

GUERA RNAV

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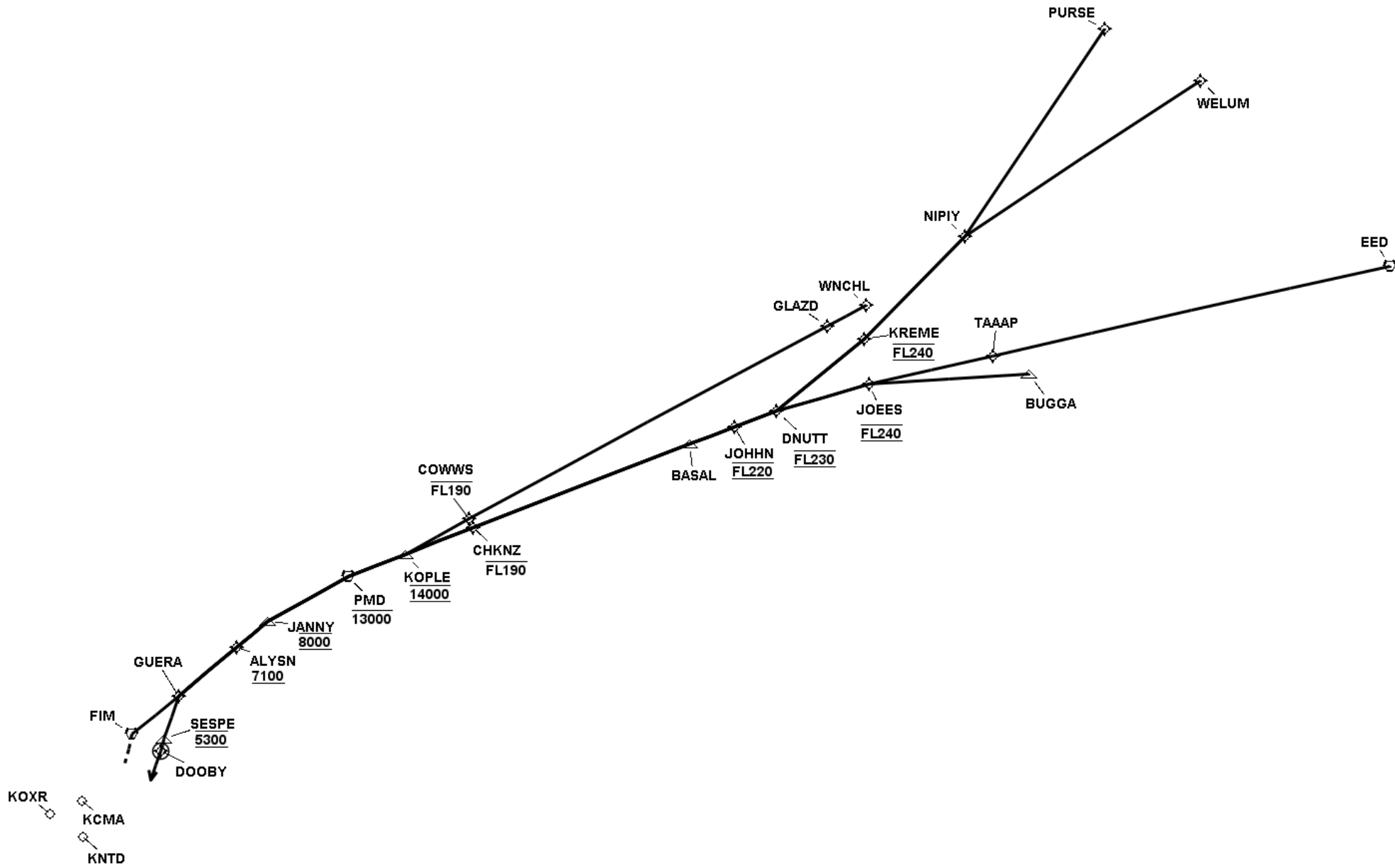
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GUERA RNAV

En Route Transition Data - BUGGA

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
AVNIS	BUGGA WP	N34 43 08.07	W115 43 06.37		IF										
AVNIS	JOEES WP	N34 47 52.87	W116 14 23.89	FB	TF	280.56	266.56	26.21	24000		16000	8400			
AVNIS	DNUTT WP	N34 47 14.62	W116 33 24.02	FB	TF	267.76	253.76	15.66	23000		13000	6600			
	JOHNN WP	N34 46 23.01	W116 42 19.40	FB	TF	263.38	249.38	7.40	22000		13000	7100			
AVNIS	BASAL WP	N34 45 27.99	W116 51 42.59	FB	TF	263.29	249.29	7.79			13000	7800			
	CHKNZ WP	N34 40 44.16	W117 37 22.25	FB	TF	263.07	249.07	37.93	-19000		13000	7800			
AVNIS	KOPLE WP	N34 39 11.90	W117 51 48.90	FB	TF	262.73	248.73	12.01	14000		13000	5900			
AVNIS	PMD VORTAC	N34 37 53.03	W118 03 49.76	FB	TF	262.52	248.52	10.00	-13000		8000	5600			
AVNIS	JANNY WP	N34 33 58.46	W118 21 22.39	FB	TF	255.00	241.00	15.00	8000		8000	7500			
	ALYSN WP	N34 31 07.99	W118 28 32.86	FB	TF	244.46	230.46	6.57	+7100		7100	7100			
	GUERA WP	N34 25 42.71	W118 42 00.13	FB	TF	244.12	230.12	12.37			5900	5900			

En Route Transition Data - EED

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
AVNIS	EED VORTAC	N34 45 57.62	W114 28 26.78		IF										
	TAAAP WP	N34 47 25.45	W115 49 11.26	FB	TF	271.64	257.64	66.53			16000	9000			
AVNIS	JOEES WP	N34 47 52.87	W116 14 23.89	FB	TF	271.38	257.38	20.77	24000		16000	7100			
AVNIS	DNUTT WP	N34 47 14.62	W116 33 24.02	FB	TF	267.76	253.76	15.66	23000		13000	6600			
	JOHNN WP	N34 46 23.01	W116 42 19.40	FB	TF	263.38	249.38	7.40	22000		13000	7100			
AVNIS	BASAL WP	N34 45 27.99	W116 51 42.59	FB	TF	263.29	249.29	7.79			13000	7800			
	CHKNZ WP	N34 40 44.16	W117 37 22.25	FB	TF	263.07	249.07	37.93	-19000		13000	7800			
AVNIS	KOPLE WP	N34 39 11.90	W117 51 48.90	FB	TF	262.73	248.73	12.01	14000		13000	5900			
AVNIS	PMD VORTAC	N34 37 53.03	W118 03 49.76	FB	TF	262.52	248.52	10.00	-13000		8000	5600			
AVNIS	JANNY WP	N34 33 58.46	W118 21 22.39	FB	TF	255.00	241.00	15.00	8000		8000	7500			
	ALYSN WP	N34 31 07.99	W118 28 32.86	FB	TF	244.46	230.46	6.57	+7100		7100	7100			
	GUERA WP	N34 25 42.71	W118 42 00.13	FB	TF	244.12	230.12	12.37			5900	5900			

GUERA RNAV

En Route Transition Data - KREME

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
AVNIS	KREME WP	N34 55 08.52	W116 13 04.66		IF				24000						
AVNIS	DNUTT WP	N34 47 14.62	W116 33 24.02	FB	TF	244.85	230.85	18.49	23000		13000	6800			
	JOHHN WP	N34 46 23.01	W116 42 19.40	FB	TF	263.38	249.38	7.40	22000		13000	7100			
AVNIS	BASAL WP	N34 45 27.99	W116 51 42.59	FB	TF	263.29	249.29	7.79			13000	7800			
	CHKNZ WP	N34 40 44.16	W117 37 22.25	FB	TF	263.07	249.07	37.93	-19000		13000	7800			
AVNIS	KOPLE WP	N34 39 11.90	W117 51 48.90	FB	TF	262.73	248.73	12.01	14000		13000	5900			
AVNIS	PMD VORTAC	N34 37 53.03	W118 03 49.76	FB	TF	262.52	248.52	10.00	-13000		8000	5600			
AVNIS	JANNY WP	N34 33 58.46	W118 21 22.39	FB	TF	255.00	241.00	15.00	8000		8000	7500			
	ALYSN WP	N34 31 07.99	W118 28 32.86	FB	TF	244.46	230.46	6.57	+7100		7100	7100			
	GUERA WP	N34 25 42.71	W118 42 00.13	FB	TF	244.12	230.12	12.37			5900	5900			

