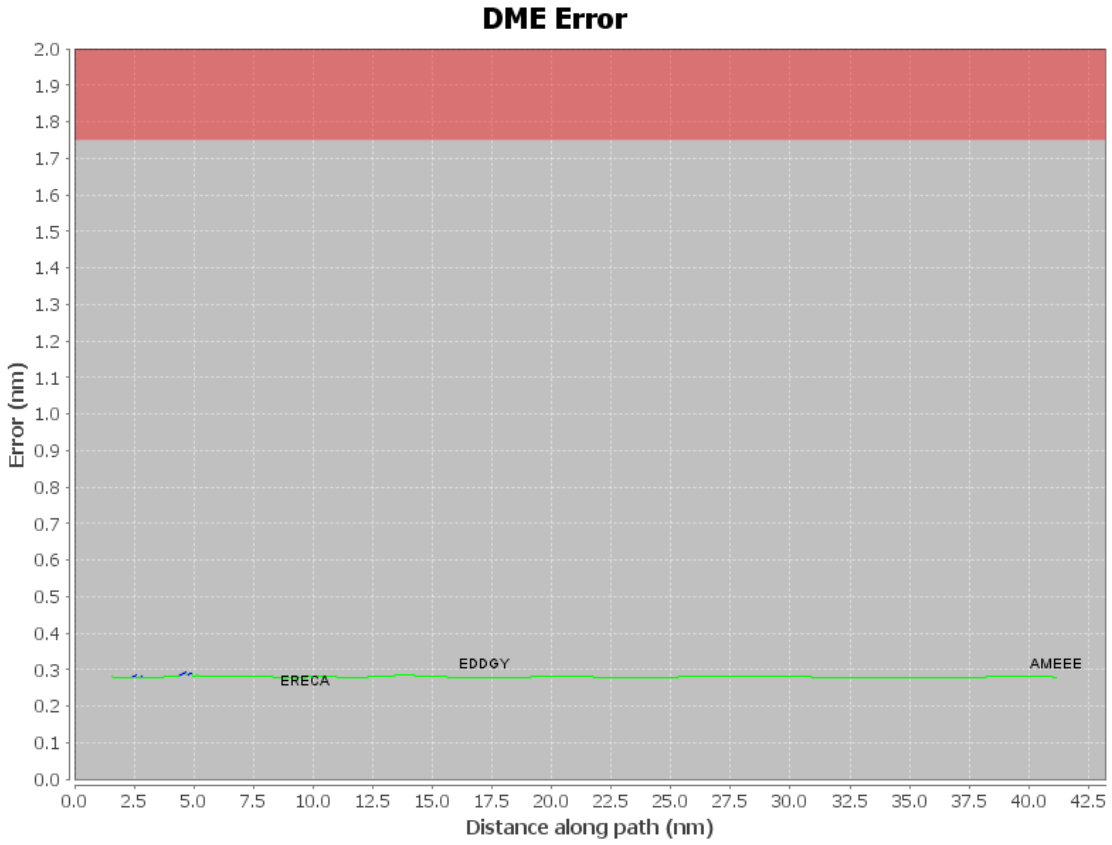
User Data Files

#	File Name
None	

User DMEs

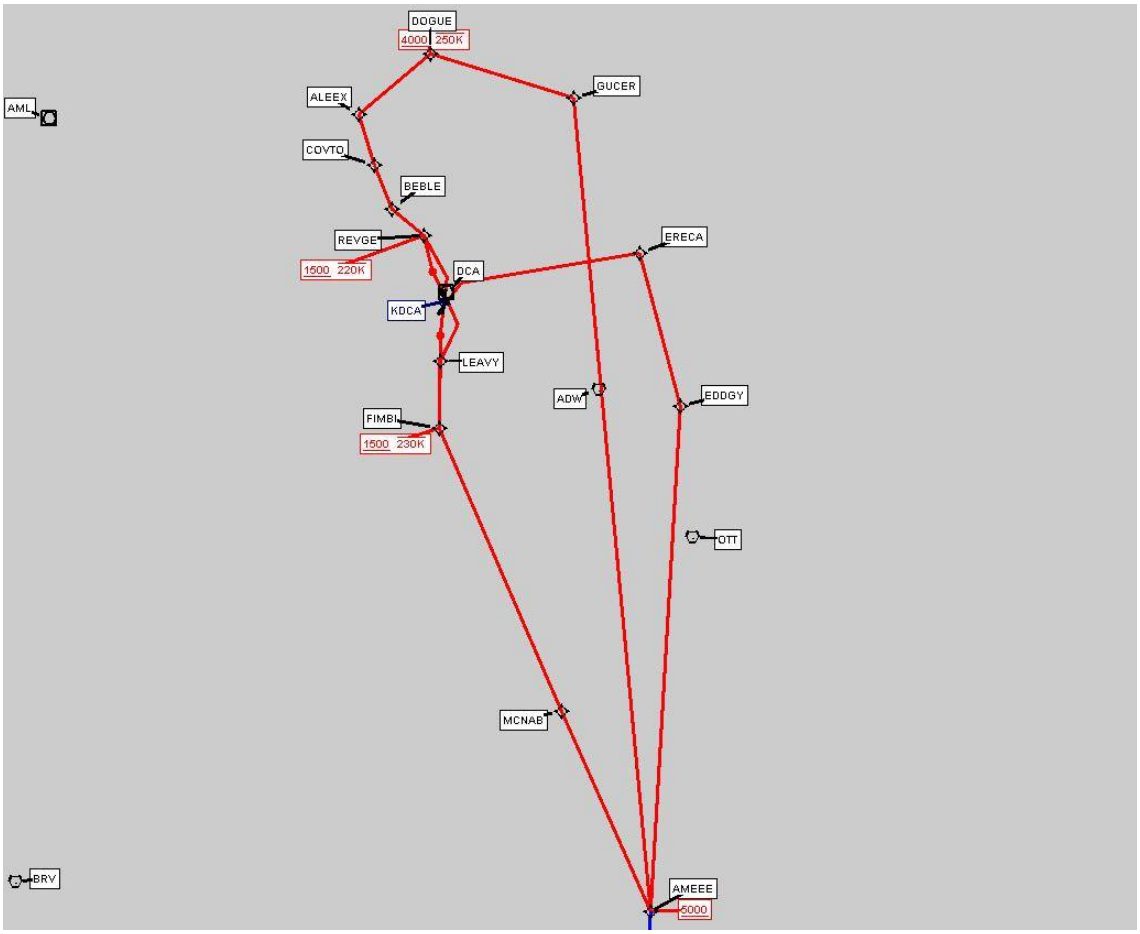
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV SBY [IFPA] SBY [IFPA]	N38° 20' 42.020100000", W075° 30' 38.067400000"	12.0 W	40	52.5	111.2	ESV SBY [IFPA]	
ESV:		Bearing [True]: 253.0° to 268.0° Bearing [Mag]: 265.0° to 280.0°				Arc Distance: Out to 65.0 NM Altitude: 7000.0 to 16000.0 ft		

DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE



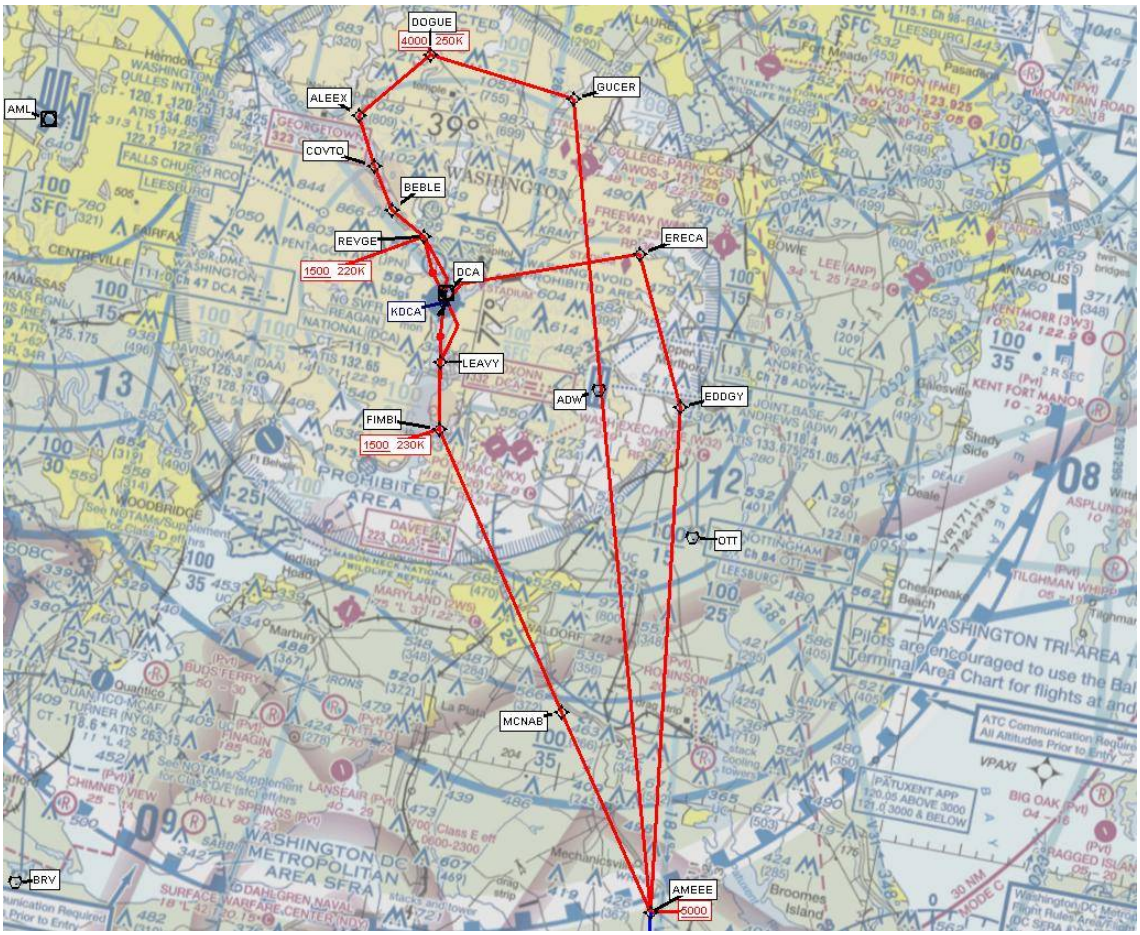
DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Graphic Depiction 1



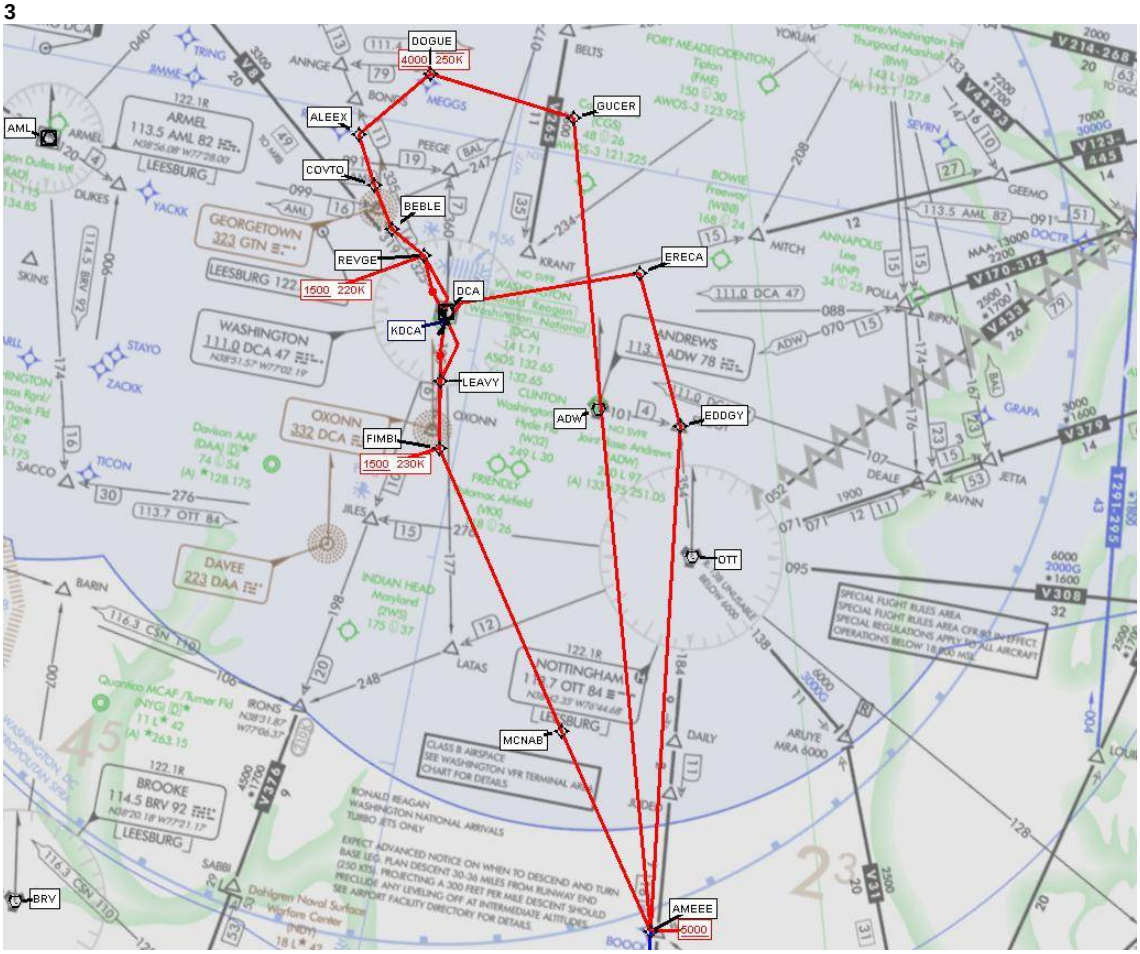
DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Graphic Depiction 2



