

WYNDE RNAV

Point Of Contact

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TARGETS Distribution Package

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En Route Transition Data - EMMMA

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	EMMMA WP	N42 53 03.96	W084 34 50.40		IF										
AVNIS	LTOUR WP	N42 50 57.69	W084 55 05.90	FB	TF	262.08	265.08	15.05			6000	2200			
AVNIS	VIO VOR/DME	N42 47 12.18	W085 29 49.45	FB	TF	261.83	264.83	25.83			6000	2300			
AVNIS	DITCA WP	N42 44 50.45	W085 43 00.14	FB	TF	256.40	259.40	9.99			6000	2500			
AVNIS	WLTER WP	N42 41 11.39	W086 03 03.94	FB	TF	256.25	259.25	15.23			6000	2100			
AVNIS	RHIVR WP	N42 38 45.44	W086 16 14.15	FB	TF	256.02	259.02	10.02			6000	2100			
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38	FB	TF	255.88	258.88	20.67			6000	2000			
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63	FB	TF	249.97	252.97	18.32			6000	2800			

En Route Transition Data - FNT

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	FNT VORTAC	N42 58 00.38	W083 44 49.08		IF										
AVNIS	EMMMA WP	N42 53 03.96	W084 34 50.40	FB	TF	262.63	265.63	37.08			6000	2400			
AVNIS	EMMMA WP	N42 53 03.96	W084 34 50.40		HM	262.63	265.63	12.00							
AVNIS	LTOUR WP	N42 50 57.69	W084 55 05.90	FB	TF	262.08	265.08	15.05			6000	2200			
AVNIS	VIO VOR/DME	N42 47 12.18	W085 29 49.45	FB	TF	261.83	264.83	25.83			6000	2300			
AVNIS	DITCA WP	N42 44 50.45	W085 43 00.14	FB	TF	256.40	259.40	9.99			6000	2500			
AVNIS	WLTER WP	N42 41 11.39	W086 03 03.94	FB	TF	256.25	259.25	15.23			6000	2100			
AVNIS	WLTER WP	N42 41 11.39	W086 03 03.94		HM	256.25	259.25	10.00							
AVNIS	RHIVR WP	N42 38 45.44	W086 16 14.15	FB	TF	256.02	259.02	10.02			6000	2100			
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38	FB	TF	255.88	258.88	20.67			6000	2000			
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38		HM	255.88	258.88	9.00							
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63	FB	TF	249.97	252.97	18.32			6000	2800			
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63		HM	249.97	252.97	9.00							

En Route Transition Data - OBSTR

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	OBSTR WP	N43 41 42.20	W085 12 53.53		IF										
AVNIS	CSTLO WP	N43 10 50.36	W085 22 32.67	FB	TF	192.89	195.89	31.65			6000	3100			
AVNIS	VIO VOR/DME	N42 47 12.18	W085 29 49.45	FB	TF	192.78	195.78	24.23			6000	2400			
AVNIS	WLTER WP	N42 41 11.39	W086 03 03.94	FB	TF	256.40	259.40	25.22			6000	2500			
AVNIS	RHIVR WP	N42 38 45.44	W086 16 14.15	FB	TF	256.02	259.02	10.02			6000	2100			
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38	FB	TF	255.88	258.88	20.67			6000	2000			
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63	FB	TF	249.97	252.97	18.32			6000	2800			

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En Route Transition Data - ODAXY

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	ODAXY WP	N44 38 00.86	W083 12 16.23		IF										
AVNIS	GAULT WP	N44 04 36.79	W085 05 37.13	FB	TF	248.33	251.33	87.91			9000	3100			
AVNIS	OBSTR WP	N43 41 42.20	W085 12 53.53	FB	TF	192.97	195.97	23.50			9000	3100			
AVNIS	CSTLO WP	N43 10 50.36	W085 22 32.67	FB	TF	192.89	195.89	31.65			6000	3100			
AVNIS	VIO VOR/DME	N42 47 12.18	W085 29 49.45	FB	TF	192.78	195.78	24.23			6000	2400			
AVNIS	WLTER WP	N42 41 11.39	W086 03 03.94	FB	TF	256.40	259.40	25.22			6000	2500			
AVNIS	RHIVR WP	N42 38 45.44	W086 16 14.15	FB	TF	256.02	259.02	10.02			6000	2100			
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38	FB	TF	255.88	258.88	20.67			6000	2000			
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63	FB	TF	249.97	252.97	18.32			6000	2800			

En Route Transition Data - PMM

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	PMM VOR/DME	N42 27 57.73	W086 06 17.32		IF										
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38	FB	TF	281.95	284.95	28.00			6000	2200			
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63	FB	TF	249.97	252.97	18.32			6000	2800			

En Route Transition Data - SSM

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	SSM VOR/DME	N46 24 43.60	W084 18 53.54		IF										
AVNIS	JODEE WP	N45 16 43.30	W084 42 03.77	FB	TF	193.53	196.53	69.92			9000	2500			
AVNIS	JODEE WP	N45 16 43.30	W084 42 03.77		HM	193.53	196.53	12.00							
AVNIS	GAULT WP	N44 04 36.79	W085 05 37.13	FB	TF	193.26	196.26	74.04			9000	3200			
AVNIS	GAULT WP	N44 04 36.79	W085 05 37.13		HM	193.26	196.26	12.00							
AVNIS	OBSTR WP	N43 41 42.20	W085 12 53.53	FB	TF	192.97	195.97	23.50			9000	3100			
AVNIS	CSTLO WP	N43 10 50.36	W085 22 32.67	FB	TF	192.89	195.89	31.65			6000	3100			
AVNIS	CSTLO WP	N43 10 50.36	W085 22 32.67		HM	192.89	195.89	12.00							
AVNIS	VIO VOR/DME	N42 47 12.18	W085 29 49.45	FB	TF	192.78	195.78	24.23			6000	2400			
AVNIS	WLTER WP	N42 41 11.39	W086 03 03.94	FB	TF	256.40	259.40	25.22			6000	2500			
AVNIS	RHIVR WP	N42 38 45.44	W086 16 14.15	FB	TF	256.02	259.02	10.02			6000	2100			
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38	FB	TF	255.88	258.88	20.67			6000	2000			
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63	FB	TF	249.97	252.97	18.32			6000	2800			