En Route Transition Data - PURSE

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
AVNIS	PURSE WP	N35 34 54.00	W115 11 53.00		IF										
AVNIS	NIPIY WP	N35 07 33.00	W115 48 42.00	FB	TF	227.98	213.98	40.65			16000	9300			
AVNIS	KREME WP	N34 55 08.52	W116 13 04.66	FB	TF	238.37	224.37	23.54	24000		13000	6800			
AVNIS	DNUTT WP	N34 47 14.62	W116 33 24.02	FB	TF	244.85	230.85	18.49	23000		13000	6800			
	JOHHN WP	N34 46 23.01	W116 42 19.40	FB	TF	263.38	249.38	7.40	22000		13000	7100			
AVNIS	BASAL WP	N34 45 27.99	W116 51 42.59	FB	TF	263.29	249.29	7.79			13000	7800			
	CHKNZ WP	N34 40 44.16	W117 37 22.25	FB	TF	263.07	249.07	37.93	-19000		13000	7800			
AVNIS	KOPLE WP	N34 39 11.90	W117 51 48.90	FB	TF	262.73	248.73	12.01	14000		13000	5900			
AVNIS	PMD VORTAC	N34 37 53.03	W118 03 49.76	FB	TF	262.52	248.52	10.00	-13000		8000	5600			
AVNIS	JANNY WP	N34 33 58.46	W118 21 22.39	FB	TF	255.00	241.00	15.00	8000		8000	7500			
	ALYSN WP	N34 31 07.99	W118 28 32.86	FB	TF	244.46	230.46	6.57	+7100		7100	7100			
	GUERA WP	N34 25 42.71	W118 42 00.13	FB	TF	244.12	230.12	12.37			5900	5900			

GUERA RNAV

En Route Transition Data - WELUM

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
AVNIS	WELUM WP	N35 22 56.00	W114 55 59.00		IF										
AVNIS	NIPIY WP	N35 07 33.00	W115 48 42.00	FB	TF	250.67	236.67	45.82			16000	9800			
AVNIS	KREME WP	N34 55 08.52	W116 13 04.66	FB	TF	238.37	224.37	23.54	24000		13000	6800			
AVNIS	DNUTT WP	N34 47 14.62	W116 33 24.02	FB	TF	244.85	230.85	18.49	23000		13000	6800			
	JOHHN WP	N34 46 23.01	W116 42 19.40	FB	TF	263.38	249.38	7.40	22000		13000	7100			
AVNIS	BASAL WP	N34 45 27.99	W116 51 42.59	FB	TF	263.29	249.29	7.79			13000	7800			
	CHKNZ WP	N34 40 44.16	W117 37 22.25	FB	TF	263.07	249.07	37.93	-19000		13000	7800			
AVNIS	KOPLE WP	N34 39 11.90	W117 51 48.90	FB	TF	262.73	248.73	12.01	14000		13000	5900			
AVNIS	PMD VORTAC	N34 37 53.03	W118 03 49.76	FB	TF	262.52	248.52	10.00	-13000		8000	5600			
AVNIS	JANNY WP	N34 33 58.46	W118 21 22.39	FB	TF	255.00	241.00	15.00	8000		8000	7500			
	ALYSN WP	N34 31 07.99	W118 28 32.86	FB	TF	244.46	230.46	6.57	+7100		7100	7100			
	GUERA WP	N34 25 42.71	W118 42 00.13	FB	TF	244.12	230.12	12.37			5900	5900			

En Route Transition Data - WNCHL

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
AVNIS	WNCHL WP	N35 00 25.46	W116 11 01.54		IF										
AVNIS	GLAZD WP	N34 58 38.38	W116 19 41.87	FB	TF	256.00	242.00	7.34			13000	5900			
	COWWS WP	N34 42 15.26	W117 37 43.56	FB	TF	256.08	242.08	66.28	-19000		13000	6400			
AVNIS	KOPLE WP	N34 39 11.90	W117 51 48.90	FB	TF	255.35	241.35	12.01	14000		13000	5900			
AVNIS	PMD VORTAC	N34 37 53.03	W118 03 49.76	FB	TF	262.52	248.52	10.00	-13000		8000	5600			
AVNIS	JANNY WP	N34 33 58.46	W118 21 22.39	FB	TF	255.00	241.00	15.00	8000		8000	7500			
	ALYSN WP	N34 31 07.99	W118 28 32.86	FB	TF	244.46	230.46	6.57	+7100		7100	7100			
	GUERA WP	N34 25 42.71	W118 42 00.13	FB	TF	244.12	230.12	12.37			5900	5900			

Common Route Data - KCMA/KOXR GUERA

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	GUERA WP	N34 25 42.71	W118 42 00.13		IF										
AVNIS	SESPE WP	N34 19 23.19	W118 46 57.44	FB	TF	213.03	199.03	7.53	5300		5300	5300			
	DOOBY WP	N34 17 40.97	W118 48 13.67	FO	TF	211.76	197.76	2.00			4600	4600			
	DOOBY WP	N34 17 40.97	W118 48 13.67		FM	211.76	197.76								

GUERA RNAV

Runway Transition Data - KNTD:RW21

DB	End Point	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")	FO/FB	Leg	TC	MC	Distance	Altitude	Speed	MEA	MOCA	Arc Center Lat (D° M' S.ss")	Arc Center Lon (D° M' S.ss")	Arc Radius (NM)
	GUERA WP	N34 25 42.71	W118 42 00.13		IF										
AVNIS	FIM VORTAC	N34 21 24.10	W118 52 52.65	FB	TF	244.50	230.50	9.98			5100	5100			