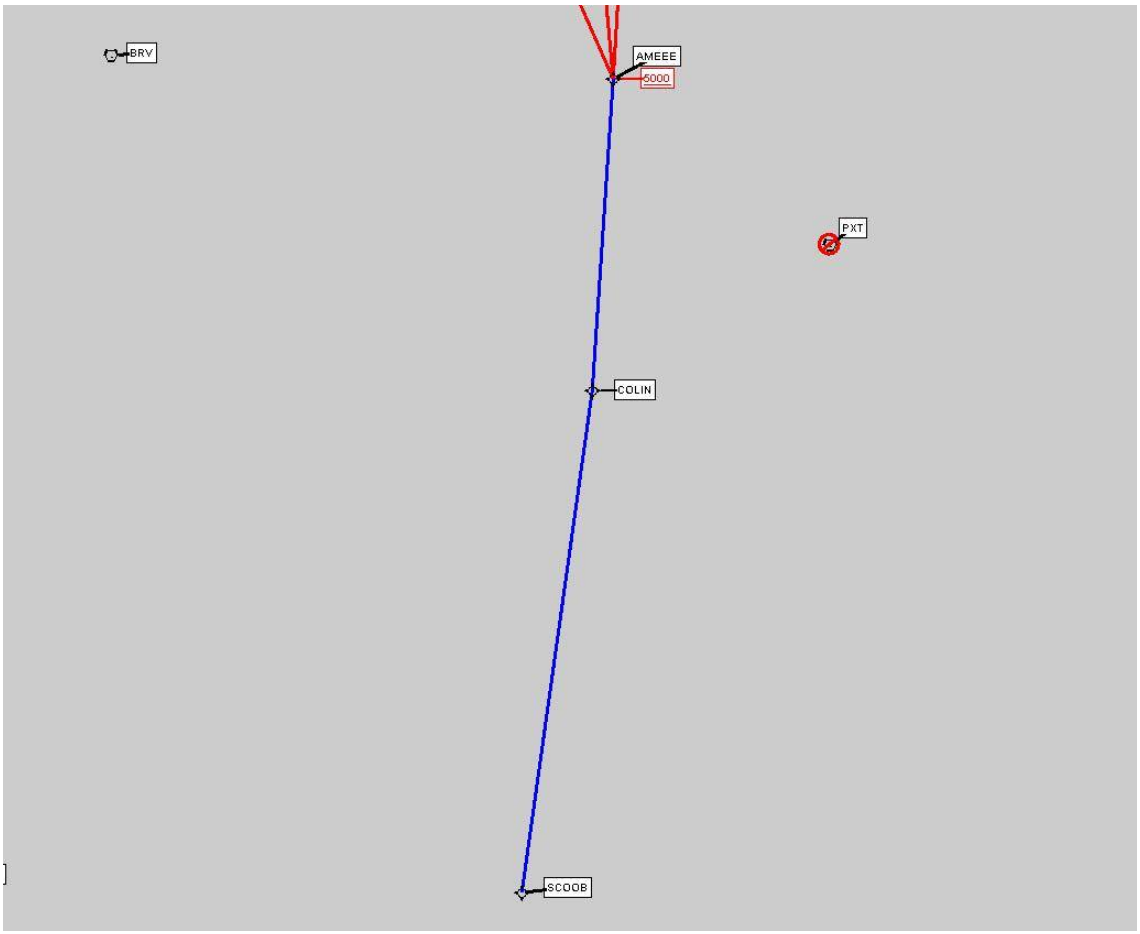
DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Graphic Depiction 3



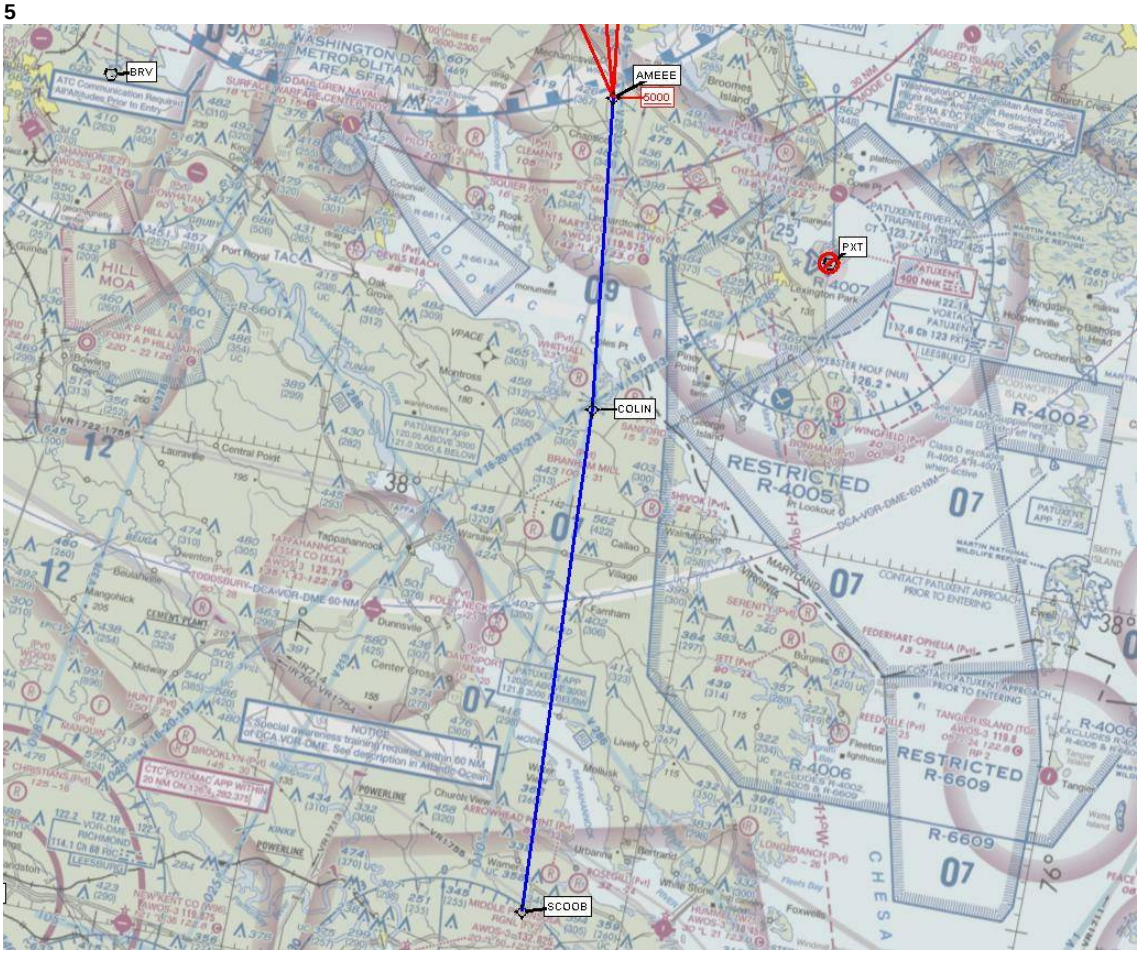
DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Graphic Depiction 4



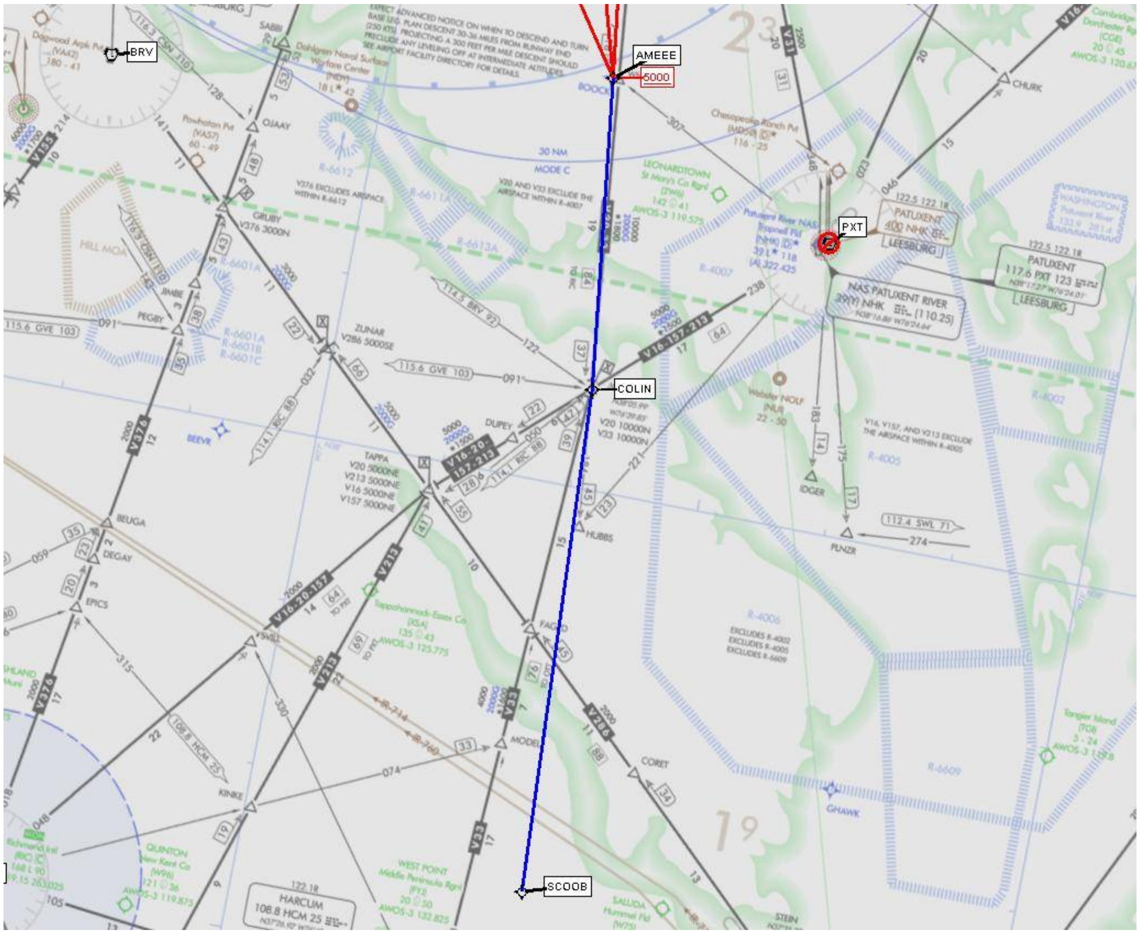
DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Graphic Depiction 5



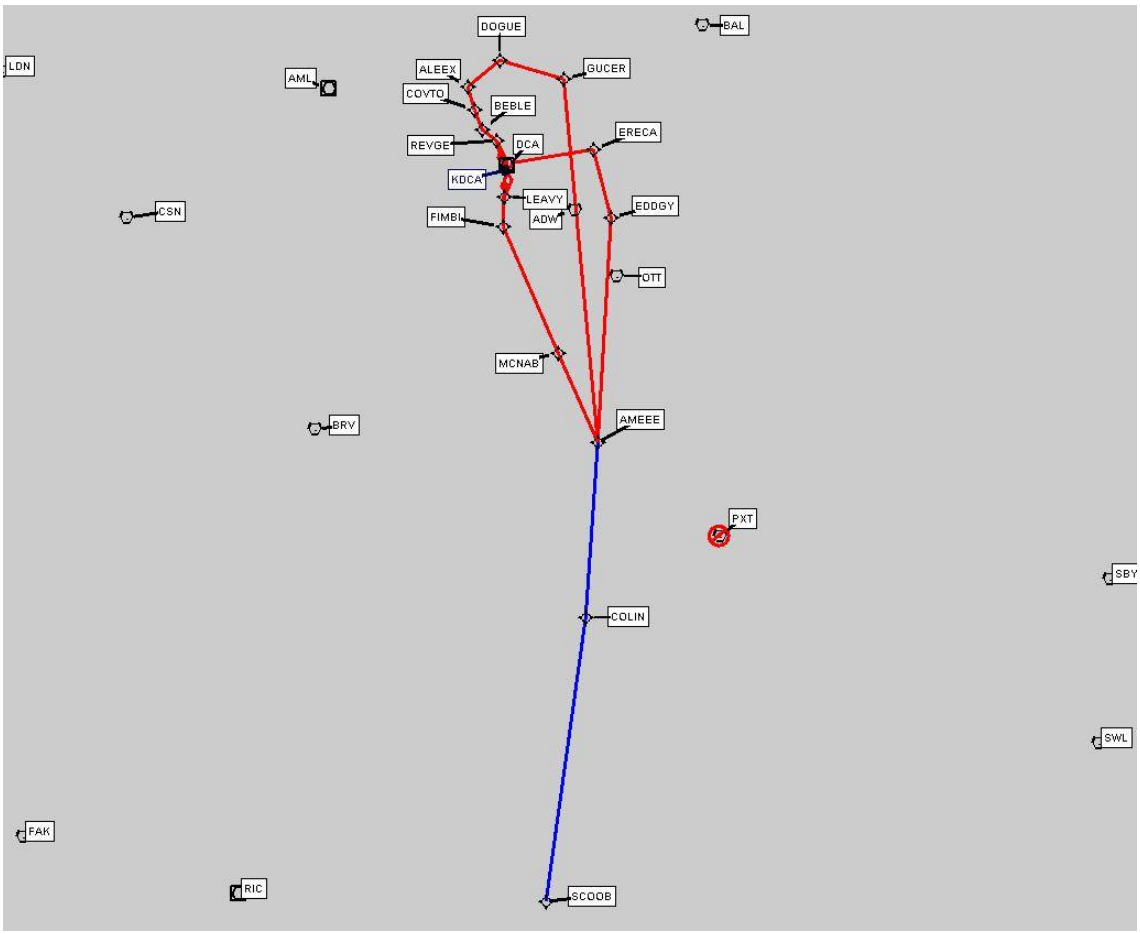
DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Graphic Depiction 6



DME DME Assessment Results for AMEEE1 path KDCA:RW04:DER_AMEEE

Graphic Depiction 7



DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Mason
Project File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\AMEEE.tgs
Output File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\KDCA AMEEE DME\KDCA [IFPA] AMEEE1 20191114_0646 EST\KDCA-RW15-DER_AMEEE\KDCA AMEEE1 SID KDCA RW15 AMEEE 20191114_0646 EST.pdf
Procedure Name:	AMEEE1
Software: DmeDmePlugin:	6.0.0
Date/Time:	11/14/2019 06:46 EST
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KDCA:RW15:DER	WP	N38° 50' 59.294600000", W077° 01' 55.952800000"	10.3	VNAV	130	FLY_BY	TF
LEAVY	WP	N38° 48' 19.330000000", W077° 01' 50.090000000"	1400	VNAV	200	FLY_BY	TF
FIMBI	WP	N38° 45' 08.900000000", W077° 01' 05.770000000"	1400	VNAV	230	FLY_BY	TF
MCNAB	WP	N38° 33' 06.130000000", W076° 50' 27.690000000"	4327.3	VNAV	230	FLY_BY	TF
AMEEE	WP	N38° 24' 34.350000000", W076° 42' 50.500000000"	5000	VNAV	250	FLY_BY	TF