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En Route Transition Data - TVC

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	TVC VOR/DME	N44 40 04.49	W085 33 00.06		IF				-24000						
AVNIS	PECOK WP	N44 00 27.67	W085 43 14.71	FB	TF	190.57	193.57	40.29			9000	3600			
AVNIS	PECOK WP	N44 00 27.67	W085 43 14.71		HM	190.58	193.58	12.00							
AVNIS	UFDUH WP	N43 42 35.91	W085 47 46.97	FB	TF	190.44	193.44	18.16	-24000		9000	2600			
AVNIS	BITTR WP	N43 07 17.68	W085 56 38.18	FB	TF	190.41	193.41	35.88			9000	2900			
AVNIS	BITTR WP	N43 07 17.68	W085 56 38.18		HM	190.40	193.40	10.00							
AVNIS	WLTER WP	N42 41 11.39	W086 03 03.94	FB	TF	190.30	193.30	26.52			6000	2700			
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38	FB	TF	256.03	259.03	30.68			6000	2100			
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63	FB	TF	249.97	252.97	18.32			6000	2800			

En Route Transition Data - UFDUH

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	UFDUH WP	N43 42 35.91	W085 47 46.97		IF				-24000						
AVNIS	BITTR WP	N43 07 17.68	W085 56 38.18	FB	TF	190.41	193.41	35.88			9000	2900			
AVNIS	WLTER WP	N42 41 11.39	W086 03 03.94	FB	TF	190.30	193.30	26.52			6000	2700			
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38	FB	TF	256.03	259.03	30.68			6000	2100			
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63	FB	TF	249.97	252.97	18.32			6000	2800			

En Route Transition Data - VIO

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	VIO VOR/DME	N42 47 12.18	W085 29 49.45		IF										
AVNIS	DITCA WP	N42 44 50.45	W085 43 00.14	FB	TF	256.40	259.40	9.99			6000	2500			
AVNIS	WLTER WP	N42 41 11.39	W086 03 03.94	FB	TF	256.25	259.25	15.23			6000	2100			
AVNIS	RHIVR WP	N42 38 45.44	W086 16 14.15	FB	TF	256.02	259.02	10.02			6000	2100			
AVNIS	PAITN WP	N42 33 39.71	W086 43 21.38	FB	TF	255.88	258.88	20.67			6000	2000			
AVNIS	WYNDE WP	N42 27 20.73	W087 06 36.63	FB	TF	249.97	252.97	18.32			6000	2800			

Common Route Data - WYNDE

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	WYNDE WP	N42 27 20.73	W087 06 36.63		IF										
AVNIS	FIYER WP	N42 23 51.97	W087 19 16.21	FB	TF	249.72	252.72	10.00			6000	2800			
AVNIS	ERNNY WP	N42 20 19.39	W087 32 03.06	FB	TF	249.57	252.57	10.11			6000	2800			
AVNIS	PAPPI WP	N42 16 11.90	W087 36 25.93	FB	TF	218.28	221.28	5.25			5000	2800			
AVNIS	TUBEZ WP	N42 10 51.31	W087 42 02.89	FB	TF	218.03	221.03	6.78			5000	2800			

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Runway Transition Data - KORD:RW04L

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	TUBEZ WP	N42 10 51.31	W087 42 02.89		IF										
AVNIS	VULCN WP	N42 05 30.34	W087 47 39.02	FB	TF	217.97	220.97	6.78			4000	2000			
AVNIS	KURKK WP	N42 05 30.61	W088 01 37.92	FB	TF	270.10	273.10	10.41			4000	2100			
AVNIS	BAMBB WP	N42 05 27.50	W088 16 31.34	FO	TF	269.82	272.82	11.09			4000	2200			
AVNIS	BAMBB WP	N42 05 27.50	W088 16 31.34		FM	269.82	272.82								

Runway Transition Data - KORD:RW10B

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	TUBEZ WP	N42 10 51.31	W087 42 02.89		IF										
AVNIS	MONKZ WP	N41 53 03.59	W087 48 06.47	FB	TF	194.28	197.28	18.35			4000	2200			
AVNIS	JORJO WP	N41 53 04.14	W087 59 18.78	FB	TF	270.13	273.13	8.37			4000	2200			
	POSSM_ WP	N41 52 28.78	W088 16 30.63	FO	TF	267.47	270.47	12.86			4000	2200			
	POSSM_ WP	N41 52 28.78	W088 16 30.63		FM	267.47	270.47								