Waypoint Data

DB	Waypoint	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")
	ALYSN WP		343107.99N-1182832.86W	N 34.5188868	W 118.4757942	N34 31.133	W118 28.548	N34 31 07.99	W118 28 32.86
AVNIS	BASAL WP		344527.99N-1165142.59W	N 34.7577750	W 116.8618306	N34 45.467	W116 51.710	N34 45 27.99	W116 51 42.59
AVNIS	BUGGA WP		344308.07N-1154306.37W	N 34.7189083	W 115.7184361	N34 43.135	W115 43.106	N34 43 08.07	W115 43 06.37
	CHKNZ WP		344044.16N-1173722.25W	N 34.6789333	W 117.6228472	N34 40.736	W117 37.371	N34 40 44.16	W117 37 22.25
	COWWS WP		344215.26N-1173743.56W	N 34.7042394	W 117.6287661	N34 42.254	W117 37.726	N34 42 15.26	W117 37 43.56
AVNIS	DNUTT WP		344714.62N-1163324.02W	N 34.7873944	W 116.5566722	N34 47.244	W116 33.400	N34 47 14.62	W116 33 24.02
	DOOBY WP		341740.97N-1184813.67W	N 34.2947141	W 118.8037966	N34 17.683	W118 48.228	N34 17 40.97	W118 48 13.67
AVNIS	EED VORTAC		344557.62N-1142826.78W	N 34.7660056	W 114.4741056	N34 45.960	W114 28.446	N34 45 57.62	W114 28 26.78
AVNIS	FIM VORTAC		342124.10N-1185252.65W	N 34.3566944	W 118.8812917	N34 21.402	W118 52.877	N34 21 24.10	W118 52 52.65
AVNIS	GLAZD WP		345838.38N-1161941.87W	N 34.9773278	W 116.3282972	N34 58.640	W116 19.698	N34 58 38.38	W116 19 41.87
	GUERA WP		342542.71N-1184200.13W	N 34.4285294	W 118.7000348	N34 25.712	W118 42.002	N34 25 42.71	W118 42 00.13
AVNIS	JANNY WP		343358.46N-1182122.39W	N 34.5662389	W 118.3562194	N34 33.974	W118 21.373	N34 33 58.46	W118 21 22.39
AVNIS	JOEES WP		344752.87N-1161423.89W	N 34.7980194	W 116.2399694	N34 47.881	W116 14.398	N34 47 52.87	W116 14 23.89
	JOHNN WP		344623.01N-1164219.40W	N 34.7730583	W 116.7053889	N34 46.383	W116 42.323	N34 46 23.01	W116 42 19.40
AVNIS	KOPLE WP		343911.90N-1175148.90W	N 34.6533056	W 117.8635833	N34 39.198	W117 51.815	N34 39 11.90	W117 51 48.90
AVNIS	KREME WP		345508.52N-1161304.66W	N 34.9190333	W 116.2179611	N34 55.142	W116 13.078	N34 55 08.52	W116 13 04.66
AVNIS	NIPIY WP		350733.00N-1154842.00W	N 35.1258333	W 115.8116667	N35 07.550	W115 48.700	N35 07 33.00	W115 48 42.00
AVNIS	PMD VORTAC		343753.03N-1180349.76W	N 34.6313972	W 118.0638222	N34 37.884	W118 03.829	N34 37 53.03	W118 03 49.76
AVNIS	PURSE WP		353454.00N-1151153.00W	N 35.5816667	W 115.1980556	N35 34.900	W115 11.883	N35 34 54.00	W115 11 53.00
AVNIS	RAL VOR		335718.65N-1172659.38W	N 33.9551806	W 117.4498278	N33 57.311	W117 26.990	N33 57 18.65	W117 26 59.38
AVNIS	SESPE WP		341923.19N-1184657.44W	N 34.3231083	W 118.7826222	N34 19.387	W118 46.957	N34 19 23.19	W118 46 57.44
	TAAAP WP		344725.45N-1154911.26W	N 34.7904019	W 115.8197957	N34 47.424	W115 49.188	N34 47 25.45	W115 49 11.26
AVNIS	WELUM WP		352256.00N-1145559.00W	N 35.3822222	W 114.9330556	N35 22.933	W114 55.983	N35 22 56.00	W114 55 59.00
AVNIS	WNCHL WP		350025.46N-1161101.54W	N 35.0070722	W 116.1837611	N35 00.424	W116 11.026	N35 00 25.46	W116 11 01.54

RS Results GUERA RNAV

Last Evaluation: 11-Apr-2016 13:17:53
Reference Software Version: 1.5.3

GUERA RNAV

Route Evaluation for BUGGA:KNTD:RW21

BUGGA:KNTD:RW21 Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	BUGGA						0.0	0.0
TF	JOEES	FLY_BY	24000.0			12.5	26.21	5.05
TF	DNUTT	FLY_BY	23000.0			4.2	15.66	5.05
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	1.0
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLE	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				0.51	12.37	1.0
TF	FIM	FLY_BY				35.21	9.98	1.62

BUGGA:KNTD:RW21 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
IF	BUGGA				0.0	0.0							0.0	0.0				
TF	JOEES	FLY_BY	0.0		30553.6	300.0	0.0	107.0	512.0	570.0	5.05	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	DNUTT	FLY_BY	5.05	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	1.63	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHHN	FLY_BY	1.63	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLE	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0
TF	FIM	FLY_BY	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0	1.62	5.12	5100.0	250.0	17.6	57.0	277.0	334.0

GUERA RNAV

BUGGA:KNTD:RW21 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
BUGGA	JOEES	TerrainPt_43_BUGGA:KNTD:RW21_BUGGA:JOEES		4E (+-250/+125)	N34° 47' 36.00"	W115° 41' 45.00"	6755.25	true	S	1353.14		8309	8308.39	11-Apr-2016 13:18:31
JOEES	DNUTT	TerrainPt_22_BUGGA:KNTD:RW21_JOEES:DNUTT		4E (+-250/+125)	N34° 43' 18.00"	W116° 35' 21.00"	4317.59	true	P	2000.0		6518	6517.59	11-Apr-2016 13:18:31
DNUTT	JOHHN	TerrainPt_31_BUGGA:KNTD:RW21_DNUTT:JOHHN		4E (+-250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:18:31
JOHHN	BASAL	TerrainPt_38_BUGGA:KNTD:RW21_JOHHN:BASAL		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
BASAL	CHKNZ	TerrainPt_44_BUGGA:KNTD:RW21_BASAL:CHKNZ		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
CHKNZ	KOPLE	TerrainPt_31_BUGGA:KNTD:RW21_CHKNZ:KOPLE		4E (+-250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:18:31
KOPLE	PMD	TerrainPt_15_BUGGA:KNTD:RW21_KOPLE:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:18:31
PMD	JANNY	TerrainPt_25_BUGGA:KNTD:RW21_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:18:31
JANNY	ALYSN	TerrainPt_7_BUGGA:KNTD:RW21_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:18:31
ALYSN	GUERA	TerrainPt_46_BUGGA:KNTD:RW21_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:18:31
GUERA	FIM	TerrainPt_18_BUGGA:KNTD:RW21_GUERA:FIM		4E (+-250/+125)	N34° 21' 54.00"	W118° 46' 45.00"	2890.42	true	P	2000.0		5091	5090.42	11-Apr-2016 13:18:31

BUGGA:KNTD:RW21 Criteria Failures

No failures.

Route Evaluation for EED:KNTD:RW21

EED:KNTD:RW21 Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	EED						0.0	0.0
TF	TAAAP	FLY_BY				0.5	66.53	1.0
TF	JOEES	FLY_BY	24000.0			3.38	20.77	1.0
TF	DNUTT	FLY_BY	23000.0			4.2	15.66	1.0
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	1.0
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLE	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				0.51	12.37	1.0
TF	FIM	FLY_BY				35.21	9.98	1.62

EED:KNTD:RW21 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
IF	EED				0.0	0.0							0.0	0.0				
TF	TAAAP	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.24	54.11	29191.95	300.0	5.0	105.0	499.0	570.0
TF	JOEES	FLY_BY	0.24	54.11	29191.95	300.0	5.0	105.0	499.0	570.0	1.36	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	DNUTT	FLY_BY	1.36	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	1.63	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHHN	FLY_BY	1.63	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLE	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0
TF	FIM	FLY_BY	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0	1.62	5.12	5100.0	250.0	17.6	57.0	277.0	334.0

GUERA RNAV

EED:KNTD:RW21 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
EED	TAAAP	TerrainPt_38_EED:KNTD:RW21_EED:TAAAP		4E (+-250/+125)	N34° 47' 36.00"	W115° 41' 45.00"	6755.25	true	P	2000.0		8956	8955.25	11-Apr-2016 13:18:31
TAAAP	JOEES	TerrainPt_0_EED:KNTD:RW21_TAAAP:JOEES		4E (+-250/+125)	N34° 48' 30.00"	W115° 46' 48.00"	4878.61	true	P	2000.0		7079	7078.61	11-Apr-2016 13:18:31
JOEES	DNUTT	TerrainPt_22_BUGGA:KNTD:RW21_JOEES:DNUTT		4E (+-250/+125)	N34° 43' 18.00"	W116° 35' 21.00"	4317.59	true	P	2000.0		6518	6517.59	11-Apr-2016 13:18:31
DNUTT	JOHNN	TerrainPt_31_BUGGA:KNTD:RW21_DNUTT:JOHNN		4E (+-250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:18:31
JOHNN	BASAL	TerrainPt_38_BUGGA:KNTD:RW21_JOHNN:BASAL		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
BASAL	CHKNZ	TerrainPt_44_BUGGA:KNTD:RW21_BASAL:CHKNZ		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
CHKNZ	KOPLK	TerrainPt_31_BUGGA:KNTD:RW21_CHKNZ:KOPLK		4E (+-250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:18:31
KOPLK	PMD	TerrainPt_15_BUGGA:KNTD:RW21_KOPLK:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:18:31
PMD	JANNY	TerrainPt_25_BUGGA:KNTD:RW21_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:18:31
JANNY	ALYSN	TerrainPt_7_BUGGA:KNTD:RW21_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:18:31
ALYSN	GUERA	TerrainPt_46_BUGGA:KNTD:RW21_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:18:31
GUERA	FIM	TerrainPt_18_BUGGA:KNTD:RW21_GUERA:FIM		4E (+-250/+125)	N34° 21' 54.00"	W118° 46' 45.00"	2890.42	true	P	2000.0		5091	5090.42	11-Apr-2016 13:18:31

EED:KNTD:RW21 Criteria Failures

No failures.