Climb Gradient:
500.0 ft/NM up to 515.0 ft MSL
200.0 ft/NM

Flyability

Flight Type:	SID
Selected Airport:	KDCA [IFPA]
Climb Gradient:	500.0 ft/NM up to 515.0 ft MSL 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 AMEEE1 path KDCA:RW15:DER_AMEEE

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
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:	PXT

DME/DME (Continued)

DMEs Used

#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OTT	N38° 42' 21.135200000", W076° 44' 41.085400000"	10.0 W	40	L	IFPA	NO	Enabled	92 %	94.3 %
2	BAL	N39° 10' 15.828300000", W076° 39' 40.522500000"	11.0 W	40	L	IFPA	NO	Enabled	53.5 %	54.1 %
3	BRV	N38° 20' 10.526400000", W077° 21' 10.315900000"	9.0 W	40	L	IFPA	NO	Enabled	92 %	94.3 %
4	AML	N38° 56' 04.538000000", W077° 28' 00.128500000"	8.0 W	40	L	IFPA	NO	Enabled	32.7 %	34.1 %
5	DCA	N38° 51' 34.030100000", W077° 02' 11.170000000"	9.0 W	40	L	IFPA	NO	Enabled	69 %	72 %
6	ADW	N38° 48' 25.990000000", W076° 51' 58.520000000"	10.0 W	40	L	IFPA	NO	Enabled	55.5 %	58 %
7	PXT	N38° 17' 16.282500000", W076° 24' 00.831500000"	10.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
1.8	BRV	OTT				
2.1	BRV	OTT	BAL			
2.7	BRV	OTT	BAL	DCA		
3.0	BRV	OTT	BAL			
9.0	OTT	BAL	BRV	DCA		
11.7	AML	BAL	OTT	DCA	BRV	
19.0	AML	OTT	BRV	DCA	ADW	
22.4	BRV	DCA	ADW	OTT		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N38° 50' 57.573490327", W077° 01' 54.273084417"	N38° 49' 26.392679562", W077° 01' 25.398008459"	1.7476

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List
KDCA:RW15:DER	LEAVY	DCA, BRV, BAL, OTT
LEAVY	FIMBI	BRV, BAL, OTT
FIMBI	MCNAB	AML, DCA, ADW, BRV, BAL, OTT
MCNAB	AMEEE	AML, DCA, ADW, BRV, OTT

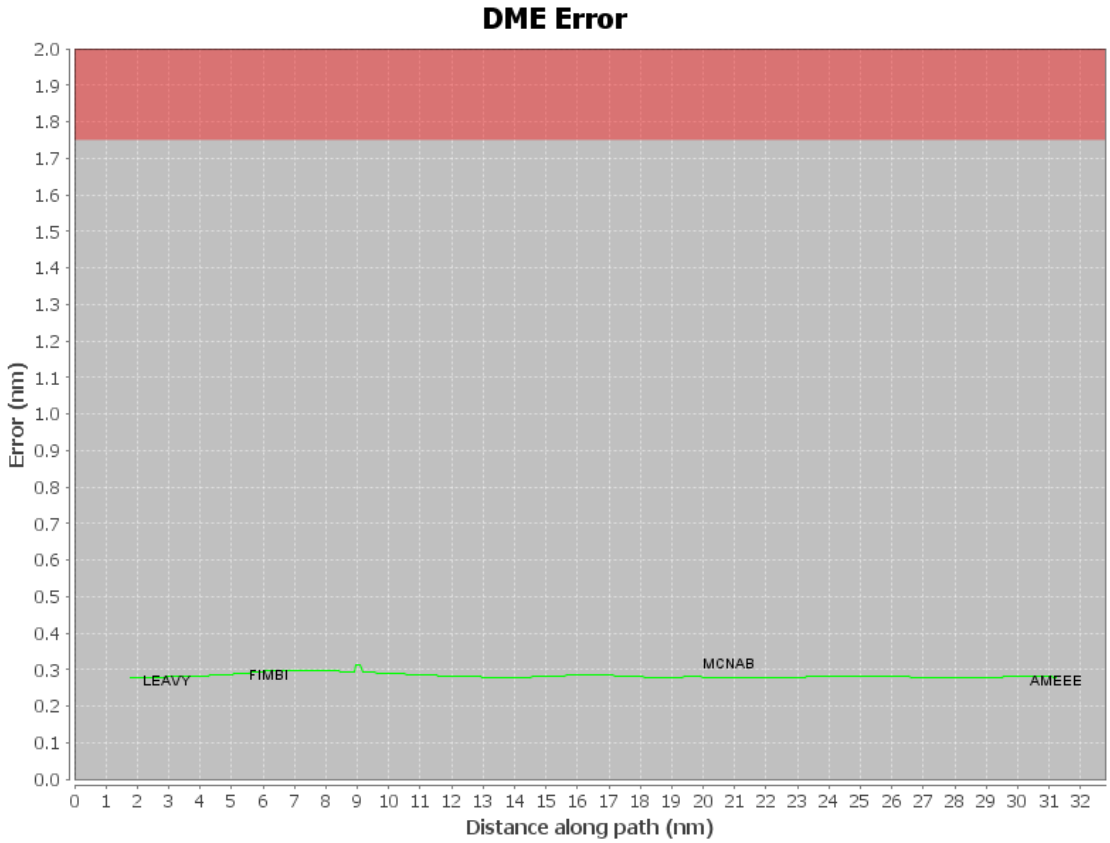
User Data Files

#	File Name
None	

User DMEs

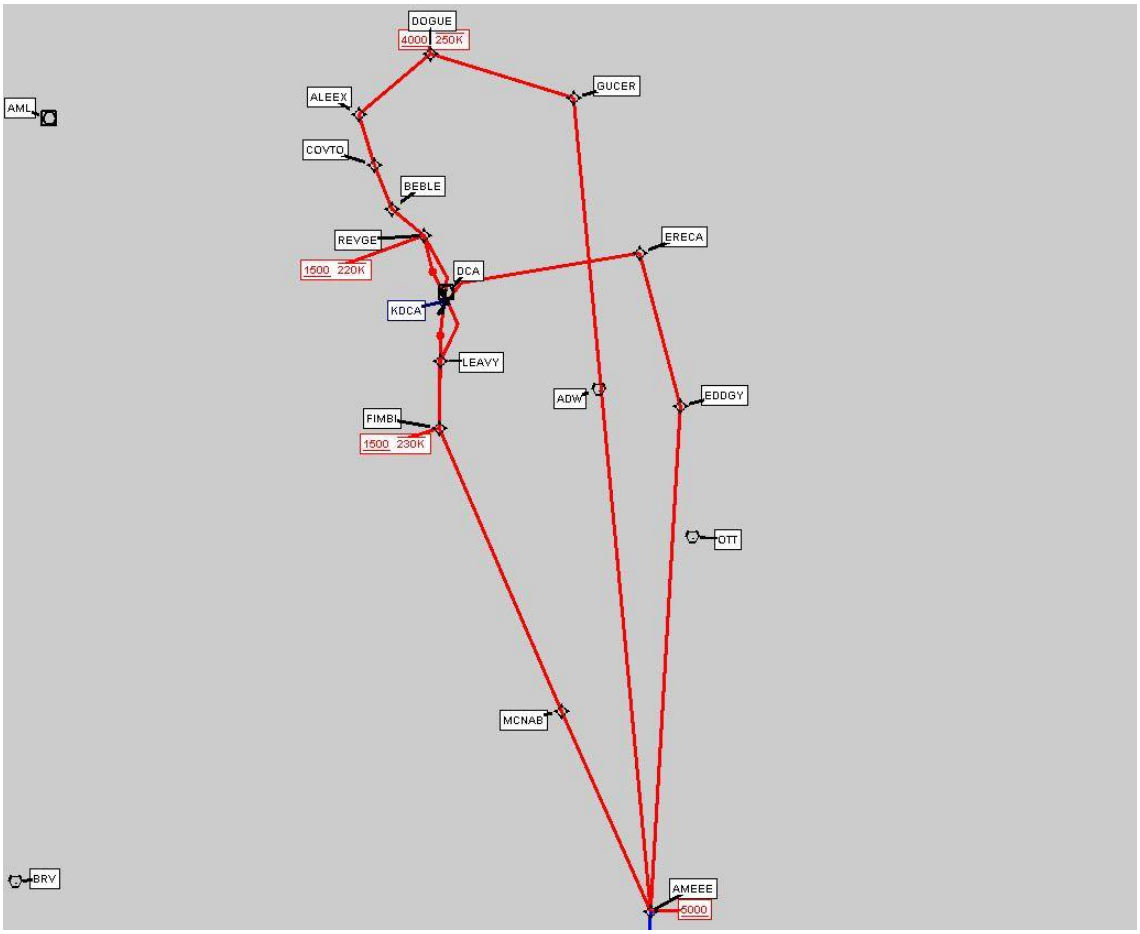
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV SBY [IFPA] SBY [IFPA]	N38° 20' 42.020100000", W075° 30' 38.067400000"	12.0 W	40	52.5	111.2	ESV SBY [IFPA]	
ESV:	Bearing [True]: 253.0° to 268.0° Bearing [Mag]: 265.0° to 280.0°					Arc Distance: Out to 65.0 NM Altitude: 7000.0 to 16000.0 ft		

DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE



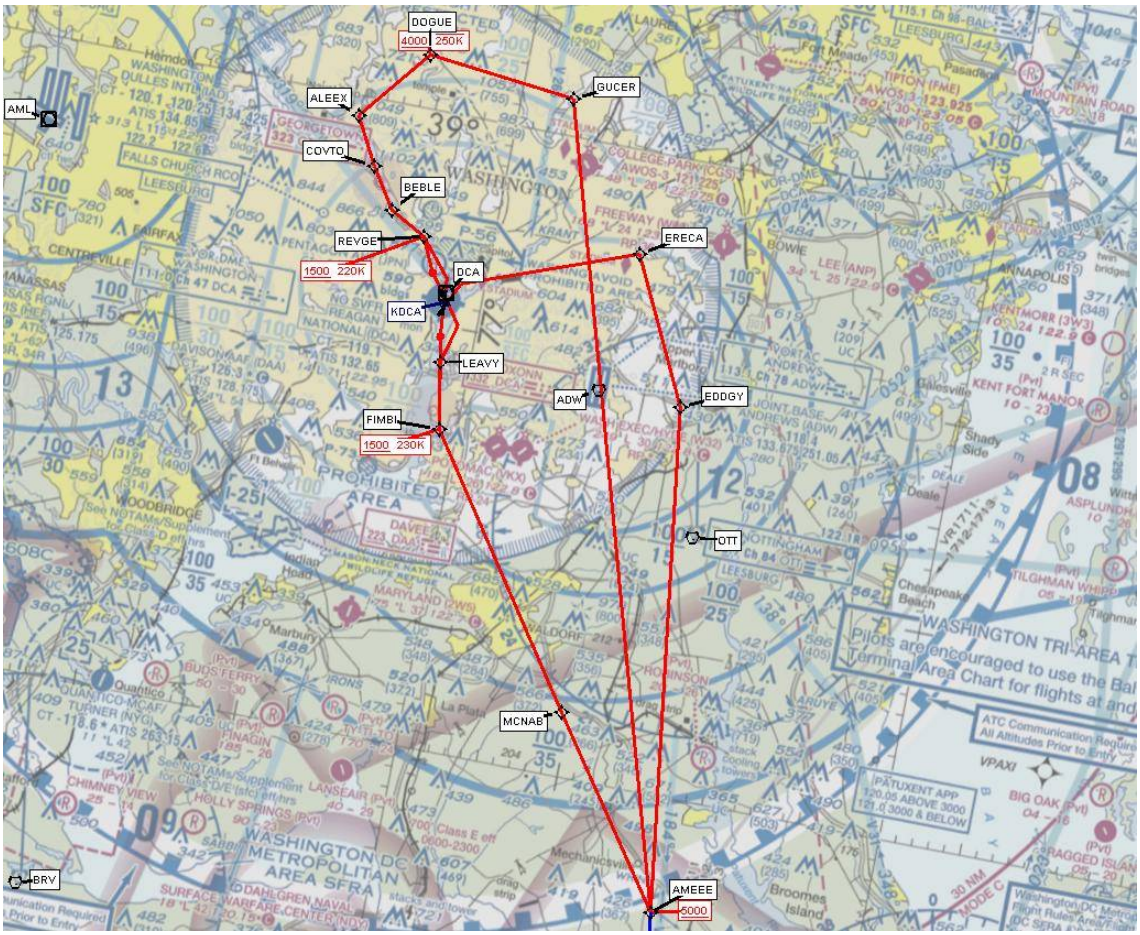
DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE

Graphic Depiction 1



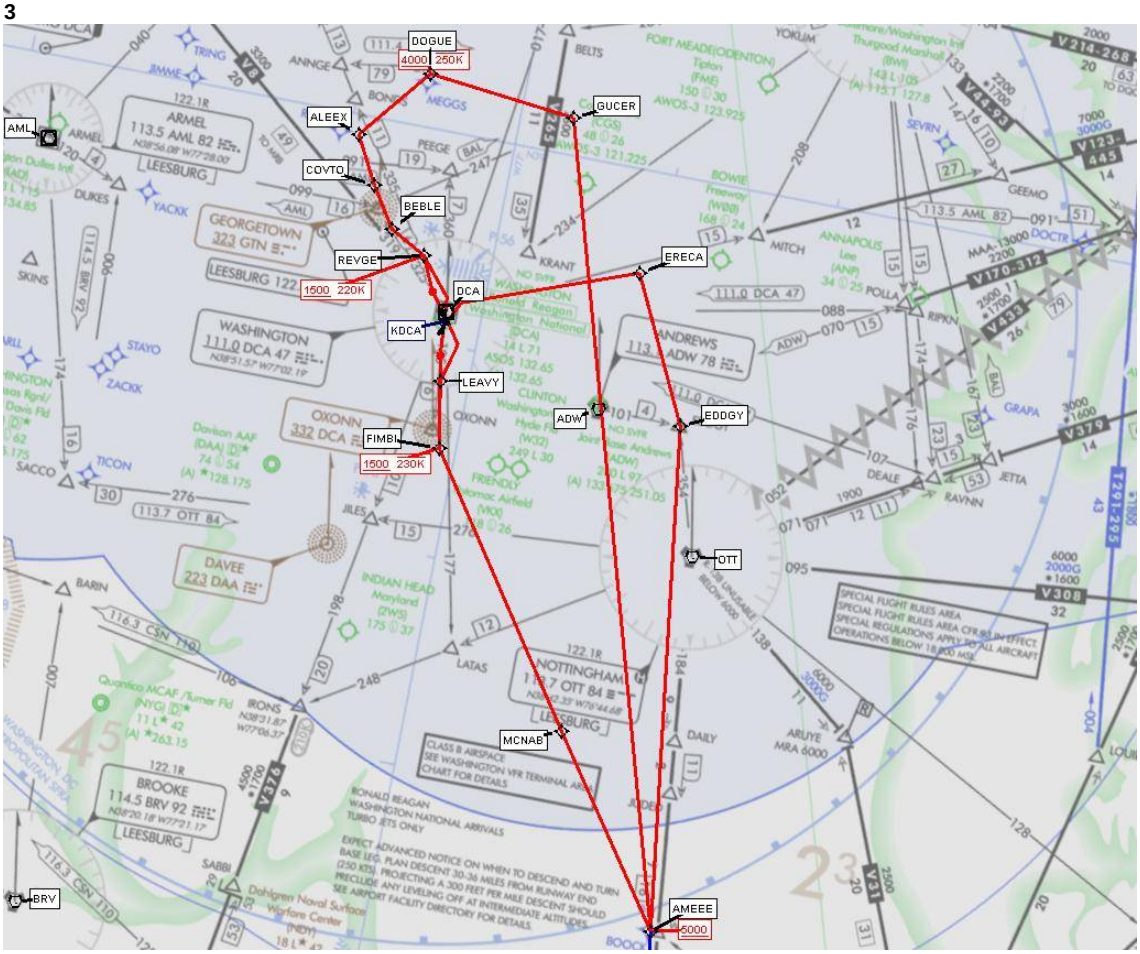
DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE