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")
AVNIS	BAMBB WP		420527.50N-0881631.34W	N 42.0909722	W 88.2753722	N42 05.458	W88 16.522	N42 05 27.50	W088 16 31.34
AVNIS	BITTR WP		430717.68N-0855638.18W	N 43.1215778	W 85.9439389	N43 07.295	W85 56.636	N43 07 17.68	W085 56 38.18
AVNIS	CRL VORTAC		420252.89N-0832727.29W	N 42.0480250	W 83.4575806	N42 02.881	W83 27.455	N42 02 52.89	W083 27 27.29
AVNIS	CSTLO WP		431050.36N-0852232.67W	N 43.1806556	W 85.3757417	N43 10.839	W85 22.544	N43 10 50.36	W085 22 32.67
AVNIS	DITCA WP		424450.45N-0854300.14W	N 42.7473472	W 85.7167056	N42 44.841	W85 43.002	N42 44 50.45	W085 43 00.14
AVNIS	EMMMA WP		425303.96N-0843450.40W	N 42.8844333	W 84.5806667	N42 53.066	W84 34.840	N42 53 03.96	W084 34 50.40
AVNIS	ERNNY WP		422019.39N-0873203.06W	N 42.3387194	W 87.5341833	N42 20.323	W87 32.051	N42 20 19.39	W087 32 03.06
AVNIS	FIYER WP		422351.97N-0871916.21W	N 42.3977694	W 87.3211694	N42 23.866	W87 19.270	N42 23 51.97	W087 19 16.21
AVNIS	FNT VORTAC		425800.38N-0834449.08W	N 42.9667722	W 83.7469667	N42 58.006	W83 44.818	N42 58 00.38	W083 44 49.08
AVNIS	GAULT WP		440436.79N-0850537.13W	N 44.0768861	W 85.0936472	N44 04.613	W85 05.619	N44 04 36.79	W085 05 37.13
AVNIS	JODEE WP		451643.30N-0844203.77W	N 45.2786944	W 84.7010472	N45 16.722	W84 42.063	N45 16 43.30	W084 42 03.77
AVNIS	JORJO WP		415304.14N-0875918.78W	N 41.8844833	W 87.9885500	N41 53.069	W87 59.313	N41 53 04.14	W087 59 18.78
AVNIS	KURKK WP		420530.61N-0880137.92W	N 42.0918361	W 88.0272000	N42 05.510	W88 01.632	N42 05 30.61	W088 01 37.92
AVNIS	LTOUT WP		425057.69N-0845505.90W	N 42.8493583	W 84.9183056	N42 50.962	W84 55.098	N42 50 57.69	W084 55 05.90
AVNIS	MONKZ WP		415303.59N-0874806.47W	N 41.8843306	W 87.8017972	N41 53.060	W87 48.108	N41 53 03.59	W087 48 06.47
AVNIS	OBSTR WP		434142.20N-0851253.53W	N 43.6950556	W 85.2148694	N43 41.703	W85 12.892	N43 41 42.20	W085 12 53.53
AVNIS	ODAXY WP		443800.86N-0831216.23W	N 44.6335722	W 83.2045083	N44 38.014	W83 12.271	N44 38 00.86	W083 12 16.23
AVNIS	PAITN WP		423339.71N-0864321.38W	N 42.5610306	W 86.7226056	N42 33.662	W86 43.356	N42 33 39.71	W086 43 21.38
AVNIS	PAPPI WP		421611.90N-0873625.93W	N 42.2699722	W 87.6072028	N42 16.198	W87 36.432	N42 16 11.90	W087 36 25.93
AVNIS	PECOK WP		440027.67N-0854314.71W	N 44.0076861	W 85.7207528	N44 00.461	W85 43.245	N44 00 27.67	W085 43 14.71
AVNIS	PMM VOR/DME		422757.73N-0860617.32W	N 42.4660361	W 86.1048111	N42 27.962	W86 06.289	N42 27 57.73	W086 06 17.32
	POSSM_WP		415228.78N-0881630.63W	N 41.8746602	W 88.2751739	N41 52.480	W88 16.510	N41 52 28.78	W088 16 30.63
AVNIS	RHIVR WP		423845.44N-0861614.15W	N 42.6459556	W 86.2705972	N42 38.757	W86 16.236	N42 38 45.44	W086 16 14.15
AVNIS	SSM VOR/DME		462443.60N-0841853.54W	N 46.4121111	W 84.3148722	N46 24.727	W84 18.892	N46 24 43.60	W084 18 53.54
AVNIS	TUBEZ WP		421051.31N-0874202.89W	N 42.1809194	W 87.7008028	N42 10.855	W87 42.048	N42 10 51.31	W087 42 02.89
AVNIS	TVC VOR/DME		444004.49N-0853300.06W	N 44.6679139	W 85.5500167	N44 40.075	W85 33.001	N44 40 04.49	W085 33 00.06
AVNIS	UFDUH WP		434235.91N-0854746.97W	N 43.7099750	W 85.7963806	N43 42.598	W85 47.783	N43 42 35.91	W085 47 46.97
AVNIS	VIO VOR/DME		424712.18N-0852949.45W	N 42.7867167	W 85.4970694	N42 47.203	W85 29.824	N42 47 12.18	W085 29 49.45
AVNIS	VULCN WP		420530.34N-0874739.02W	N 42.0917611	W 87.7941722	N42 05.506	W87 47.650	N42 05 30.34	W087 47 39.02
AVNIS	WLTER WP		424111.39N-0860303.94W	N 42.6864972	W 86.0510944	N42 41.190	W86 03.066	N42 41 11.39	W086 03 03.94
AVNIS	WYNDE WP		422720.73N-0870636.63W	N 42.4557583	W 87.1101750	N42 27.346	W87 06.610	N42 27 20.73	W087 06 36.63

RS Results WYNDE

Last Evaluation: 08-Oct-2015 15:09:47
Reference Software Version: 1.5.2

WYNDE RNAV

Route Evaluation for EMMMA:WYNDE:KORD:RW04L

EMMMA:WYNDE:KORD:RW04L 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	EMMMA						0.0	0.0
TF	LTOUR	FLY_BY				0.01	15.05	1.0
TF	VIO	FLY_BY				5.04	25.83	1.0
TF	DITCA	FLY_BY				0.0	9.99	1.0
TF	WLTER	FLY_BY				0.0	15.23	1.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.06
TF	PAPPI	FLY_BY				0.2	5.25	3.06
TF	TUBEZ	FLY_BY				0.0	6.78	1.0
TF	VULCN	FLY_BY				52.2	6.78	2.01
TF	KURKK	FLY_BY				0.13	10.41	2.01
TF	BAMBB	FLY_OVER					11.09	1.0
FM							0.0	0.0