Route Evaluation for KREME:KNTD:RW21

KREME:KNTD:RW21 Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	KREME		24000.0				0.0	0.0
TF	DNUTT	FLY_BY	23000.0			18.72	18.49	7.31
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	7.31
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLK	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				0.51	12.37	1.0
TF	FIM	FLY_BY				35.21	9.98	1.62

KREME:KNTD:RW21 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
IF	KREME				0.0	0.0							0.0	0.0				
TF	DNUTT	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHHN	FLY_BY	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLK	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0
TF	FIM	FLY_BY	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0	1.62	5.12	5100.0	250.0	17.6	57.0	277.0	334.0

GUERA RNAV

KREME:KNTD:RW21 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
KREME	DNUTT	TerrainPt_0_KREME:KNTD:RW21_KREME:DNUTT		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 13:18:31
DNUTT	JOHNN	TerrainPt_31_BUGGA:KNTD:RW21_DNUTT:JOHNN		4E (+-250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:18:31
JOHNN	BASAL	TerrainPt_38_BUGGA:KNTD:RW21_JOHNN:BASAL		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
BASAL	CHKNZ	TerrainPt_44_BUGGA:KNTD:RW21_BASAL:CHKNZ		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
CHKNZ	KOPL	TerrainPt_31_BUGGA:KNTD:RW21_CHKNZ:KOPL		4E (+-250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:18:31
KOPL	PMD	TerrainPt_15_BUGGA:KNTD:RW21_KOPL:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:18:31
PMD	JANNY	TerrainPt_25_BUGGA:KNTD:RW21_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:18:31
JANNY	ALYSN	TerrainPt_7_BUGGA:KNTD:RW21_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:18:31
ALYSN	GUERA	TerrainPt_46_BUGGA:KNTD:RW21_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:18:31
GUERA	FIM	TerrainPt_18_BUGGA:KNTD:RW21_GUERA:FIM		4E (+-250/+125)	N34° 21' 54.00"	W118° 46' 45.00"	2890.42	true	P	2000.0		5091	5090.42	11-Apr-2016 13:18:31

KREME:KNTD:RW21 Criteria Failures

No failures.

Route Evaluation for PURSE:KNTD:RW21

PURSE:KNTD:RW21 Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	PURSE						0.0	0.0
TF	NIPIY	FLY_BY				10.75	40.65	5.09
TF	KREME	FLY_BY	24000.0			6.72	23.54	5.09
TF	DNUTT	FLY_BY	23000.0			18.72	18.49	7.31
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	7.31
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLE	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				0.51	12.37	1.0
TF	FIM	FLY_BY				35.21	9.98	1.62

PURSE:KNTD:RW21 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
IF	PURSE				0.0	0.0							0.0	0.0				
TF	NIPIY	FLY_BY	0.0		40049.06	300.0	0.0	126.0	616.0	570.0	5.09	54.11	29886.0	300.0	5.0	106.0	505.0	570.0
TF	KREME	FLY_BY	5.09	54.11	29886.0	300.0	5.0	106.0	505.0	570.0	2.7	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	DNUTT	FLY_BY	2.7	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHHN	FLY_BY	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLE	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0
TF	FIM	FLY_BY	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0	1.62	5.12	5100.0	250.0	17.6	57.0	277.0	334.0

GUERA RNAV

PURSE:KNTD:RW21 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
PURSE	NIPIY	TerrainPt_18_PURSE:KNTD:RW21_PURSE:NIPIY		4E (+-250/+125)	N35° 36' 09.00"	W115° 10' 51.00"	7017.72	true	P	2000.0		9218	9217.72	11-Apr-2016 13:18:31
NIPIY	KREME	TerrainPt_0_PURSE:KNTD:RW21_NIPIY:KREME		4E (+-250/+125)	N35° 06' 03.00"	W115° 44' 36.00"	4527.56	true	P	2000.0		6728	6727.56	11-Apr-2016 13:18:31
KREME	DNUTT	TerrainPt_0_KREME:KNTD:RW21_KREME:DNUTT		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 13:18:31
DNUTT	JOHNN	TerrainPt_31_BUGGA:KNTD:RW21_DNUTT:JOHNN		4E (+-250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:18:31
JOHNN	BASAL	TerrainPt_38_BUGGA:KNTD:RW21_JOHNN:BASAL		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
BASAL	CHKNZ	TerrainPt_44_BUGGA:KNTD:RW21_BASAL:CHKNZ		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
CHKNZ	KOPLK	TerrainPt_31_BUGGA:KNTD:RW21_CHKNZ:KOPLK		4E (+-250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:18:31
KOPLK	PMD	TerrainPt_15_BUGGA:KNTD:RW21_KOPLK:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:18:31
PMD	JANNY	TerrainPt_25_BUGGA:KNTD:RW21_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:18:31
JANNY	ALYSN	TerrainPt_7_BUGGA:KNTD:RW21_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:18:31
ALYSN	GUERA	TerrainPt_46_BUGGA:KNTD:RW21_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:18:31
GUERA	FIM	TerrainPt_18_BUGGA:KNTD:RW21_GUERA:FIM		4E (+-250/+125)	N34° 21' 54.00"	W118° 46' 45.00"	2890.42	true	P	2000.0		5091	5090.42	11-Apr-2016 13:18:31

PURSE:KNTD:RW21 Criteria Failures

No failures.

Route Evaluation for WELUM:KNTD:RW21

WELUM:KNTD:RW21 Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	WELUM						0.0	0.0
TF	NIPIY	FLY_BY				11.79	45.82	5.59
TF	KREME	FLY_BY	24000.0			6.72	23.54	5.59
TF	DNUTT	FLY_BY	23000.0			18.72	18.49	7.31
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	7.31
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLE	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				0.51	12.37	1.0
TF	FIM	FLY_BY				35.21	9.98	1.62

WELUM:KNTD:RW21 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
IF	WELUM				0.0	0.0							0.0	0.0				
TF	NIPIY	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	5.59	54.11	29886.0	300.0	5.0	106.0	505.0	570.0
TF	KREME	FLY_BY	5.59	54.11	29886.0	300.0	5.0	106.0	505.0	570.0	2.7	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	DNUTT	FLY_BY	2.7	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHHN	FLY_BY	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLE	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0
TF	FIM	FLY_BY	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0	1.62	5.12	5100.0	250.0	17.6	57.0	277.0	334.0