Graphic Depiction 2



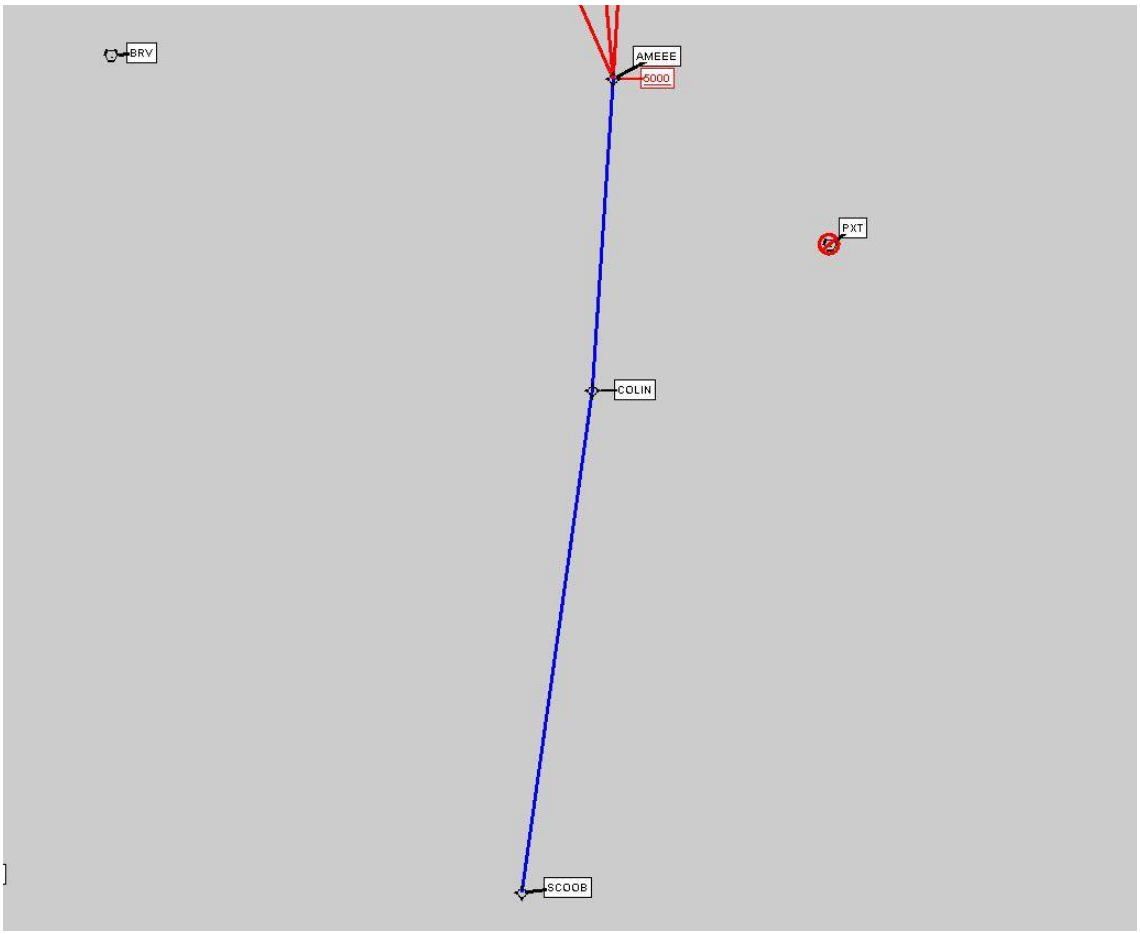
DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE

Graphic Depiction 3



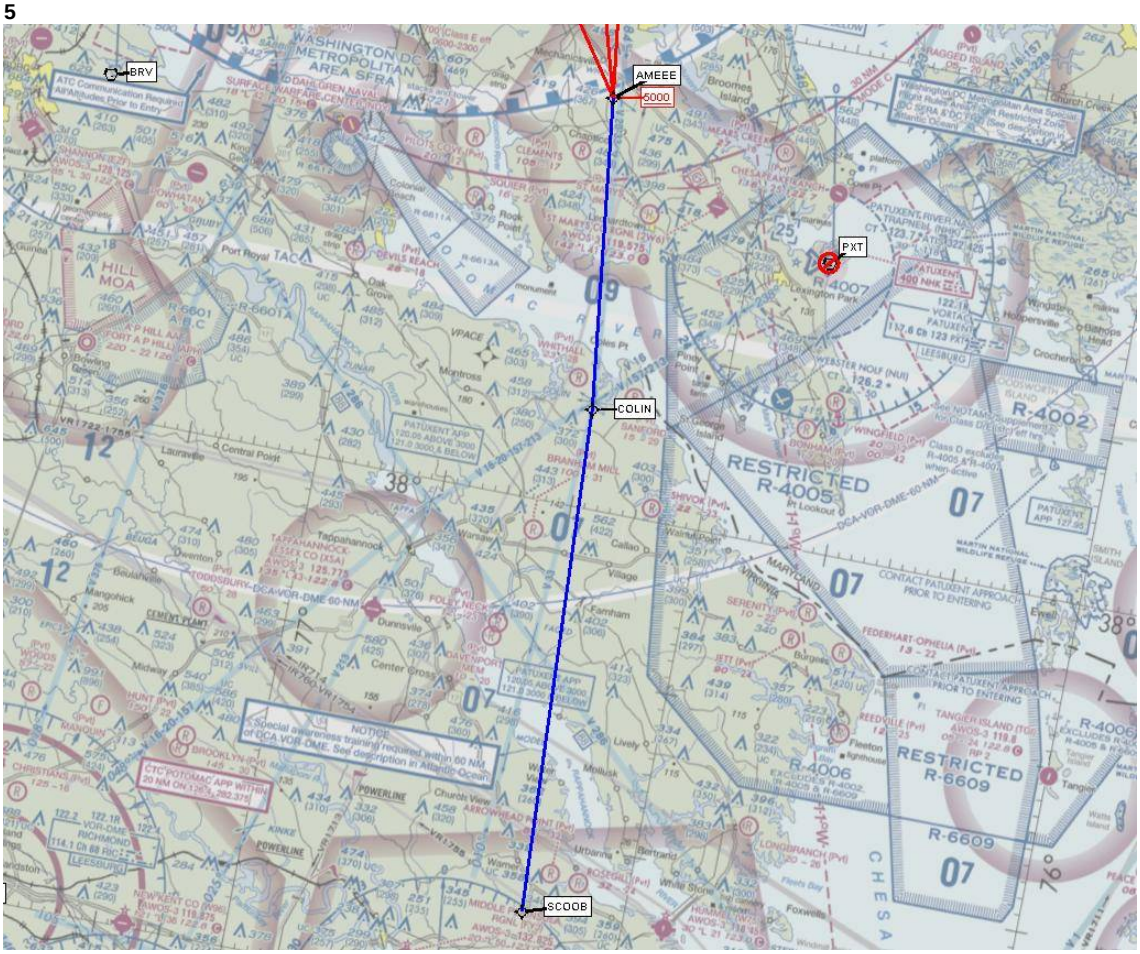
DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE

Graphic Depiction 4



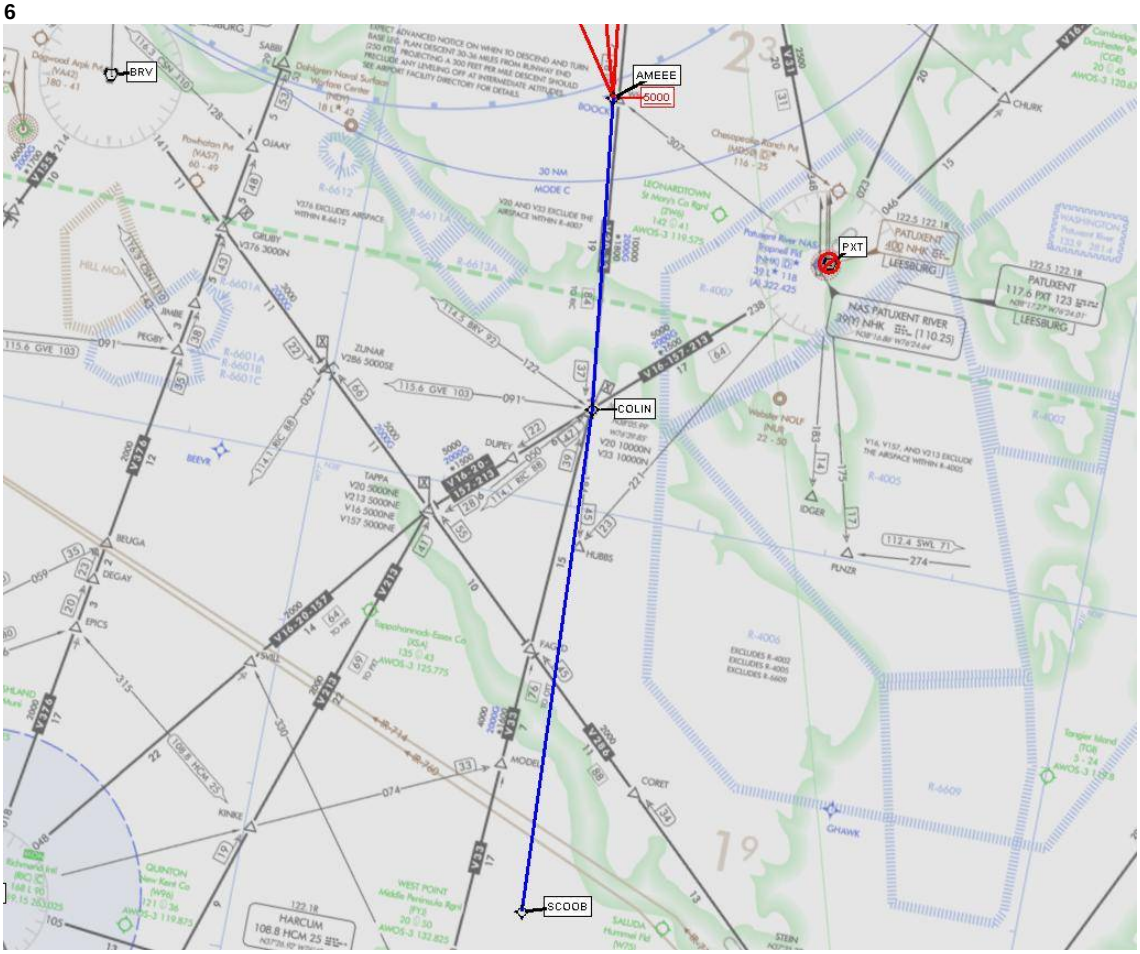
DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE

Graphic Depiction 5



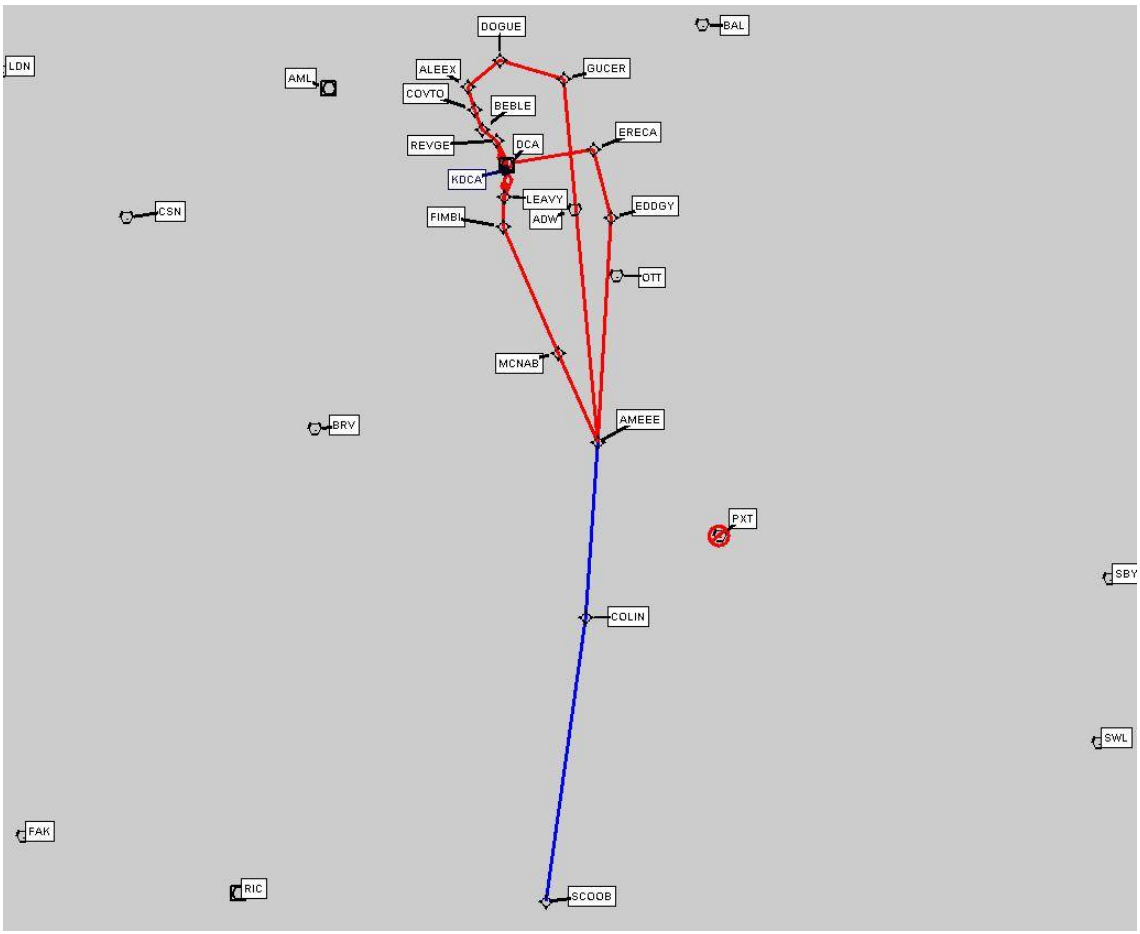
DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE