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EMMMA:WYNDE:KORD:RW04L 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	EMMMA				0.0	0.0							0.0	0.0				
TF	LTOUR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	2.38	54.11	37661.8	300.0	5.0	122.0	587.0	570.0
TF	DITCA	FLY_BY	2.38	54.11	37661.8	300.0	5.0	122.0	587.0	570.0	0.0		35164.34	300.0	0.0	117.0	559.0	570.0
TF	WLTER	FLY_BY	0.0		35164.34	300.0	0.0	117.0	559.0	570.0	0.0		31355.89	300.0	0.0	109.0	519.0	570.0
TF	RHIVR	FLY_BY	0.0		31355.89	300.0	0.0	109.0	519.0	570.0	0.0		28851.84	300.0	0.0	104.0	496.0	570.0
TF	PAITN	FLY_BY	0.0		28851.84	300.0	0.0	104.0	496.0	570.0	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0
TF	WYNDE	FLY_BY	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0	0.0		19104.76	300.0	0.0	85.0	417.0	500.0
TF	FIYER	FLY_BY	0.0		19104.76	300.0	0.0	85.0	417.0	500.0	0.0		16604.76	300.0	0.0	80.0	400.0	480.0
TF	ERNNY	FLY_BY	0.0		16604.76	300.0	0.0	80.0	400.0	480.0	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0
TF	PAPPI	FLY_BY	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0
TF	TUBEZ	FLY_BY	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0	0.0		11069.0	300.0	0.0	69.0	365.0	434.0
TF	VULCN	FLY_BY	0.0		11069.0	300.0	0.0	69.0	365.0	434.0	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0
TF	KURKK	FLY_BY	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0
TF	BAMBB	FLY_OVER	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

EMMMA:WYNDE:KORD:RW04L 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
EMMMA	LTOUR	26-001297	AVNII	3D (+- 100/+50)	N42° 53' 30.00"	W084° 34' 31.00"	1199.0	false	P	1000.0		2199	2199.0	06-Oct-2015 11:43:54
LTOUR	VIO	TerrainPt_9_EMMMA:WYNDE:K ORD:RW04L_LTOUR:VIO		4E (+- 250/+125)	N42° 43' 48.00"	W085° 25' 42.00"	1003.94	false	P	1000.0		2204	2203.94	08-Oct-2015 15:32:50
VIO	DITCA	26-001372	AVNII	5D (+- 500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
DITCA	WLTER	26-001121	AVNII	2C (+50/+ 20)	N42° 42' 50.98"	W085° 44' 28.12"	1059.0	false	P	1000.0		2059	2059.0	06-Oct-2015 11:43:41
WLTER	RHIVR	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+- 250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	VULCN	TerrainPt_11_EMMMA:WYNDE: KORD:RW04L_TUBEZ:VULCN		4E (+- 250/+125)	N42° 06' 42.00"	W087° 49' 03.00"	715.22	false	P	1000.0		1916	1915.22	08-Oct-2015 15:32:50
VULCN	KURKK	17-001986	AVNII	1B (+20/+ 10)	N42° 03' 33.81"	W087° 51' 45.32"	1027.0	false	P	1000.0		2027	2027.0	06-Oct-2015 11:44:14
KURKK	BAMBB	TerrainPt_43_EMMMA:WYNDE: KORD:RW04L_KURKK:BAMBB		4E (+- 250/+125)	N42° 07' 27.00"	W088° 14' 15.00"	948.16	false	P	1000.0		2149	2148.16	08-Oct-2015 15:32:50

EMMMA:WYNDE:KORD:RW04L Criteria Failures

No failures.

Route Evaluation for EMMMA:WYNDE:KORD:RW10B

EMMMA:WYNDE:KORD:RW10B 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	EMMMA						0.0	0.0
TF	LTOUR	FLY_BY				0.01	15.05	1.0
TF	VIO	FLY_BY				5.04	25.83	1.0
TF	DITCA	FLY_BY				0.0	9.99	1.0
TF	WLTER	FLY_BY				0.0	15.23	1.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.38
TF	PAPPI	FLY_BY				0.2	5.25	3.38
TF	TUBEZ	FLY_BY				23.69	6.78	3.04
TF	MONKZ	FLY_BY				75.91	18.35	6.22
TF	JORJO	FLY_BY				2.53	8.37	3.17
TF	POSSM_	FLY_OVER					12.86	1.0
FM							0.0	0.0

WYNDE RNAV

EMMMA:WYNDE:KORD:RW10B 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	EMMMA				0.0	0.0							0.0	0.0				
TF	LTOUR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	2.38	54.11	40488.27	300.0	5.0	127.0	622.0	570.0
TF	DITCA	FLY_BY	2.38	54.11	40488.27	300.0	5.0	127.0	622.0	570.0	0.0		37990.8	300.0	0.0	122.0	591.0	570.0
TF	WLTER	FLY_BY	0.0		37990.8	300.0	0.0	122.0	591.0	570.0	0.0		34182.36	300.0	0.0	115.0	548.0	570.0
TF	RHIVR	FLY_BY	0.0		34182.36	300.0	0.0	115.0	548.0	570.0	0.0		31678.3	300.0	0.0	110.0	523.0	570.0
TF	PAITN	FLY_BY	0.0		31678.3	300.0	0.0	110.0	523.0	570.0	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0
TF	WYNDE	FLY_BY	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0	0.0		21931.23	300.0	0.0	90.0	438.0	505.0
TF	FIYER	FLY_BY	0.0		21931.23	300.0	0.0	90.0	438.0	505.0	0.0		19431.22	300.0	0.0	85.0	419.0	500.0
TF	ERNNY	FLY_BY	0.0		19431.22	300.0	0.0	85.0	419.0	500.0	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0
TF	PAPPI	FLY_BY	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0
TF	TUBEZ	FLY_BY	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0
TF	MONKZ	FLY_BY	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0
TF	JORJO	FLY_BY	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0
TF	POSSM	FLY_OVER	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