GUERA RNAV

WELUM:KNTD:RW21 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
WELUM	NIPIY	TerrainPt_27_WELUM:KNTD:RW21_WELUM:NIPIY		4E (+-250/+125)	N35° 15' 30.00"	W115° 18' 42.00"	7519.69	true	P	2000.0		9720	9719.69	11-Apr-2016 13:18:31
NIPIY	KREME	TerrainPt_0_PURSE:KNTD:RW21_NIPIY:KREME		4E (+-250/+125)	N35° 06' 03.00"	W115° 44' 36.00"	4527.56	true	P	2000.0		6728	6727.56	11-Apr-2016 13:18:31
KREME	DNUTT	TerrainPt_0_KREME:KNTD:RW21_KREME:DNUTT		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 13:18:31
DNUTT	JOHNN	TerrainPt_31_BUGGA:KNTD:RW21_DNUTT:JOHNN		4E (+-250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:18:31
JOHNN	BASAL	TerrainPt_38_BUGGA:KNTD:RW21_JOHNN:BASAL		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
BASAL	CHKNZ	TerrainPt_44_BUGGA:KNTD:RW21_BASAL:CHKNZ		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:18:31
CHKNZ	KOPLK	TerrainPt_31_BUGGA:KNTD:RW21_CHKNZ:KOPLK		4E (+-250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:18:31
KOPLK	PMD	TerrainPt_15_BUGGA:KNTD:RW21_KOPLK:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:18:31
PMD	JANNY	TerrainPt_25_BUGGA:KNTD:RW21_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:18:31
JANNY	ALYSN	TerrainPt_7_BUGGA:KNTD:RW21_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:18:31
ALYSN	GUERA	TerrainPt_46_BUGGA:KNTD:RW21_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:18:31
GUERA	FIM	TerrainPt_18_BUGGA:KNTD:RW21_GUERA:FIM		4E (+-250/+125)	N34° 21' 54.00"	W118° 46' 45.00"	2890.42	true	P	2000.0		5091	5090.42	11-Apr-2016 13:18:31

WELUM:KNTD:RW21 Criteria Failures

No failures.

Route Evaluation for WNCHL:KNTD:RW21

WNCHL:KNTD:RW21 Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	WNCHL						0.0	0.0
TF	GLAZD	FLY_BY				0.16	7.34	1.0
TF	COWWS	FLY_BY	-19000.0			0.02	66.28	1.0
TF	KOPLE	FLY_BY	14000.0			7.29	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				0.51	12.37	1.0
TF	FIM	FLY_BY				35.21	9.98	1.62

WNCHL:KNTD:RW21 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
IF	WNCHL				0.0	0.0							0.0	0.0				
TF	GLAZD	FLY_BY	0.0		35408.52	300.0	0.0	117.0	562.0	570.0	0.08	54.11	33572.39	300.0	5.0	113.0	542.0	570.0
TF	COWWS	FLY_BY	0.08	54.11	33572.39	300.0	5.0	113.0	542.0	570.0	0.0		17003.36	300.0	0.0	81.0	402.0	483.0
TF	KOPLE	FLY_BY	0.0		17003.36	300.0	0.0	81.0	402.0	483.0	3.06	47.95	14000.0	300.0	3.65	75.0	383.0	458.0
TF	PMD	FLY_BY	3.06	47.95	14000.0	300.0	3.65	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0
TF	FIM	FLY_BY	0.45	102.27	7593.9	250.0	1.0	62.0	288.0	350.0	1.62	5.12	5100.0	250.0	17.6	57.0	277.0	334.0

GUERA RNAV

WNCHL:KNTD:RW21 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V) (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
WNCHL	GLAZD	TerrainPt_8_WNCHL:KNTD:RW21_WNCHL:GLAZD		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	S	1001.08		5801	5800.81	11-Apr-2016 13:18:31
GLAZD	COWWS	TerrainPt_22_WNCHL:KNTD:RW21_GLAZD:COWWS		4E (+-250/+125)	N34° 44' 12.00"	W117° 33' 57.00"	4110.89	true	P	2000.0		6311	6310.89	11-Apr-2016 13:18:31
COWWS	KOPL	TerrainPt_8_WNCHL:KNTD:RW21_COWWS:KOPL		4E (+-250/+125)	N34° 40' 33.00"	W117° 47' 54.00"	3654.86	true	P	2000.0		5855	5854.86	11-Apr-2016 13:18:31
KOPL	PMD	TerrainPt_15_BUGGA:KNTD:RW21_KOPL:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:18:31
PMD	JANNY	TerrainPt_25_BUGGA:KNTD:RW21_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:18:31
JANNY	ALYSN	TerrainPt_7_BUGGA:KNTD:RW21_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:18:31
ALYSN	GUERA	TerrainPt_46_BUGGA:KNTD:RW21_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:18:31
GUERA	FIM	TerrainPt_18_BUGGA:KNTD:RW21_GUERA:FIM		4E (+-250/+125)	N34° 21' 54.00"	W118° 46' 45.00"	2890.42	true	P	2000.0		5091	5090.42	11-Apr-2016 13:18:31

WNCHL:KNTD:RW21 Criteria Failures

No failures.

Evaluation Input

Name:	RS Results GUERA RNAV
Project:	NTD_CMA_OXR GUERA STAR paperwork_20150901-N
Last evaluated:	11-Apr-2016 13:17:53
Evaluated obstacles?:	true
Obstacle Database:	AIRNAV2
Evaluated terrain?:	true
Worst Case Vegetation Height (ft) AGL:	0

Terrain Information

Terrain Extractor Name	Extractor Location	Extractor Type	Resolution
DTED 3 Sec	C:\Program Files (x86)\TARGETS\data\DTED-3Sec	org.mitre.caasd.terrain.DTEExtractor	3.0

Procedure Criteria Failures

No failures.

Evaluation Notes and Warnings

GUERA RNAV

No failures.

Obstacles Requiring Accuracy Code Verification

None.

RS Results KCMA/KOXR GUERA

Last Evaluation: 11-Apr-2016 13:17:20
Reference Software Version: 1.5.3

Route Evaluation for BUGGA:KCMA/KOXR GUERA

BUGGA:KCMA/KOXR GUERA Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	BUGGA						0.0	0.0
TF	JOEES	FLY_BY	24000.0			12.5	26.21	5.05
TF	DNUTT	FLY_BY	23000.0			4.2	15.66	5.05
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	1.0
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLE	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				30.96	12.37	1.76
TF	SESPE	FLY_BY	5300.0			1.23	7.53	1.76
TF	DOOBY	FLY_OVER					2.0	1.0
FM							0.0	0.0

BUGGA:KCMA/KOXR GUERA 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
IF	BUGGA				0.0	0.0							0.0	0.0				
TF	JOEES	FLY_BY	0.0		30553.6	300.0	0.0	107.0	512.0	570.0	5.05	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	DNUTT	FLY_BY	5.05	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	1.63	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHNN	FLY_BY	1.63	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLE	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0
TF	SESPE	FLY_BY	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0
TF	DOOBY	FLY_OVER	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0	0.0		4600.0	250.0	0.0	56.0	275.0	331.0
FM			0.0		4600.0	250.0	0.0	56.0	275.0	331.0			0.0	0.0				

BUGGA:KCMA/KOXR GUERA Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
BUGGA	JOEES	TerrainPt_43_BUGGA:KCMA/KOXR GUERA_BUGGA:JOEES		4E (+-250/+125)	N34° 47' 36.00"	W115° 41' 45.00"	6755.25	true	S	1353.14		8309	8308.39	11-Apr-2016 13:17:53
JOEES	DNUTT	TerrainPt_22_BUGGA:KCMA/KOXR GUERA_JOEES:DNUTT		4E (+-250/+125)	N34° 43' 18.00"	W116° 35' 21.00"	4317.59	true	P	2000.0		6518	6517.59	11-Apr-2016 13:17:53
DNUTT	JOHNN	TerrainPt_31_BUGGA:KCMA/KOXR GUERA_DNUTT:JOHNN		4E (+-250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:17:53
JOHNN	BASAL	TerrainPt_38_BUGGA:KCMA/KOXR GUERA_JOHNN:BASAL		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
BASAL	CHKNZ	TerrainPt_44_BUGGA:KCMA/KOXR GUERA_BASAL:CHKNZ		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
CHKNZ	KOPLE	TerrainPt_31_BUGGA:KCMA/KOXR GUERA_CHKNZ:KOPLE		4E (+-250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:17:53
KOPLE	PMD	TerrainPt_15_BUGGA:KCMA/KOXR GUERA_KOPLE:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:17:53
PMD	JANNY	TerrainPt_25_BUGGA:KCMA/KOXR GUERA_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:17:53
JANNY	ALYSN	TerrainPt_7_BUGGA:KCMA/KOXR GUERA_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:17:53
ALYSN	GUERA	TerrainPt_46_BUGGA:KCMA/KOXR GUERA_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:17:53
GUERA	SESPE	TerrainPt_42_BUGGA:KCMA/KOXR GUERA_GUERA:SESPE		4E (+-250/+125)	N34° 21' 27.00"	W118° 40' 06.00"	3034.78	true	P	2000.0		5235	5234.78	11-Apr-2016 13:17:53
SESPE	DOOBY	TerrainPt_38_BUGGA:KCMA/KOXR GUERA_SESPE:DOOBY		4E (+-250/+125)	N34° 20' 12.00"	W118° 46' 51.00"	2375.33	true	P	2000.0		4576	4575.33	11-Apr-2016 13:17:53

GUERA RNAV

BUGGA:KCMA/KOXR GUERA Criteria Failures

No failures.