Graphic Depiction 6



DME DME Assessment Results for AMEEE1 path KDCA:RW15:DER_AMEEE

Graphic Depiction 7



DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Mason
Project File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\AMEEE.tgs
Output File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\KDCA AMEEE DME\KDCA [IFPA] AMEEE1 20191114_0646 EST\KDCA-RW19-DER_FIMBI\KDCA AMEEE1 SID KDCA RW19 FIMBI 20191114_0646 EST.pdf
Procedure Name:	AMEEE1
Software: DmeDmePlugin:	6.0.0
Date/Time:	11/14/2019 06:46 EST
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KDCA:RW19:DER	WP	N38° 50' 29.645500000", W077° 02' 12.294400000"	11.4	VNAV	130	FLY_OVER	TF
FIMBI	WP	N38° 45' 08.900000000", W077° 01' 05.770000000"	1400	VNAV	230	FLY_BY	TF

Climb Gradient:
500.0 ft/NM up to 515.0 ft MSL
200.0 ft/NM

Flyability

Flight Type:	SID
Selected Airport:	KDCA [IFPA]
Climb Gradient:	500.0 ft/NM up to 515.0 ft MSL 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 AMEEE1 path KDCA:RW19:DER_FIMBI

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
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:	PXT

DME/DME (Continued)

DMEs Used

#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OTT	N38° 42' 21.135200000", W076° 44' 41.085400000"	10.0 W	40	L	IFPA	NO	Enabled	56.4 %	63.6 %
2	BAL	N39° 10' 15.828300000", W076° 39' 40.522500000"	11.0 W	40	L	IFPA	NO	Enabled	56.4 %	63.6 %
3	BRV	N38° 20' 10.526400000", W077° 21' 10.315900000"	9.0 W	40	L	IFPA	NO	Enabled	41.4 %	48.8 %
4	PXT	N38° 17' 16.282500000", W076° 24' 00.831500000"	10.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	OTT	BAL				
2.8	BRV	OTT	BAL			

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N38° 50' 27.491810194", W077° 02' 12.077669869"	N38° 48' 32.519354635", W077° 01' 53.026211016"	1.9339

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List
KDCA:RW19:DER	FIMBI	BRV, BAL, OTT

DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI

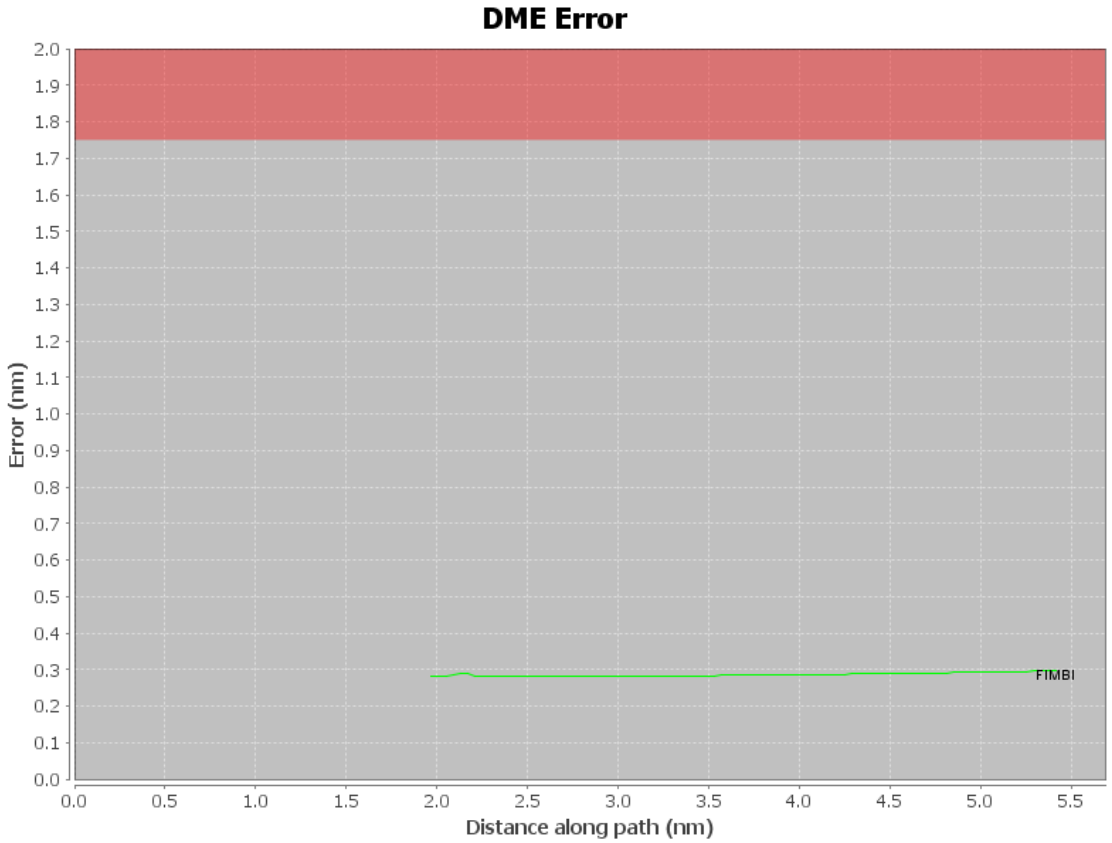
User Data Files

#	File Name
None	

User DMEs

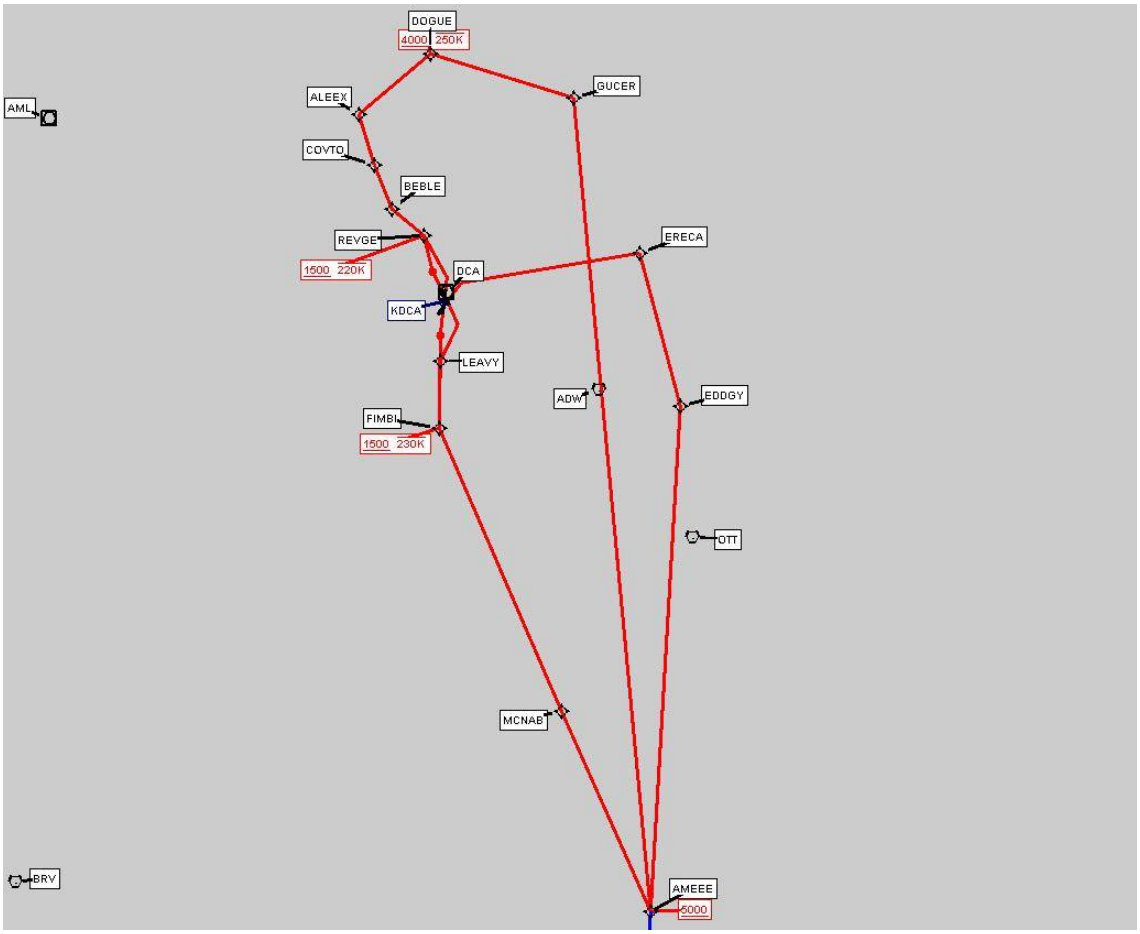
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV SBY [IFPA] SBY [IFPA]	N38° 20' 42.020100000", W075° 30' 38.067400000"	12.0 W	40	52.5	111.2	ESV SBY [IFPA]	
ESV:	Bearing [True]: 253.0° to 268.0° Bearing [Mag]: 265.0° to 280.0°					Arc Distance: Out to 65.0 NM Altitude: 7000.0 to 16000.0 ft		

DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI



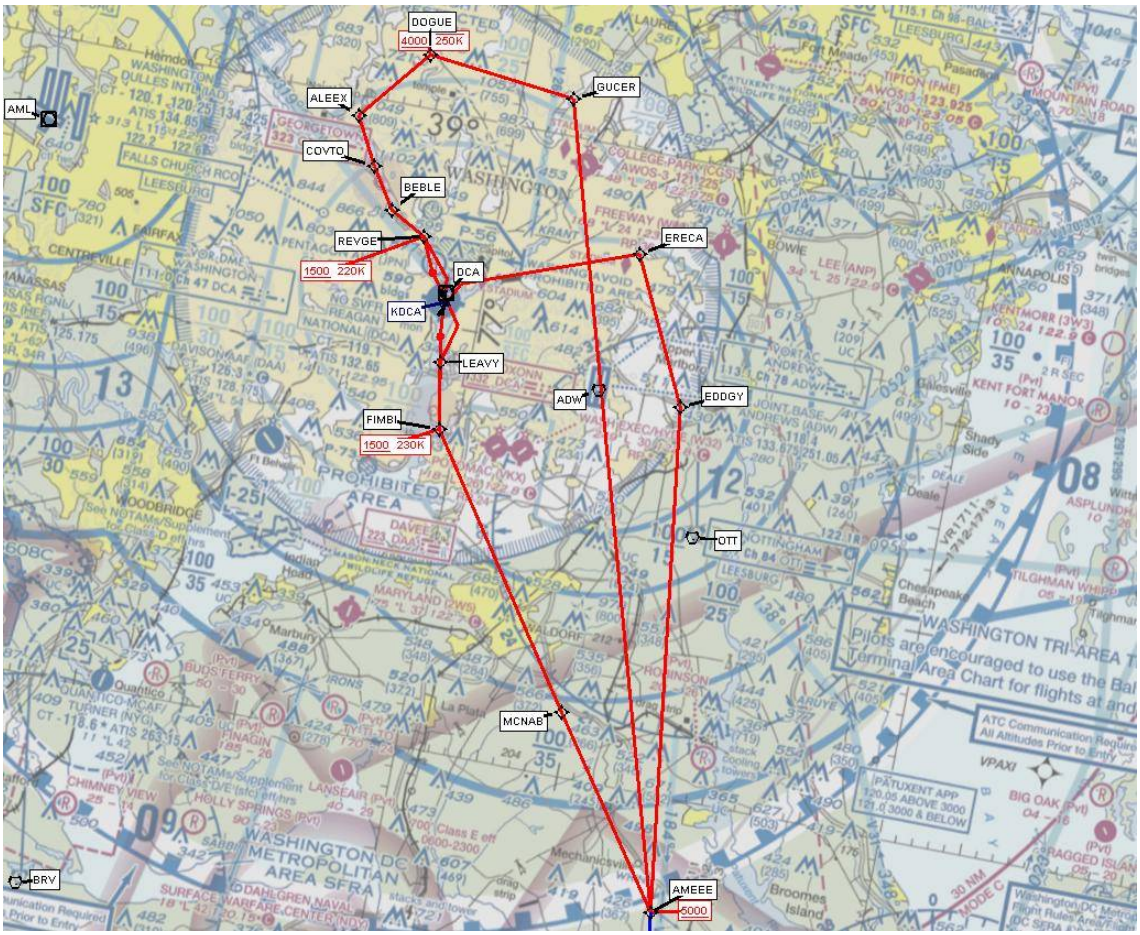
DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI

Graphic Depiction 1



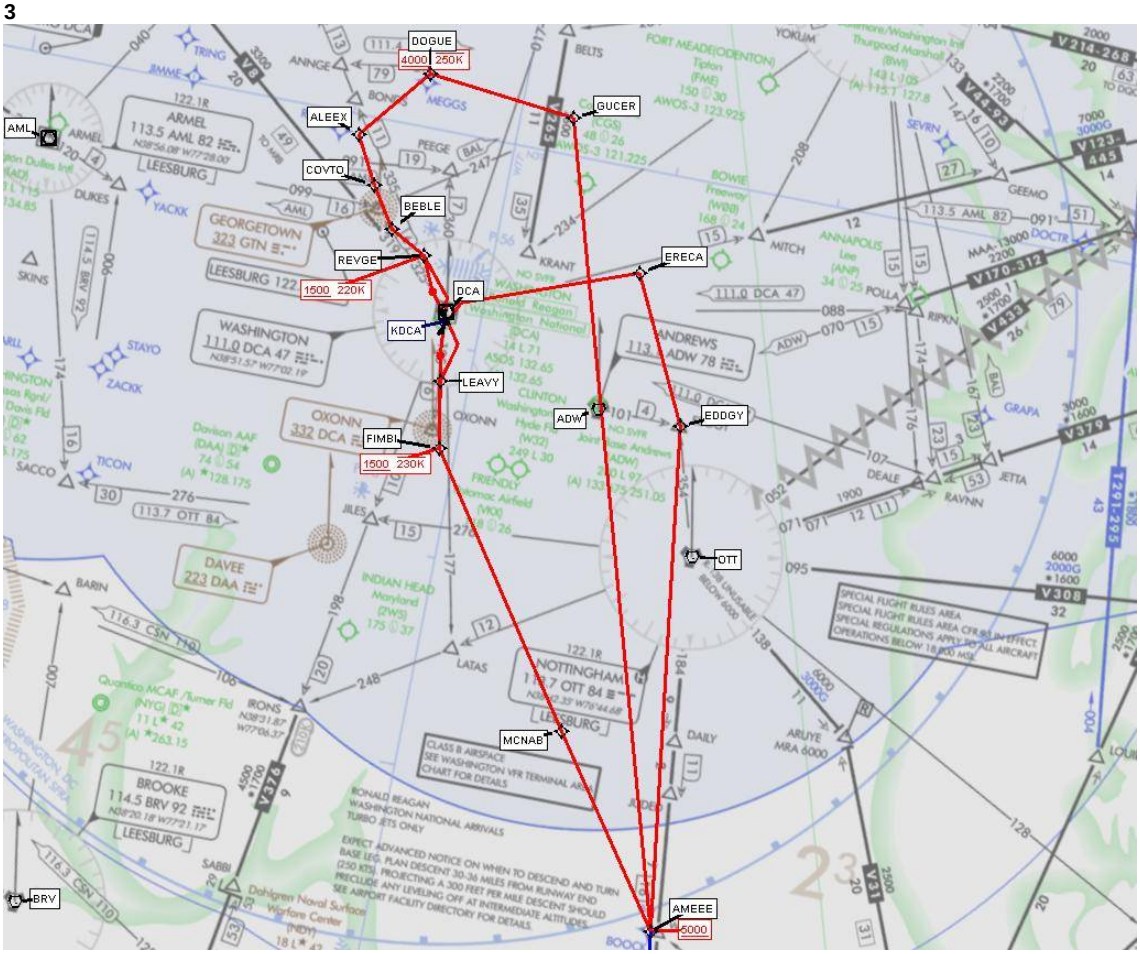
DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI

Graphic Depiction 2



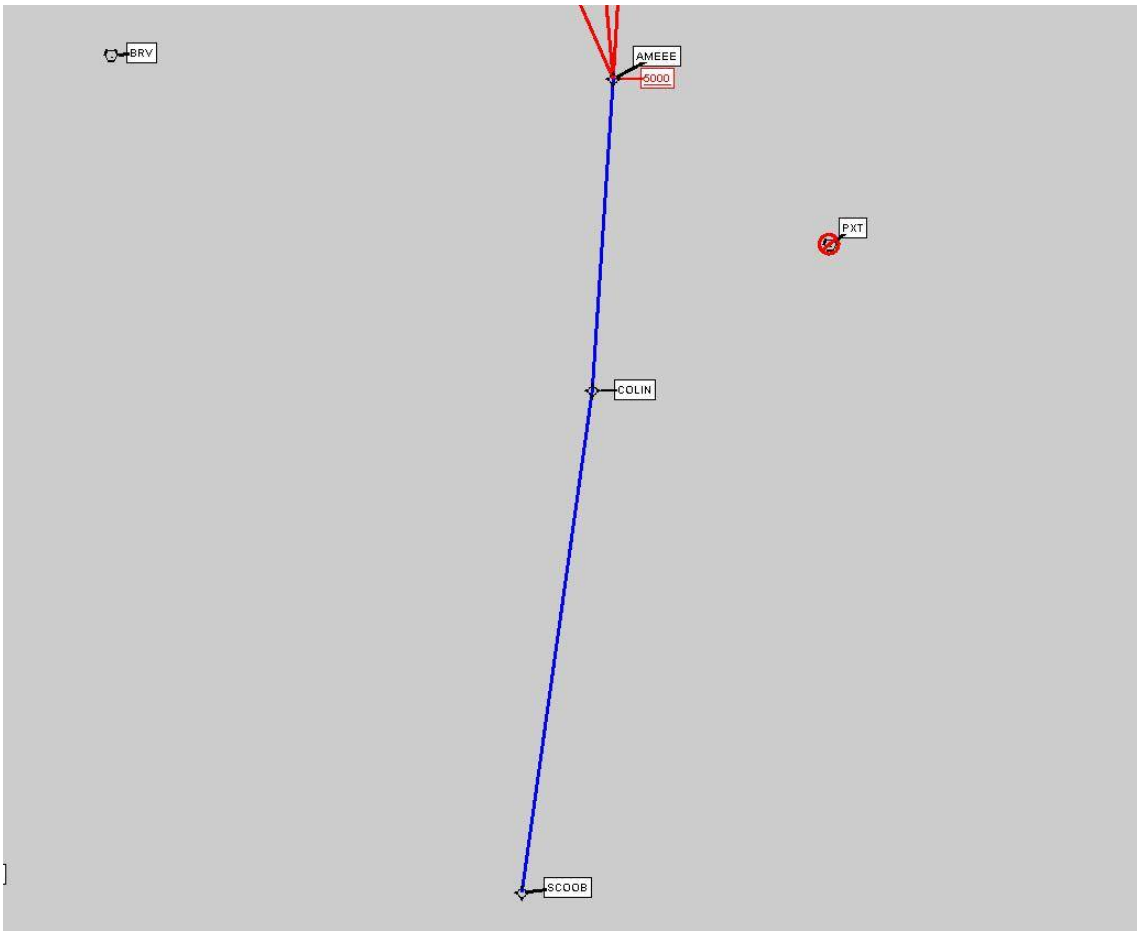
DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI

Graphic Depiction 3



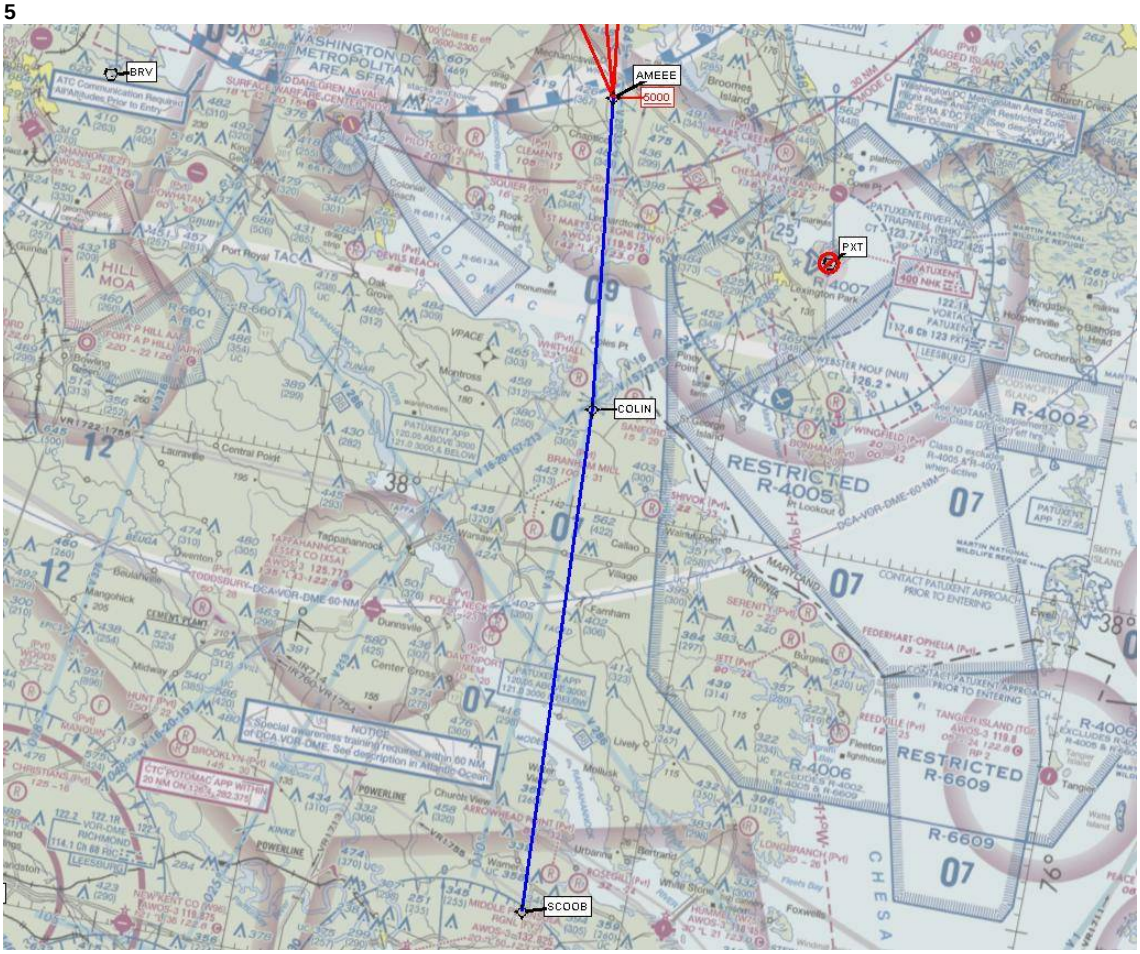
DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI

Graphic Depiction 4



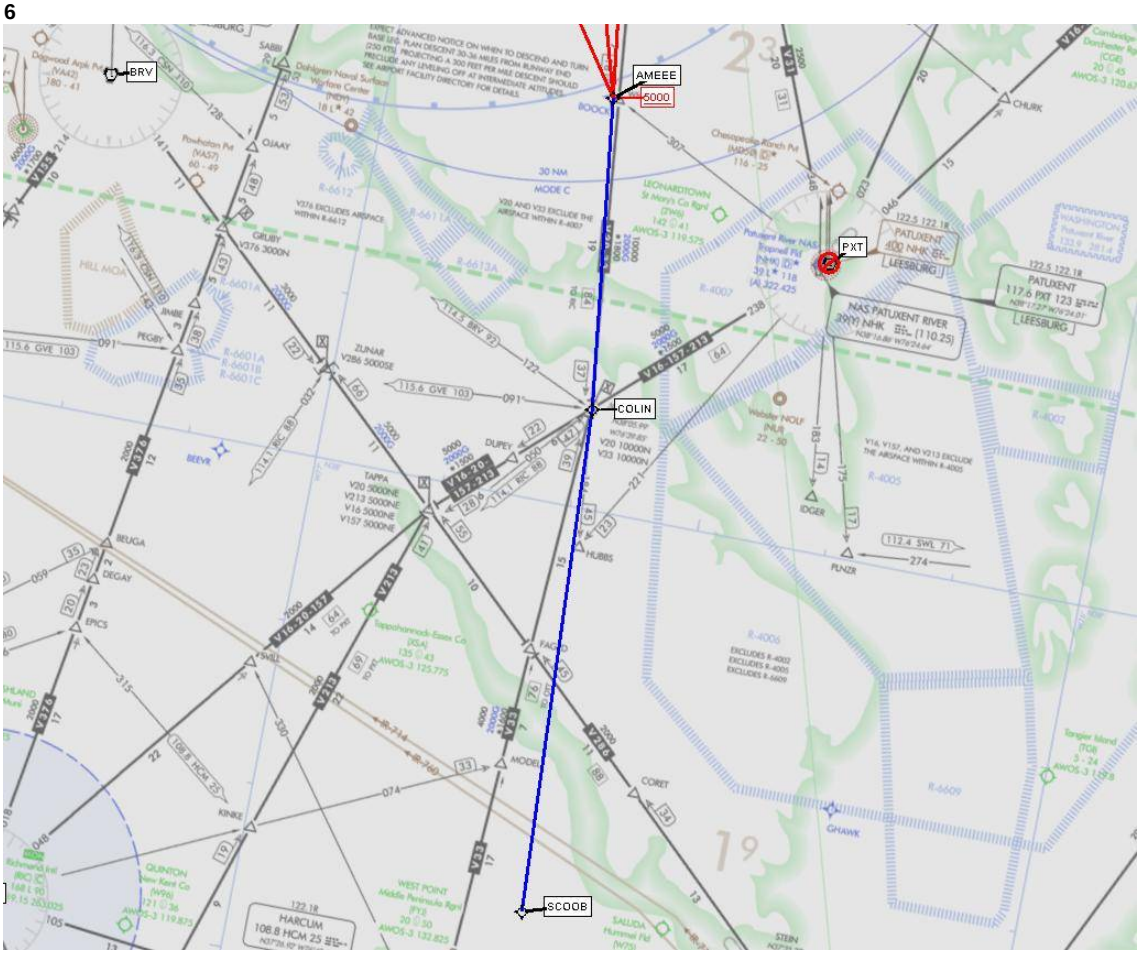
DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI

Graphic Depiction 5



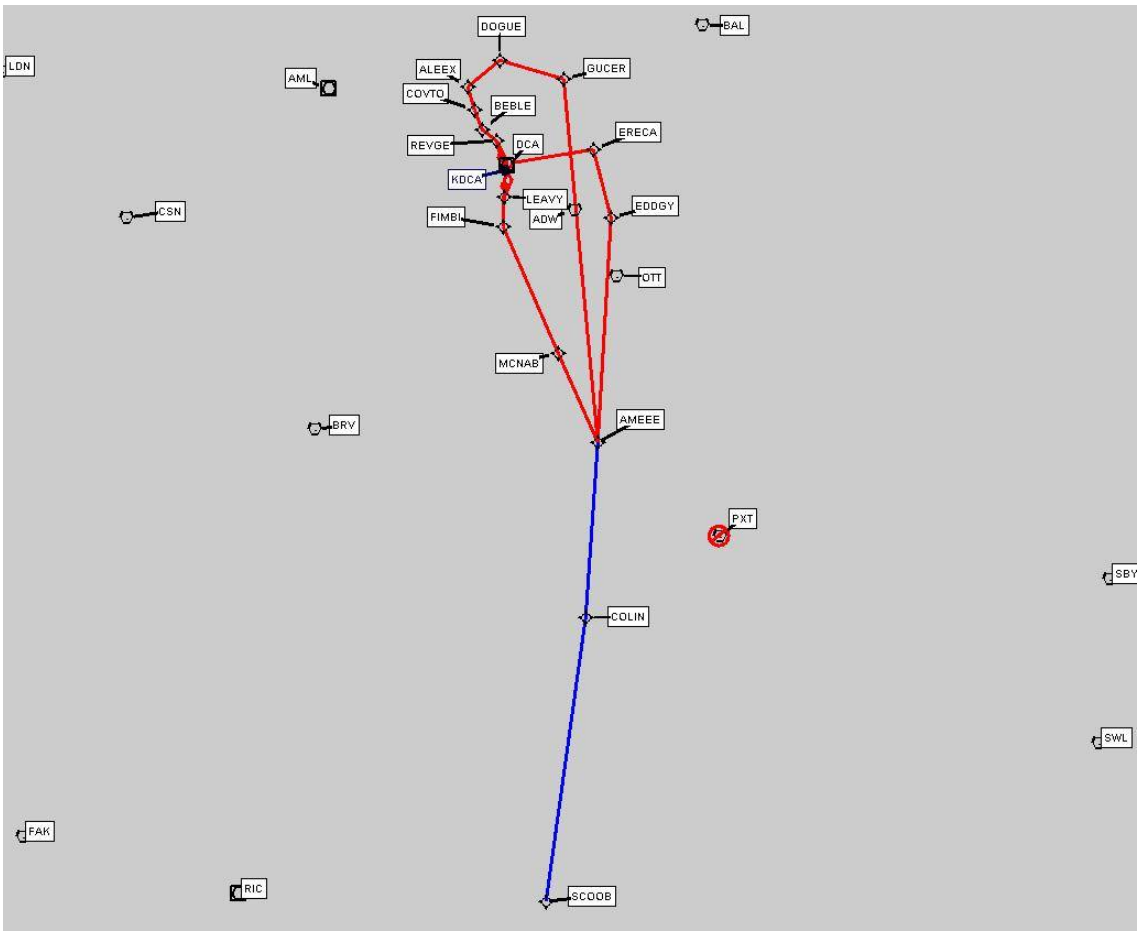
DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI

Graphic Depiction 6



DME DME Assessment Results for AMEEE1 path KDCA:RW19:DER_FIMBI

Graphic Depiction 7



DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Mason
Project File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\AMEEE.tgs
Output File:	C:\Users\Robert CTR Mason\Desktop\DCA SID AMENDMENTS with REVGE\DCA - AMEEE\KDCA AMEEE DME\KDCA [IFPA] AMEEE1 20191114_0646 EST\KDCA-RW33-DER_REVGE\KDCA AMEEE1 SID KDCA RW33 REVGE 20191114_0646 EST.pdf
Procedure Name:	AMEEE1
Software: DmeDmePlugin:	6.0.0
Date/Time:	11/14/2019 06:46 EST
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KDCA:RW33:DER	WP	N38° 51' 40.181200000", W077° 02' 35.869100000"	14	VNAV	130	FLY_OVER	TF
REVGE	WP	N38° 53' 59.460000000", W077° 04' 14.240000000"	1500	VNAV	220	FLY_BY	TF

Climb Gradient:
540.0 ft/NM up to 640.0 ft MSL
200.0 ft/NM

Flyability

Flight Type:	SID
Selected Airport:	KDCA [IFPA]
Climb Gradient:	540.0 ft/NM up to 640.0 ft MSL 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 AMEEE1 path KDCA:RW33:DER_REVGE

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
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:	PXT

DME/DME (Continued)

DMEs Used

#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	BAL	N39° 10' 15.828300000", W076° 39' 40.522500000"	11.0 W	40	L	IFPA	NO	Enabled	5 %	6.1 %
2	ADW	N38° 48' 25.990000000", W076° 51' 58.520000000"	10.0 W	40	L	IFPA	NO	Enabled	5 %	6.1 %
3	PXT	N38° 17' 16.282500000", W076° 24' 00.831500000"	10.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
2.0	BAL	ADW				
2.2						
2.3	BAL	ADW				
2.4						

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N38° 51' 41.884587399", W077° 02' 37.532417743"	N38° 53' 21.235470779", W077° 03' 52.055650586"	1.9297
2	N38° 53' 32.996996501", W077° 03' 58.880900652"	N38° 53' 41.818063733", W077° 04' 04.000248593"	0.1613

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List
KDCA:RW33:DER	REVGE	ADW, BAL

DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE

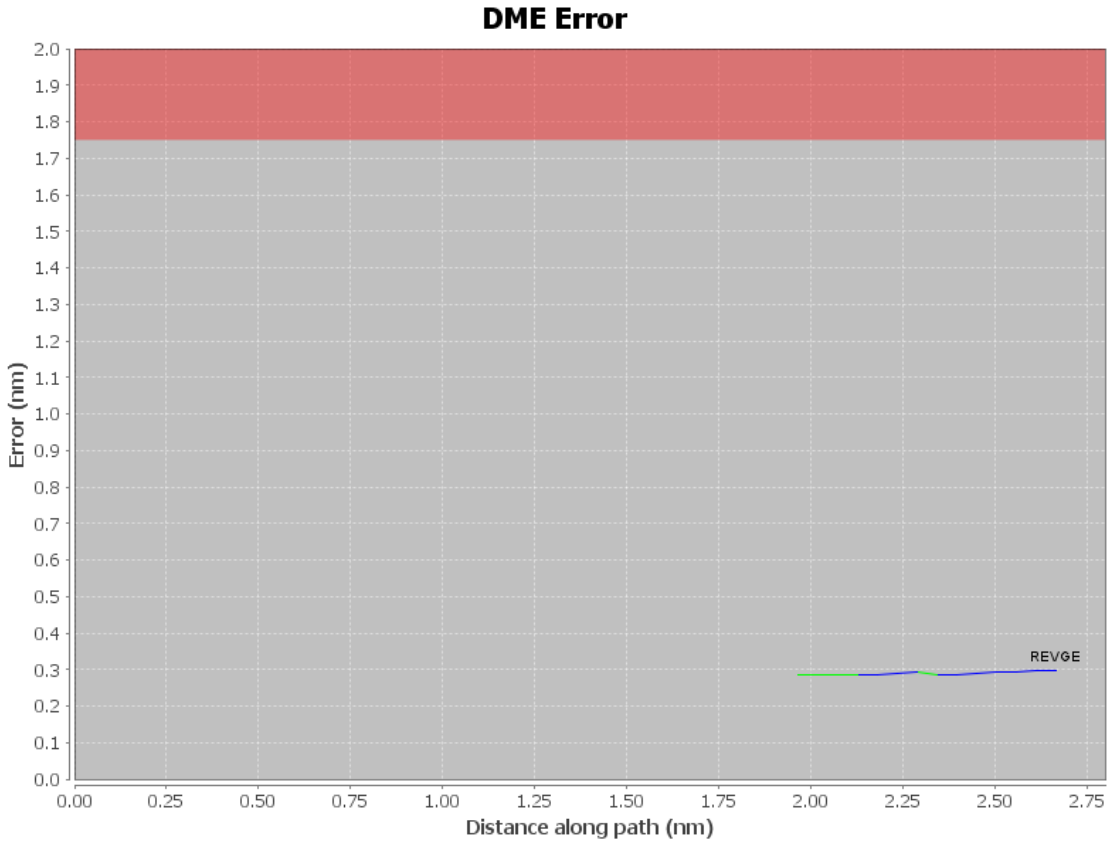
User Data Files

#	File Name
None	

User DMEs

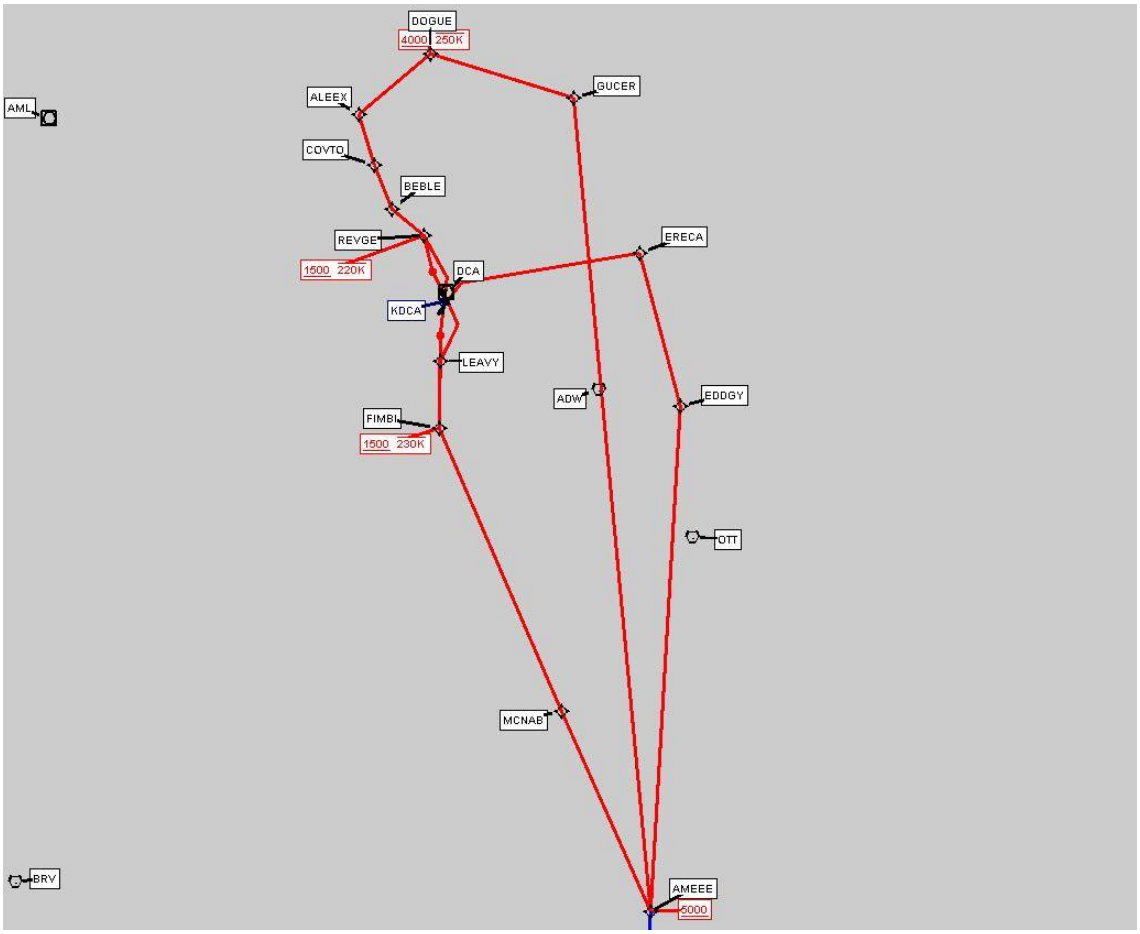
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV SBY [IFPA] SBY [IFPA]	N38° 20' 42.020100000", W075° 30' 38.067400000"	12.0 W	40	52.5	111.2	ESV SBY [IFPA]	
ESV:	Bearing [True]: 253.0° to 268.0° Bearing [Mag]: 265.0° to 280.0°					Arc Distance: Out to 65.0 NM Altitude: 7000.0 to 16000.0 ft		

DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE



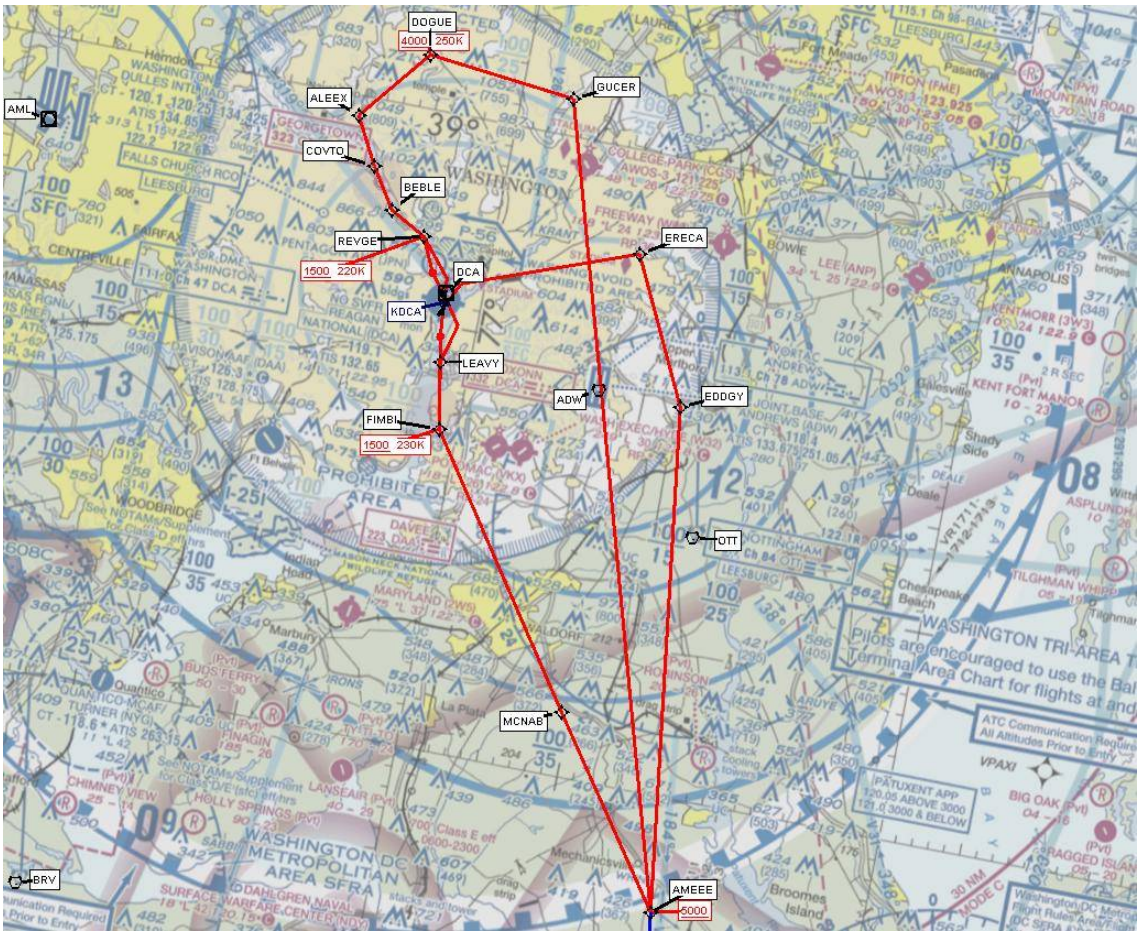
DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE

Graphic Depiction 1



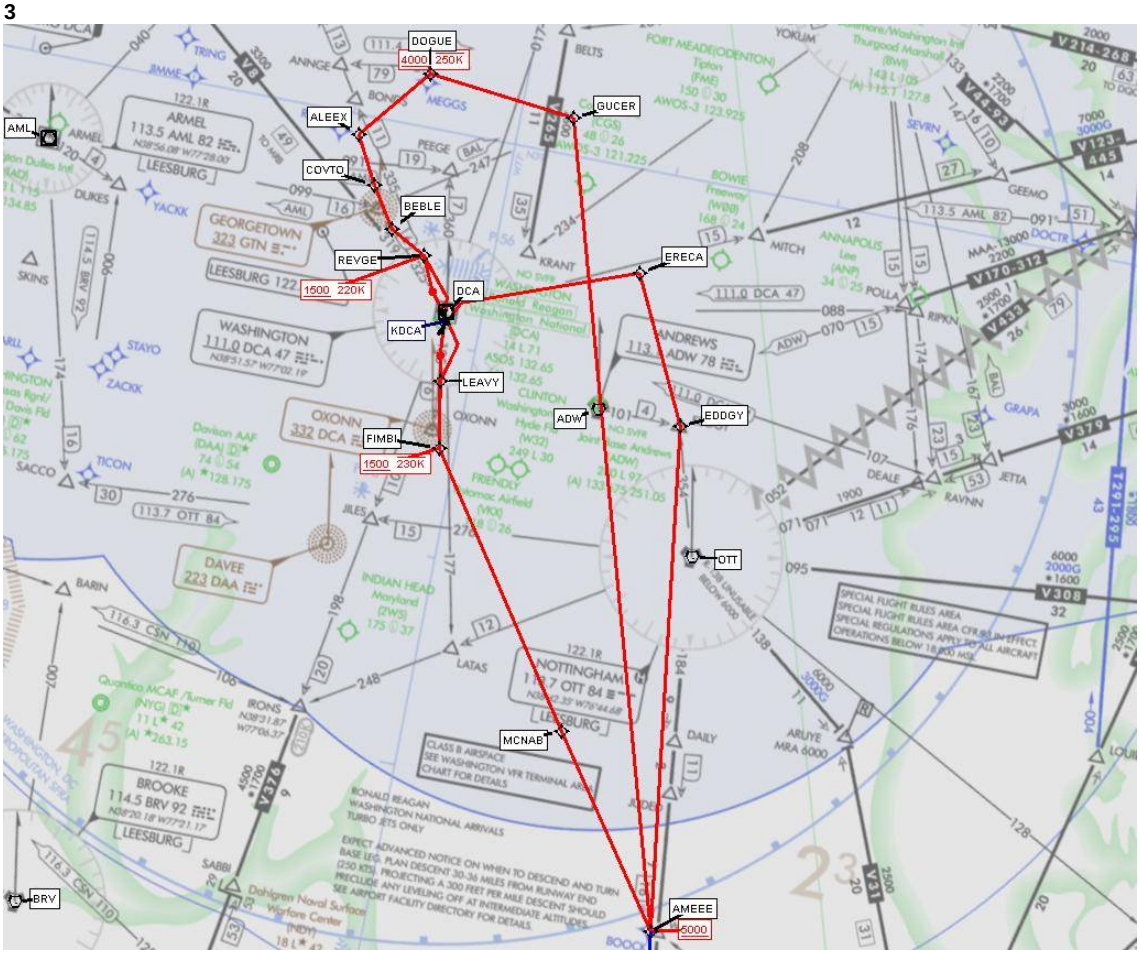
DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE

Graphic Depiction 2



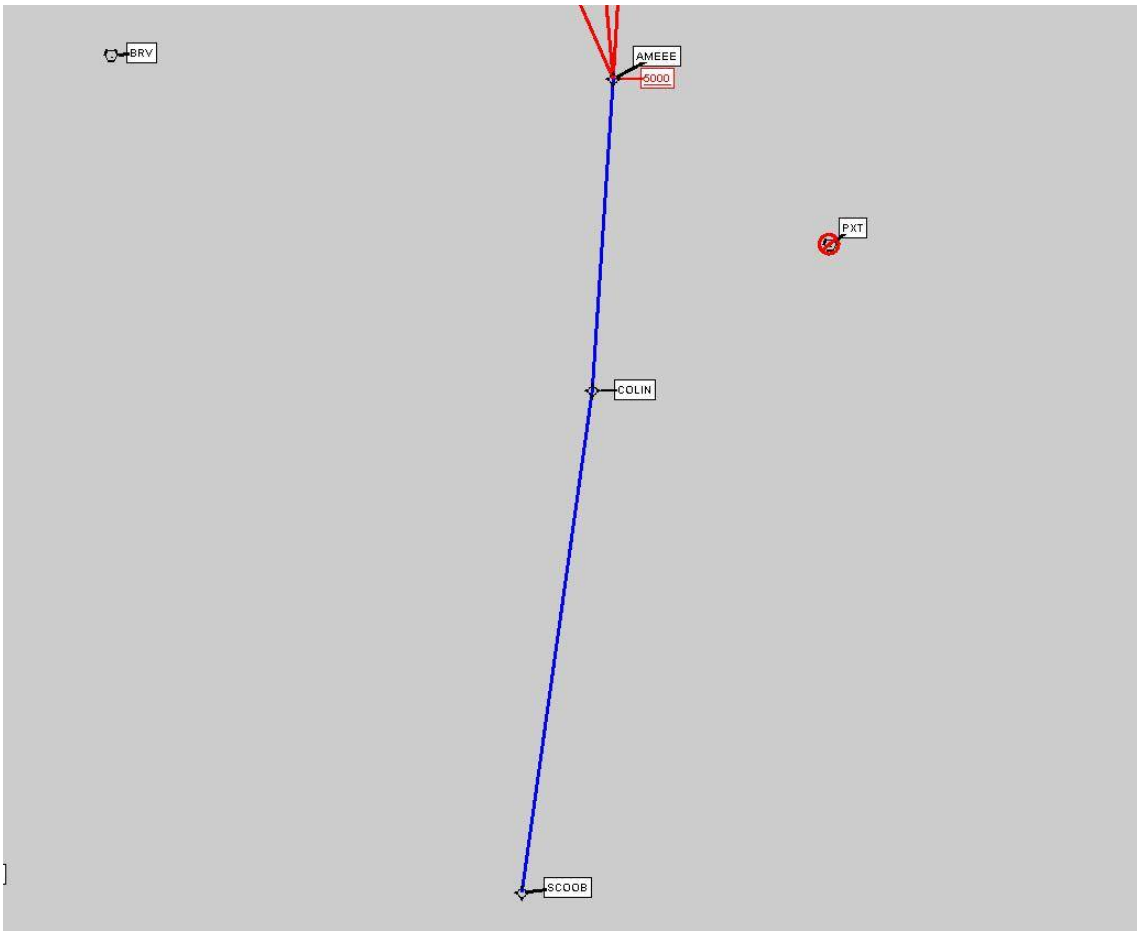
DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE

Graphic Depiction 3



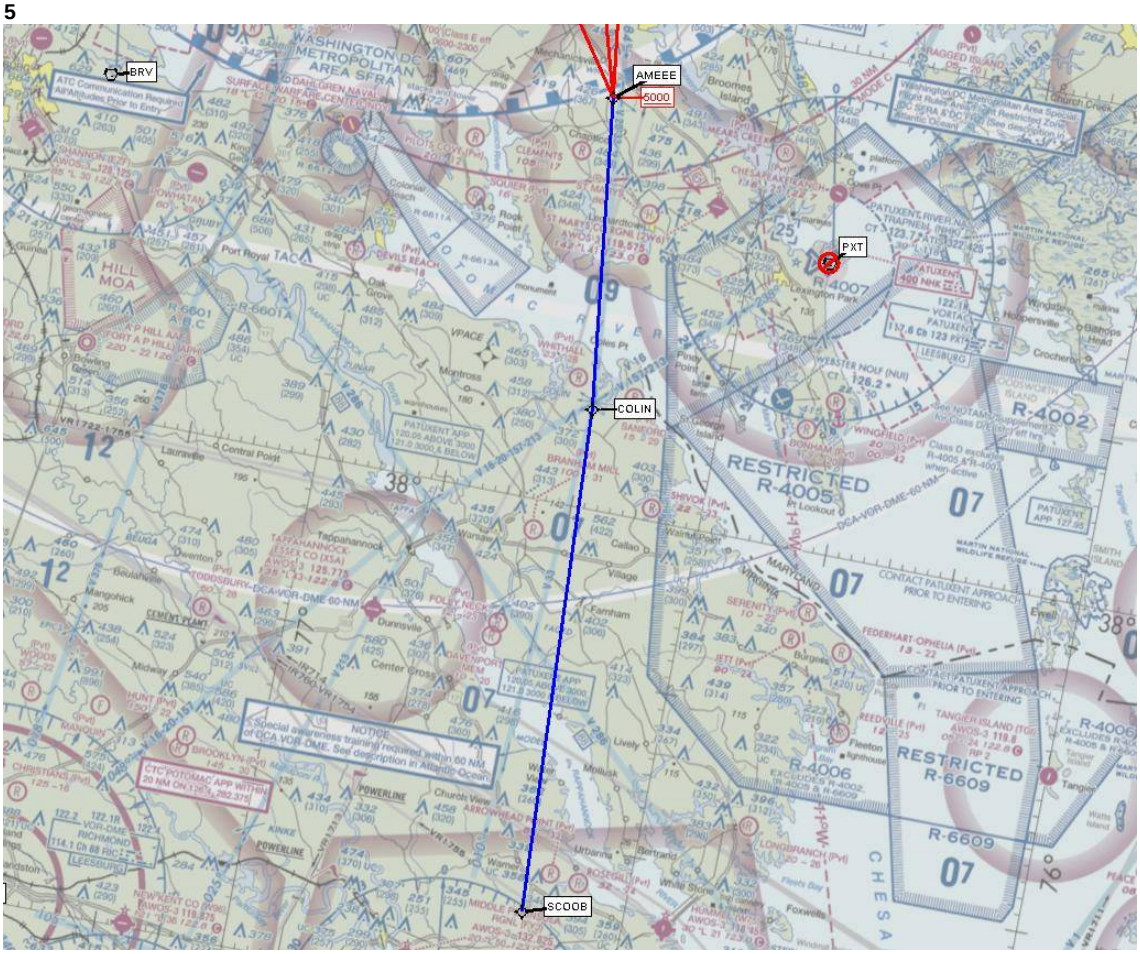
DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE

Graphic Depiction 4



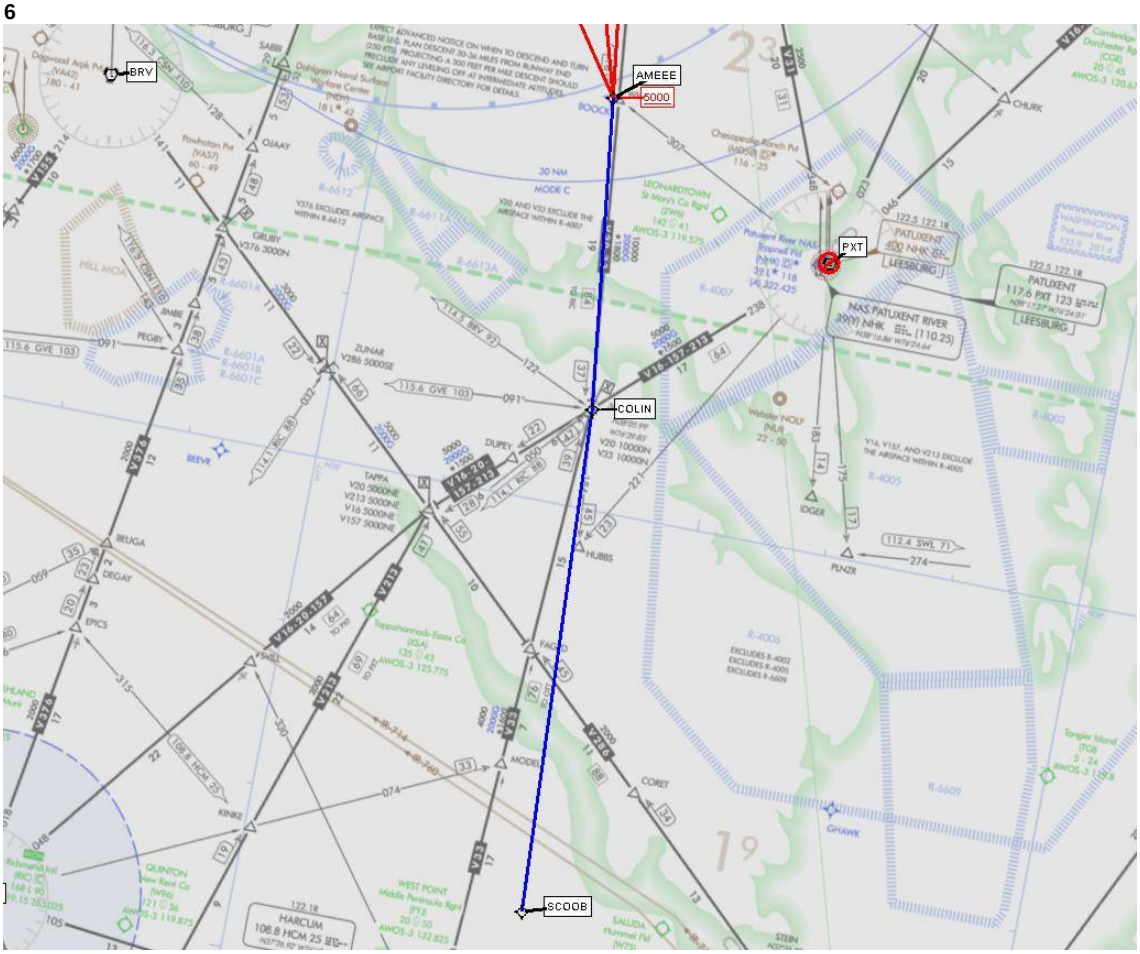
DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE

Graphic Depiction 5



DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE

Graphic Depiction 6



DME DME Assessment Results for AMEEE1 path KDCA:RW33:DER_REVGE

Graphic Depiction 7