EMMMA:WYNDE:KORD:RW10B 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
EMMMA	LTOUR	26-001297	AVNII	3D (+- 100/+50)	N42° 53' 30.00"	W084° 34' 31.00"	1199.0	false	P	1000.0		2199	2199.0	06-Oct-2015 11:43:54
LTOUR	VIO	TerrainPt_9_EMMMA:WYNDE:K ORD:RW04L_LTOUR:VIO		4E (+- 250/+125)	N42° 43' 48.00"	W085° 25' 42.00"	1003.94	false	P	1000.0		2204	2203.94	08-Oct-2015 15:32:50
VIO	DITCA	26-001372	AVNII	5D (+- 500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
DITCA	WLTER	26-001121	AVNII	2C (+50/+ 20)	N42° 42' 50.98"	W085° 44' 28.12"	1059.0	false	P	1000.0		2059	2059.0	06-Oct-2015 11:43:41
WLTER	RHIVR	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+- 250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	MONKZ	17-000636	AVNII	5D (+- 500/+50)	N41° 56' 18.00"	W087° 45' 05.00"	1143.0	false	P	1000.0		2143	2143.0	06-Oct-2015 11:45:33
MONKZ	JORJO	17-002968	AVNII	5D (+- 500/+50)	N41° 52' 08.00"	W087° 54' 55.00"	1145.0	false	P	1000.0		2145	2145.0	06-Oct-2015 11:45:34
JORJO	POSSM_	KDPAT001231	AVNII	1B (+20/+ 10)	N41° 52' 12.45"	W088° 17' 54.28"	1161.0	false	P	1000.0		2161	2161.0	06-Oct-2015 11:43:01

EMMMA:WYNDE:KORD:RW10B Criteria Failures

No failures.

Route Evaluation for FNT:WYNDE:KORD:RW04L

FNT:WYNDE:KORD:RW04L 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	FNT						0.0	0.0
TF	EMMMA	FLY_BY				0.01	37.08	1.0
TF	LTOUR	FLY_BY				0.01	15.05	1.0
TF	VIO	FLY_BY				5.04	25.83	1.0
TF	DITCA	FLY_BY				0.0	9.99	1.0
TF	WLTER	FLY_BY				0.0	15.23	1.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.06
TF	PAPPI	FLY_BY				0.2	5.25	3.06
TF	TUBEZ	FLY_BY				0.0	6.78	1.0
TF	VULCN	FLY_BY				52.2	6.78	2.01
TF	KURKK	FLY_BY				0.13	10.41	2.01
TF	BAMBB	FLY_OVER					11.09	1.0
FM							0.0	0.0

WYNDE RNAV

FNT:WYNDE:KORD:RW04L 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	FNT				0.0	0.0							0.0	0.0				
TF	EMMMA	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	LTOUR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	2.38	54.11	37661.8	300.0	5.0	122.0	587.0	570.0
TF	DITCA	FLY_BY	2.38	54.11	37661.8	300.0	5.0	122.0	587.0	570.0	0.0		35164.34	300.0	0.0	117.0	559.0	570.0
TF	WLTER	FLY_BY	0.0		35164.34	300.0	0.0	117.0	559.0	570.0	0.0		31355.89	300.0	0.0	109.0	519.0	570.0
TF	RHIVR	FLY_BY	0.0		31355.89	300.0	0.0	109.0	519.0	570.0	0.0		28851.84	300.0	0.0	104.0	496.0	570.0
TF	PAITN	FLY_BY	0.0		28851.84	300.0	0.0	104.0	496.0	570.0	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0
TF	WYNDE	FLY_BY	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0	0.0		19104.76	300.0	0.0	85.0	417.0	500.0
TF	FIYER	FLY_BY	0.0		19104.76	300.0	0.0	85.0	417.0	500.0	0.0		16604.76	300.0	0.0	80.0	400.0	480.0
TF	ERNNY	FLY_BY	0.0		16604.76	300.0	0.0	80.0	400.0	480.0	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0
TF	PAPPI	FLY_BY	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0
TF	TUBEZ	FLY_BY	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0	0.0		11069.0	300.0	0.0	69.0	365.0	434.0
TF	VULCN	FLY_BY	0.0		11069.0	300.0	0.0	69.0	365.0	434.0	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0
TF	KURKK	FLY_BY	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0
TF	BAMBB	FLY_OVER	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

FNT:WYNDE:KORD:RW04L 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
FNT	EMMMA	26-001939	AVNII	5D (+- 500/+50)	N42° 53' 56.00"	W084° 11' 19.00"	1353.0	false	P	1000.0		2353	2353.0	06-Oct-2015 11:48:15
EMMMA	LTOUR	26-001297	AVNII	3D (+- 100/+50)	N42° 53' 30.00"	W084° 34' 31.00"	1199.0	false	P	1000.0		2199	2199.0	06-Oct-2015 11:43:54
LTOUR	VIO	TerrainPt_9_EMMMA:WYNDE:K ORD:RW04L_LTOUR:VIO		4E (+- 250/+125)	N42° 43' 48.00"	W085° 25' 42.00"	1003.94	false	P	1000.0		2204	2203.94	08-Oct-2015 15:32:50
VIO	DITCA	26-001372	AVNII	5D (+- 500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
DITCA	WLTER	26-001121	AVNII	2C (+50/+ 20)	N42° 42' 50.98"	W085° 44' 28.12"	1059.0	false	P	1000.0		2059	2059.0	06-Oct-2015 11:43:41
WLTER	RHIVR	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+- 250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	VULCN	TerrainPt_11_EMMMA:WYNDE: KORD:RW04L_TUBEZ:VULCN		4E (+- 250/+125)	N42° 06' 42.00"	W087° 49' 03.00"	715.22	false	P	1000.0		1916	1915.22	08-Oct-2015 15:32:50
VULCN	KURKK	17-001986	AVNII	1B (+20/+ 10)	N42° 03' 33.81"	W087° 51' 45.32"	1027.0	false	P	1000.0		2027	2027.0	06-Oct-2015 11:44:14
KURKK	BAMBB	TerrainPt_43_EMMMA:WYNDE: KORD:RW04L_KURKK:BAMBB		4E (+- 250/+125)	N42° 07' 27.00"	W088° 14' 15.00"	948.16	false	P	1000.0		2149	2148.16	08-Oct-2015 15:32:50

FNT:WYNDE:KORD:RW04L Criteria Failures

No failures.