Route Evaluation for EED:KCMA/KOXR GUERA

EED:KCMA/KOXR GUERA Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	EED						0.0	0.0
TF	TAAAP	FLY_BY				0.5	66.53	1.0
TF	JOEES	FLY_BY	24000.0			3.38	20.77	1.0
TF	DNUTT	FLY_BY	23000.0			4.2	15.66	1.0
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	1.0
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLE	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				30.96	12.37	1.76
TF	SESPE	FLY_BY	5300.0			1.23	7.53	1.76
TF	DOOBY	FLY_OVER					2.0	1.0
FM							0.0	0.0

EED:KCMA/KOXR GUERA 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
IF	EED				0.0	0.0							0.0	0.0				
TF	TAAAP	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.24	54.11	29191.95	300.0	5.0	105.0	499.0	570.0
TF	JOEES	FLY_BY	0.24	54.11	29191.95	300.0	5.0	105.0	499.0	570.0	1.36	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	DNUTT	FLY_BY	1.36	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	1.63	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHHN	FLY_BY	1.63	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLK	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0
TF	SESPE	FLY_BY	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0
TF	DOOBY	FLY_OVER	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0	0.0		4600.0	250.0	0.0	56.0	275.0	331.0
FM			0.0		4600.0	250.0	0.0	56.0	275.0	331.0			0.0	0.0				

GUERA RNAV

EED:KCMA/KOXR GUERA Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
EED	TAAAP	TerrainPt_38_EED:KCMA/KOXR GUERA_EED:TAAAP		4E (+- 250/+125)	N34° 47' 36.00"	W115° 41' 45.00"	6755.25	true	P	2000.0		8956	8955.25	11-Apr-2016 13:17:53
TAAAP	JOEES	TerrainPt_0_EED:KCMA/KOXR GUERA_TAAAP:JOEES		4E (+- 250/+125)	N34° 48' 30.00"	W115° 46' 48.00"	4878.61	true	P	2000.0		7079	7078.61	11-Apr-2016 13:17:53
JOEES	DNUTT	TerrainPt_22_BUGGA:KCMA/KO XR GUERA_JOEES:DNUTT		4E (+- 250/+125)	N34° 43' 18.00"	W116° 35' 21.00"	4317.59	true	P	2000.0		6518	6517.59	11-Apr-2016 13:17:53
DNUTT	JOHNN	TerrainPt_31_BUGGA:KCMA/KO XR GUERA_DNUTT:JOHNN		4E (+- 250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:17:53
JOHNN	BASAL	TerrainPt_38_BUGGA:KCMA/KO XR GUERA_JOHNN:BASAL		4E (+- 250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
BASAL	CHKNZ	TerrainPt_44_BUGGA:KCMA/KO XR GUERA_BASAL:CHKNZ		4E (+- 250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
CHKNZ	KOPLK	TerrainPt_31_BUGGA:KCMA/KO XR GUERA_CHKZN:KOPLK		4E (+- 250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:17:53
KOPLK	PMD	TerrainPt_15_BUGGA:KCMA/KO XR GUERA_KOPLK:PMD		4E (+- 250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:17:53
PMD	JANNY	TerrainPt_25_BUGGA:KCMA/KO XR GUERA_PMD:JANNY		4E (+- 250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:17:53
JANNY	ALYSN	TerrainPt_7_BUGGA:KCMA/KO XR GUERA_JANNY:ALYSN		4E (+- 250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:17:53
ALYSN	GUERA	TerrainPt_46_BUGGA:KCMA/KO XR GUERA_ALYSN:GUERA		4E (+- 250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:17:53
GUERA	SESPE	TerrainPt_42_BUGGA:KCMA/KO XR GUERA_GUERA:SESPE		4E (+- 250/+125)	N34° 21' 27.00"	W118° 40' 06.00"	3034.78	true	P	2000.0		5235	5234.78	11-Apr-2016 13:17:53
SESPE	DOOBY	TerrainPt_38_BUGGA:KCMA/KO XR GUERA_SESPE:DOOBY		4E (+- 250/+125)	N34° 20' 12.00"	W118° 46' 51.00"	2375.33	true	P	2000.0		4576	4575.33	11-Apr-2016 13:17:53

EED:KCMA/KOXR GUERA Criteria Failures

No failures.

Route Evaluation for KREME:KCMSA/KOXR GUERA

KREME:KCMSA/KOXR GUERA Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	KREME		24000.0				0.0	0.0
TF	DNUTT	FLY_BY	23000.0			18.72	18.49	7.31
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	7.31
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLE	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				30.96	12.37	1.76
TF	SESPE	FLY_BY	5300.0			1.23	7.53	1.76
TF	DOOBY	FLY_OVER					2.0	1.0
FM							0.0	0.0

KREME:KCMSA/KOXR GUERA 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
IF	KREME				0.0	0.0							0.0	0.0				
TF	DNUTT	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHHN	FLY_BY	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLE	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0
TF	SESPE	FLY_BY	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0
TF	DOOBY	FLY_OVER	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0	0.0		4600.0	250.0	0.0	56.0	275.0	331.0
FM			0.0		4600.0	250.0	0.0	56.0	275.0	331.0			0.0	0.0				

GUERA RNAV

KREME:KCMA/KOXR GUERA Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
KREME	DNU TT	TerrainPt_0_KREME:KCMA/KOXR GUERA_KREME:DNU TT		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 13:17:53
DNU TT	JOH HN	TerrainPt_31_BUGGA:KCMA/KOXR GUERA_DNU TT:JOH HN		4E (+-250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:17:53
JOH HN	BASAL	TerrainPt_38_BUGGA:KCMA/KOXR GUERA_JOH HN:BASAL		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
BASAL	CHKNZ	TerrainPt_44_BUGGA:KCMA/KOXR GUERA_BASAL:CHKNZ		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
CHKNZ	KOPL E	TerrainPt_31_BUGGA:KCMA/KOXR GUERA_CHKNZ:KOPL E		4E (+-250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:17:53
KOPL E	PMD	TerrainPt_15_BUGGA:KCMA/KOXR GUERA_KOPL E:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:17:53
PMD	JANN Y	TerrainPt_25_BUGGA:KCMA/KOXR GUERA_PMD:JANN Y		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:17:53
JANN Y	ALYS N	TerrainPt_7_BUGGA:KCMA/KOXR GUERA_JANN Y:ALYS N		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:17:53
ALYS N	GUERA	TerrainPt_46_BUGGA:KCMA/KOXR GUERA_ALYS N:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:17:53
GUERA	SESPE	TerrainPt_42_BUGGA:KCMA/KOXR GUERA_GUERA:SESPE		4E (+-250/+125)	N34° 21' 27.00"	W118° 40' 06.00"	3034.78	true	P	2000.0		5235	5234.78	11-Apr-2016 13:17:53
SESPE	DOOBY	TerrainPt_38_BUGGA:KCMA/KOXR GUERA_SESPE:DOOBY		4E (+-250/+125)	N34° 20' 12.00"	W118° 46' 51.00"	2375.33	true	P	2000.0		4576	4575.33	11-Apr-2016 13:17:53

KREME:KCMA/KOXR GUERA Criteria Failures

No failures.