Route Evaluation for FNT:WYNDE:KORD:RW10B

FNT:WYNDE:KORD:RW10B 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	FNT						0.0	0.0
TF	EMMMA	FLY_BY				0.01	37.08	1.0
TF	LTOUR	FLY_BY				0.01	15.05	1.0
TF	VIO	FLY_BY				5.04	25.83	1.0
TF	DITCA	FLY_BY				0.0	9.99	1.0
TF	WLTER	FLY_BY				0.0	15.23	1.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.38
TF	PAPPI	FLY_BY				0.2	5.25	3.38
TF	TUBEZ	FLY_BY				23.69	6.78	3.04
TF	MONKZ	FLY_BY				75.91	18.35	6.22
TF	JORJO	FLY_BY				2.53	8.37	3.17
TF	POSSM_	FLY_OVER					12.86	1.0
FM							0.0	0.0

WYNDE RNAV

FNT:WYNDE:KORD:RW10B 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	FNT				0.0	0.0							0.0	0.0				
TF	EMMMA	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	LTOUR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	2.38	54.11	40488.27	300.0	5.0	127.0	622.0	570.0
TF	DITCA	FLY_BY	2.38	54.11	40488.27	300.0	5.0	127.0	622.0	570.0	0.0		37990.8	300.0	0.0	122.0	591.0	570.0
TF	WLTER	FLY_BY	0.0		37990.8	300.0	0.0	122.0	591.0	570.0	0.0		34182.36	300.0	0.0	115.0	548.0	570.0
TF	RHIVR	FLY_BY	0.0		34182.36	300.0	0.0	115.0	548.0	570.0	0.0		31678.3	300.0	0.0	110.0	523.0	570.0
TF	PAITN	FLY_BY	0.0		31678.3	300.0	0.0	110.0	523.0	570.0	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0
TF	WYNDE	FLY_BY	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0	0.0		21931.23	300.0	0.0	90.0	438.0	505.0
TF	FIYER	FLY_BY	0.0		21931.23	300.0	0.0	90.0	438.0	505.0	0.0		19431.22	300.0	0.0	85.0	419.0	500.0
TF	ERNNY	FLY_BY	0.0		19431.22	300.0	0.0	85.0	419.0	500.0	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0
TF	PAPPI	FLY_BY	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0
TF	TUBEZ	FLY_BY	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0
TF	MONKZ	FLY_BY	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0
TF	JORJO	FLY_BY	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0
TF	POSSM	FLY_OVER	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

FNT:WYNDE:KORD:RW10B 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
FNT	EMMMA	26-001939	AVNII	5D (+- 500/+50)	N42° 53' 56.00"	W084° 11' 19.00"	1353.0	false	P	1000.0		2353	2353.0	06-Oct-2015 11:48:15
EMMMA	LTOUR	26-001297	AVNII	3D (+- 100/+50)	N42° 53' 30.00"	W084° 34' 31.00"	1199.0	false	P	1000.0		2199	2199.0	06-Oct-2015 11:43:54
LTOUR	VIO	TerrainPt_9_EMMMA:WYNDE:K ORD:RW04L_LTOUR:VIO		4E (+- 250/+125)	N42° 43' 48.00"	W085° 25' 42.00"	1003.94	false	P	1000.0		2204	2203.94	08-Oct-2015 15:32:50
VIO	DITCA	26-001372	AVNII	5D (+- 500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
DITCA	WLTER	26-001121	AVNII	2C (+50/+ 20)	N42° 42' 50.98"	W085° 44' 28.12"	1059.0	false	P	1000.0		2059	2059.0	06-Oct-2015 11:43:41
WLTER	RHIVR	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+- 250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	MONKZ	17-000636	AVNII	5D (+- 500/+50)	N41° 56' 18.00"	W087° 45' 05.00"	1143.0	false	P	1000.0		2143	2143.0	06-Oct-2015 11:45:33
MONKZ	JORJO	17-002968	AVNII	5D (+- 500/+50)	N41° 52' 08.00"	W087° 54' 55.00"	1145.0	false	P	1000.0		2145	2145.0	06-Oct-2015 11:45:34
JORJO	POSSM_	KDPAT001231	AVNII	1B (+20/+ 10)	N41° 52' 12.45"	W088° 17' 54.28"	1161.0	false	P	1000.0		2161	2161.0	06-Oct-2015 11:43:01

FNT:WYNDE:KORD:RW10B Criteria Failures

No failures.

Route Evaluation for OBSTR:WYNDE:KORD:RW04L

OBSTR:WYNDE:KORD:RW04L 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	OBSTR						0.0	0.0
TF	CSTLO	FLY_BY				0.0	31.65	1.0
TF	VIO	FLY_BY				63.7	24.23	20.0
TF	WLTER	FLY_BY				0.0	25.22	20.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.06
TF	PAPPI	FLY_BY				0.2	5.25	3.06
TF	TUBEZ	FLY_BY				0.0	6.78	1.0
TF	VULCN	FLY_BY				52.2	6.78	2.01
TF	KURKK	FLY_BY				0.13	10.41	2.01
TF	BAMBB	FLY_OVER					11.09	1.0
FM							0.0	0.0

WYNDE RNAV

OBSTR:WYNDE:KORD:RW04L 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	OBSTR				0.0	0.0							0.0	0.0				
TF	CSTLO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	20.0	32.19	37661.8	300.0	8.0	122.0	587.0	570.0
TF	WLTER	FLY_BY	20.0	32.19	37661.8	300.0	8.0	122.0	587.0	570.0	0.0		31355.89	300.0	0.0	109.0	519.0	570.0
TF	RHIVR	FLY_BY	0.0		31355.89	300.0	0.0	109.0	519.0	570.0	0.0		28851.84	300.0	0.0	104.0	496.0	570.0
TF	PAITN	FLY_BY	0.0		28851.84	300.0	0.0	104.0	496.0	570.0	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0
TF	WYNDE	FLY_BY	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0	0.0		19104.76	300.0	0.0	85.0	417.0	500.0
TF	FIYER	FLY_BY	0.0		19104.76	300.0	0.0	85.0	417.0	500.0	0.0		16604.76	300.0	0.0	80.0	400.0	480.0
TF	ERNNY	FLY_BY	0.0		16604.76	300.0	0.0	80.0	400.0	480.0	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0
TF	PAPPI	FLY_BY	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0
TF	TUBEZ	FLY_BY	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0	0.0		11069.0	300.0	0.0	69.0	365.0	434.0
TF	VULCN	FLY_BY	0.0		11069.0	300.0	0.0	69.0	365.0	434.0	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0
TF	KURKK	FLY_BY	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0
TF	BAMBB	FLY_OVER	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

OBSTR:WYNDE:KORD:RW04L 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
OBSTR	CSTLO	26-002937	AVNII	2C (+-50/+20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	P	1000.0		3048	3048.0	06-Oct-2015 11:48:57
CSTLO	VIO	26-001442	AVNII	5D (+-500/+50)	N43° 01' 10.00"	W085° 20' 58.00"	1349.0	false	P	1000.0		2349	2349.0	06-Oct-2015 11:46:05
VIO	WLTER	26-001372	AVNII	5D (+-500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
WLTER	RHIVR	26-001549	AVNII	5D (+-500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+-250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	VULCN	TerrainPt_11_EMMMA:WYNDE: KORD:RW04L_TUBEZ:VULCN		4E (+-250/+125)	N42° 06' 42.00"	W087° 49' 03.00"	715.22	false	P	1000.0		1916	1915.22	08-Oct-2015 15:32:50
VULCN	KURKK	17-001986	AVNII	1B (+-20/+10)	N42° 03' 33.81"	W087° 51' 45.32"	1027.0	false	P	1000.0		2027	2027.0	06-Oct-2015 11:44:14
KURKK	BAMBB	TerrainPt_43_EMMMA:WYNDE: KORD:RW04L_KURKK:BAMBB		4E (+-250/+125)	N42° 07' 27.00"	W088° 14' 15.00"	948.16	false	P	1000.0		2149	2148.16	08-Oct-2015 15:32:50

OBSTR:WYNDE:KORD:RW04L Criteria Failures

No failures.

Route Evaluation for OBSTR:WYNDE:KORD:RW10B

OBSTR:WYNDE:KORD:RW10B 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	OBSTR						0.0	0.0
TF	CSTLO	FLY_BY				0.0	31.65	1.0
TF	VIO	FLY_BY				63.7	24.23	20.0
TF	WLTER	FLY_BY				0.0	25.22	20.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.38
TF	PAPPI	FLY_BY				0.2	5.25	3.38
TF	TUBEZ	FLY_BY				23.69	6.78	3.04
TF	MONKZ	FLY_BY				75.91	18.35	6.22
TF	JORJO	FLY_BY				2.53	8.37	3.17
TF	POSSM_	FLY_OVER					12.86	1.0
FM							0.0	0.0

WYNDE RNAV

OBSTR:WYNDE:KORD:RW10B 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	OBSTR				0.0	0.0							0.0	0.0				
TF	CSTLO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	20.0	32.19	40488.27	300.0	8.0	127.0	622.0	570.0
TF	WLTER	FLY_BY	20.0	32.19	40488.27	300.0	8.0	127.0	622.0	570.0	0.0		34182.36	300.0	0.0	115.0	548.0	570.0
TF	RHIVR	FLY_BY	0.0		34182.36	300.0	0.0	115.0	548.0	570.0	0.0		31678.3	300.0	0.0	110.0	523.0	570.0
TF	PAITN	FLY_BY	0.0		31678.3	300.0	0.0	110.0	523.0	570.0	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0
TF	WYNDE	FLY_BY	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0	0.0		21931.23	300.0	0.0	90.0	438.0	505.0
TF	FIYER	FLY_BY	0.0		21931.23	300.0	0.0	90.0	438.0	505.0	0.0		19431.22	300.0	0.0	85.0	419.0	500.0
TF	ERNNY	FLY_BY	0.0		19431.22	300.0	0.0	85.0	419.0	500.0	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0
TF	PAPPI	FLY_BY	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0
TF	TUBEZ	FLY_BY	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0
TF	MONKZ	FLY_BY	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0
TF	JORJO	FLY_BY	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0
TF	POSSM_	FLY_OVER	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