Route Evaluation for PURSE:KCMA/KOXR GUERA

PURSE:KCMA/KOXR GUERA Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	PURSE						0.0	0.0
TF	NIPIY	FLY_BY				10.75	40.65	5.09
TF	KREME	FLY_BY	24000.0			6.72	23.54	5.09
TF	DNUTT	FLY_BY	23000.0			18.72	18.49	7.31
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	7.31
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLE	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				30.96	12.37	1.76
TF	SESPE	FLY_BY	5300.0			1.23	7.53	1.76
TF	DOOBY	FLY_OVER					2.0	1.0
FM							0.0	0.0

PURSE:KCMA/KOXR GUERA 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
IF	PURSE				0.0	0.0							0.0	0.0				
TF	NIPIY	FLY_BY	0.0		40049.06	300.0	0.0	126.0	616.0	570.0	5.09	54.11	29886.0	300.0	5.0	106.0	505.0	570.0
TF	KREME	FLY_BY	5.09	54.11	29886.0	300.0	5.0	106.0	505.0	570.0	2.7	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	DNUTT	FLY_BY	2.7	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHHN	FLY_BY	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLK	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0
TF	SESPE	FLY_BY	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0
TF	DOOBY	FLY_OVER	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0	0.0		4600.0	250.0	0.0	56.0	275.0	331.0
FM			0.0		4600.0	250.0	0.0	56.0	275.0	331.0			0.0	0.0				

GUERA RNAV

PURSE:KCMA/KOXR GUERA Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
PURSE	NIPIY	TerrainPt_18_PURSE:KCMA/KOXR GUERA_PURSE:NIPIY		4E (+-250/+125)	N35° 36' 09.00"	W115° 10' 51.00"	7017.72	true	P	2000.0		9218	9217.72	11-Apr-2016 13:17:53
NIPIY	KREME	TerrainPt_0_PURSE:KCMA/KOXR GUERA_NIPIY:KREME		4E (+-250/+125)	N35° 06' 03.00"	W115° 44' 36.00"	4527.56	true	P	2000.0		6728	6727.56	11-Apr-2016 13:17:53
KREME	DNUTT	TerrainPt_0_KREME:KCMA/KOXR GUERA_KREME:DNUTT		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 13:17:53
DNUTT	JOHNN	TerrainPt_31_BUGGA:KCMA/KOXR GUERA_DNUTT:JOHNN		4E (+-250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:17:53
JOHNN	BASAL	TerrainPt_38_BUGGA:KCMA/KOXR GUERA_JOHNN:BASAL		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
BASAL	CHKNZ	TerrainPt_44_BUGGA:KCMA/KOXR GUERA_BASAL:CHKNZ		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
CHKNZ	KOPL	TerrainPt_31_BUGGA:KCMA/KOXR GUERA_CHKNZ:KOPL		4E (+-250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:17:53
KOPL	PMD	TerrainPt_15_BUGGA:KCMA/KOXR GUERA_KOPL:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:17:53
PMD	JANNY	TerrainPt_25_BUGGA:KCMA/KOXR GUERA_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:17:53
JANNY	ALYSN	TerrainPt_7_BUGGA:KCMA/KOXR GUERA_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:17:53
ALYSN	GUERA	TerrainPt_46_BUGGA:KCMA/KOXR GUERA_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:17:53
GUERA	SESPE	TerrainPt_42_BUGGA:KCMA/KOXR GUERA_GUERA:SESPE		4E (+-250/+125)	N34° 21' 27.00"	W118° 40' 06.00"	3034.78	true	P	2000.0		5235	5234.78	11-Apr-2016 13:17:53
SESPE	DOOBY	TerrainPt_38_BUGGA:KCMA/KOXR GUERA_SESPE:DOOBY		4E (+-250/+125)	N34° 20' 12.00"	W118° 46' 51.00"	2375.33	true	P	2000.0		4576	4575.33	11-Apr-2016 13:17:53

PURSE:KCMA/KOXR GUERA Criteria Failures

No failures.

Route Evaluation for WELUM:KCMA/KOXR GUERA

WELUM:KCMA/KOXR GUERA Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	WELUM						0.0	0.0
TF	NIPIY	FLY_BY				11.79	45.82	5.59
TF	KREME	FLY_BY	24000.0			6.72	23.54	5.59
TF	DNUTT	FLY_BY	23000.0			18.72	18.49	7.31
TF	JOHHN	FLY_BY	22000.0			0.0	7.4	7.31
TF	BASAL	FLY_BY				0.14	7.79	1.0
TF	CHKNZ	FLY_BY	-19000.0			0.09	37.93	1.0
TF	KOPLE	FLY_BY	14000.0			0.07	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				30.96	12.37	1.76
TF	SESPE	FLY_BY	5300.0			1.23	7.53	1.76
TF	DOOBY	FLY_OVER					2.0	1.0
FM							0.0	0.0

WELUM:KCMA/KOXR GUERA 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
IF	WELUM				0.0	0.0							0.0	0.0				
TF	NIPIY	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	5.59	54.11	29886.0	300.0	5.0	106.0	505.0	570.0
TF	KREME	FLY_BY	5.59	54.11	29886.0	300.0	5.0	106.0	505.0	570.0	2.7	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	DNUTT	FLY_BY	2.7	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0
TF	JOHHN	FLY_BY	7.31	44.35	23000.0	300.0	5.0	93.0	446.0	516.0	0.0		22000.0	300.0	0.0	91.0	438.0	506.0
TF	BASAL	FLY_BY	0.0		22000.0	300.0	0.0	91.0	438.0	506.0	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0
TF	CHKNZ	FLY_BY	0.05	42.64	22000.0	300.0	5.0	91.0	438.0	506.0	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0
TF	KOPLK	FLY_BY	0.16	194.75	17003.19	300.0	1.0	81.0	402.0	483.0	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0
TF	PMD	FLY_BY	0.11	175.12	14000.0	300.0	1.0	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0
TF	SESPE	FLY_BY	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0
TF	DOOBY	FLY_OVER	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0	0.0		4600.0	250.0	0.0	56.0	275.0	331.0
FM			0.0		4600.0	250.0	0.0	56.0	275.0	331.0			0.0	0.0				

WELUM:KCMA/KOXR GUERA Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
WELUM	NIPIY	TerrainPt_27_WELUM:KCMA/KOXR GUERA_WELUM:NIPIY		4E (+-250/+125)	N35° 15' 30.00"	W115° 18' 42.00"	7519.69	true	P	2000.0		9720	9719.69	11-Apr-2016 13:17:53
NIPIY	KREME	TerrainPt_0_PURSE:KCMA/KOXR GUERA_NIPIY:KREME		4E (+-250/+125)	N35° 06' 03.00"	W115° 44' 36.00"	4527.56	true	P	2000.0		6728	6727.56	11-Apr-2016 13:17:53
KREME	DNUTT	TerrainPt_0_KREME:KCMA/KOXR GUERA_KREME:DNUTT		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	P	2000.0		6800	6799.74	11-Apr-2016 13:17:53
DNUTT	JOHNN	TerrainPt_31_BUGGA:KCMA/KOXR GUERA_DNUTT:JOHNN		4E (+-250/+125)	N34° 46' 00.00"	W116° 43' 48.00"	4891.73	true	P	2000.0		7092	7091.73	11-Apr-2016 13:17:53
JOHNN	BASAL	TerrainPt_38_BUGGA:KCMA/KOXR GUERA_JOHNN:BASAL		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
BASAL	CHKNZ	TerrainPt_44_BUGGA:KCMA/KOXR GUERA_BASAL:CHKNZ		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	S	1281.39		7748	7747.8	11-Apr-2016 13:17:53
CHKNZ	KOPLK	TerrainPt_31_BUGGA:KCMA/KOXR GUERA_CHKZN:KOPLK		4E (+-250/+125)	N34° 43' 51.00"	W117° 35' 36.00"	3667.98	true	P	2000.0		5868	5867.98	11-Apr-2016 13:17:53
KOPLK	PMD	TerrainPt_15_BUGGA:KCMA/KOXR GUERA_KOPLK:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:17:53
PMD	JANNY	TerrainPt_25_BUGGA:KCMA/KOXR GUERA_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:17:53
JANNY	ALYSN	TerrainPt_7_BUGGA:KCMA/KOXR GUERA_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:17:53
ALYSN	GUERA	TerrainPt_46_BUGGA:KCMA/KOXR GUERA_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:17:53
GUERA	SESPE	TerrainPt_42_BUGGA:KCMA/KOXR GUERA_GUERA:SESPE		4E (+-250/+125)	N34° 21' 27.00"	W118° 40' 06.00"	3034.78	true	P	2000.0		5235	5234.78	11-Apr-2016 13:17:53
SESPE	DOOBY	TerrainPt_38_BUGGA:KCMA/KOXR GUERA_SESPE:DOOBY		4E (+-250/+125)	N34° 20' 12.00"	W118° 46' 51.00"	2375.33	true	P	2000.0		4576	4575.33	11-Apr-2016 13:17:53

WELUM:KCMA/KOXR GUERA Criteria Failures

No failures.

Route Evaluation for WNCHL:KCMSA/KOXR GUERA

WNCHL:KCMSA/KOXR GUERA Evaluation Results Part 1/2

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Spd Restr	Turn Ang	Leg Length	Min Seg Length
IF	WNCHL						0.0	0.0
TF	GLAZD	FLY_BY				0.16	7.34	1.0
TF	COWWS	FLY_BY	-19000.0			0.02	66.28	1.0
TF	KOPLE	FLY_BY	14000.0			7.29	12.01	1.0
TF	PMD	FLY_BY	-13000.0			7.4	10.0	1.0
TF	JANNY	FLY_BY	8000.0			10.38	15.0	1.82
TF	ALYSN	FLY_BY	+7100.0			0.27	6.57	1.82
TF	GUERA	FLY_BY				30.96	12.37	1.76
TF	SESPE	FLY_BY	5300.0			1.23	7.53	1.76
TF	DOOBY	FLY_OVER					2.0	1.0
FM							0.0	0.0

WNCHL:KCMSA/KOXR GUERA 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
IF	WNCHL				0.0	0.0							0.0	0.0				
TF	GLAZD	FLY_BY	0.0		35408.52	300.0	0.0	117.0	562.0	570.0	0.08	54.11	33572.39	300.0	5.0	113.0	542.0	570.0
TF	COWWS	FLY_BY	0.08	54.11	33572.39	300.0	5.0	113.0	542.0	570.0	0.0		17003.36	300.0	0.0	81.0	402.0	483.0
TF	KOPLE	FLY_BY	0.0		17003.36	300.0	0.0	81.0	402.0	483.0	3.06	47.95	14000.0	300.0	3.65	75.0	383.0	458.0
TF	PMD	FLY_BY	3.06	47.95	14000.0	300.0	3.65	75.0	383.0	458.0	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0
TF	JANNY	FLY_BY	2.81	43.42	11749.85	300.0	3.7	70.0	369.0	439.0	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0
TF	ALYSN	FLY_BY	1.82	20.0	8000.0	250.0	5.19	63.0	290.0	353.0	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0
TF	GUERA	FLY_BY	0.25	104.03	8000.0	250.0	1.0	63.0	290.0	353.0	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0
TF	SESPE	FLY_BY	1.76	6.34	7182.39	250.0	15.48	61.0	286.0	347.0	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0
TF	DOOBY	FLY_OVER	1.0	93.69	5300.0	250.0	1.0	57.0	278.0	335.0	0.0		4600.0	250.0	0.0	56.0	275.0	331.0
FM			0.0		4600.0	250.0	0.0	56.0	275.0	331.0			0.0	0.0				

GUERA RNAV

WNCHL:KCMA/KOXR GUERA Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V) (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
WNCHL	GLAZD	TerrainPt_8_WNCHL:KCMA/KOXR GUERA_WNCHL:GLAZD		4E (+-250/+125)	N34° 52' 21.00"	W116° 20' 12.00"	4599.74	true	S	1001.08		5801	5800.81	11-Apr-2016 13:17:53
GLAZD	COWWS	TerrainPt_22_WNCHL:KCMA/KOXR GUERA_GLAZD:COWWS		4E (+-250/+125)	N34° 44' 12.00"	W117° 33' 57.00"	4110.89	true	P	2000.0		6311	6310.89	11-Apr-2016 13:17:53
COWWS	KOPL	TerrainPt_8_WNCHL:KCMA/KOXR GUERA_COWWS:KOPL		4E (+-250/+125)	N34° 40' 33.00"	W117° 47' 54.00"	3654.86	true	P	2000.0		5855	5854.86	11-Apr-2016 13:17:53
KOPL	PMD	TerrainPt_15_BUGGA:KCMA/KOXR GUERA_KOPL:PMD		4E (+-250/+125)	N34° 35' 45.00"	W117° 51' 39.00"	3336.61	true	P	2000.0		5537	5536.61	11-Apr-2016 13:17:53
PMD	JANNY	TerrainPt_25_BUGGA:KCMA/KOXR GUERA_PMD:JANNY		4E (+-250/+125)	N34° 32' 39.00"	W118° 13' 54.00"	5219.82	true	P	2000.0		7420	7419.82	11-Apr-2016 13:17:53
JANNY	ALYSN	TerrainPt_7_BUGGA:KCMA/KOXR GUERA_JANNY:ALYSN		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	11-Apr-2016 13:17:53
ALYSN	GUERA	TerrainPt_46_BUGGA:KCMA/KOXR GUERA_ALYSN:GUERA		4E (+-250/+125)	N34° 32' 54.00"	W118° 27' 03.00"	3628.61	true	P	2000.0		5829	5828.61	11-Apr-2016 13:17:53
GUERA	SESPE	TerrainPt_42_BUGGA:KCMA/KOXR GUERA_GUERA:SESPE		4E (+-250/+125)	N34° 21' 27.00"	W118° 40' 06.00"	3034.78	true	P	2000.0		5235	5234.78	11-Apr-2016 13:17:53
SESPE	DOOBY	TerrainPt_38_BUGGA:KCMA/KOXR GUERA_SESPE:DOOBY		4E (+-250/+125)	N34° 20' 12.00"	W118° 46' 51.00"	2375.33	true	P	2000.0		4576	4575.33	11-Apr-2016 13:17:53

WNCHL:KCMA/KOXR GUERA Criteria Failures

No failures.

Evaluation Input

Name:	RS Results KCMA/KOXR GUERA
Project:	NTD_CMA_OXR GUERA STAR paperwork_20150901-N
Last evaluated:	11-Apr-2016 13:17:20
Evaluated obstacles?:	true
Obstacle Database:	AIRNAV2
Evaluated terrain?:	true
Worst Case Vegetation Height (ft) AGL:	0

Terrain Information

Terrain Extractor Name	Extractor Location	Extractor Type	Resolution
DTED 3 Sec	C:\Program Files (x86)\TARGETS\data\DTED-3Sec	org.mitre.caasd.terrain.DTEExtractor	3.0

Procedure Criteria Failures

No failures.

Evaluation Notes and Warnings

No failures.

Obstacles Requiring Accuracy Code Verification

None.

Database Effective Dates

Database	Date
UddfObstacle	03/09/2015
Tiled AIRNAV2	N/A
OEAAA	N/A
NFDC	03/31/2016
IFP_OFFLINE	N/A
AVNIS	04/11/2016
DOF	03/31/2016
AVNII_OFFLINE	N/A
AIRNAV2	04/11/2016
CIFP	03/31/2016

Notes:

SESPE altitude 5200 with appropriate 1:2:2:1 taper per Jon Denton 1/30/2014