OBSTR:WYNDE:KORD:RW10B 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
OBSTR	CSTLO	26-002937	AVNII	2C (+-50/+20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	P	1000.0		3048	3048.0	06-Oct-2015 11:48:57
CSTLO	VIO	26-001442	AVNII	5D (+-500/+50)	N43° 01' 10.00"	W085° 20' 58.00"	1349.0	false	P	1000.0		2349	2349.0	06-Oct-2015 11:46:05
VIO	WLTER	26-001372	AVNII	5D (+-500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
WLTER	RHIVR	26-001549	AVNII	5D (+-500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE:KORD:RW04L_RHIVR:PAITN		4E (+-250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	MONKZ	17-000636	AVNII	5D (+-500/+50)	N41° 56' 18.00"	W087° 45' 05.00"	1143.0	false	P	1000.0		2143	2143.0	06-Oct-2015 11:45:33
MONKZ	JORJO	17-002968	AVNII	5D (+-500/+50)	N41° 52' 08.00"	W087° 54' 55.00"	1145.0	false	P	1000.0		2145	2145.0	06-Oct-2015 11:45:34
JORJO	POSSM_	KDPAT001231	AVNII	1B (+-20/+10)	N41° 52' 12.45"	W088° 17' 54.28"	1161.0	false	P	1000.0		2161	2161.0	06-Oct-2015 11:43:01

OBSTR:WYNDE:KORD:RW10B Criteria Failures

No failures.

Route Evaluation for ODAXY:WYNDE:KORD:RW04L

ODAXY:WYNDE:KORD:RW04L 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	ODAXY						0.0	0.0
TF	GAULT	FLY_BY				54.04	87.91	20.0
TF	OBSTR	FLY_BY				0.0	23.5	20.0
TF	CSTLO	FLY_BY				0.0	31.65	1.0
TF	VIO	FLY_BY				63.7	24.23	20.0
TF	WLTER	FLY_BY				0.0	25.22	20.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.06
TF	PAPPI	FLY_BY				0.2	5.25	3.06
TF	TUBEZ	FLY_BY				0.0	6.78	1.0
TF	VULCN	FLY_BY				52.2	6.78	2.01
TF	KURKK	FLY_BY				0.13	10.41	2.01
TF	BAMBB	FLY_OVER					11.09	1.0
FM							0.0	0.0

WYNDE RNAV

ODAXY:WYNDE:KORD:RW04L 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 Airsfd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airsfd	DTA2 vGround
IF	ODAXY				0.0	0.0							0.0	0.0				
TF	GAULT	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	20.0	39.22	41000.0	300.0	7.0	128.0	629.0	570.0
TF	OBSTR	FLY_BY	20.0	39.22	41000.0	300.0	7.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	CSTLO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	20.0	32.19	37661.8	300.0	8.0	122.0	587.0	570.0
TF	WLTER	FLY_BY	20.0	32.19	37661.8	300.0	8.0	122.0	587.0	570.0	0.0		31355.89	300.0	0.0	109.0	519.0	570.0
TF	RHIVR	FLY_BY	0.0		31355.89	300.0	0.0	109.0	519.0	570.0	0.0		28851.84	300.0	0.0	104.0	496.0	570.0
TF	PAITN	FLY_BY	0.0		28851.84	300.0	0.0	104.0	496.0	570.0	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0
TF	WYNDE	FLY_BY	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0	0.0		19104.76	300.0	0.0	85.0	417.0	500.0
TF	FIYER	FLY_BY	0.0		19104.76	300.0	0.0	85.0	417.0	500.0	0.0		16604.76	300.0	0.0	80.0	400.0	480.0
TF	ERNNY	FLY_BY	0.0		16604.76	300.0	0.0	80.0	400.0	480.0	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0
TF	PAPPI	FLY_BY	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0
TF	TUBEZ	FLY_BY	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0	0.0		11069.0	300.0	0.0	69.0	365.0	434.0
TF	VULCN	FLY_BY	0.0		11069.0	300.0	0.0	69.0	365.0	434.0	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0
TF	KURKK	FLY_BY	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0
TF	BAMBB	FLY_OVER	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

ODAXY:WYNDE:KORD:RW04L 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
ODAXY	GAULT	26-002309	AVNII	5D (+-500/+50)	N44° 17' 55.05"	W084° 24' 05.16"	2044.0	false	P	1000.0		3044	3044.0	06-Oct-2015 11:46:13
GAULT	OBSTR	26-002937	AVNII	2C (+50/+20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	P	1000.0		3048	3048.0	06-Oct-2015 11:48:57
OBSTR	CSTLO	26-002937	AVNII	2C (+50/+20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	S			3048		06-Oct-2015 11:48:57
CSTLO	VIO	26-001442	AVNII	5D (+-500/+50)	N43° 01' 10.00"	W085° 20' 58.00"	1349.0	false	P	1000.0		2349	2349.0	06-Oct-2015 11:46:05
VIO	WLTER	26-001372	AVNII	5D (+-500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
WLTER	RHIVR	26-001549	AVNII	5D (+-500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE:KORD:RW04L_RHIVR:PAITN		4E (+-250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	VULCN	TerrainPt_11_EMMMA:WYNDE:KORD:RW04L_TUBEZ:VULCN		4E (+-250/+125)	N42° 06' 42.00"	W087° 49' 03.00"	715.22	false	P	1000.0		1916	1915.22	08-Oct-2015 15:32:50
VULCN	KURKK	17-001986	AVNII	1B (+20/+10)	N42° 03' 33.81"	W087° 51' 45.32"	1027.0	false	P	1000.0		2027	2027.0	06-Oct-2015 11:44:14
KURKK	BAMBB	TerrainPt_43_EMMMA:WYNDE:KORD:RW04L_KURKK:BAMBB		4E (+-250/+125)	N42° 07' 27.00"	W088° 14' 15.00"	948.16	false	P	1000.0		2149	2148.16	08-Oct-2015 15:32:50

ODAXY:WYNDE:KORD:RW04L Criteria Failures

No failures.

Route Evaluation for ODAXY:WYNDE:KORD:RW10B

ODAXY:WYNDE:KORD:RW10B 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	ODAXY						0.0	0.0
TF	GAULT	FLY_BY				54.04	87.91	20.0
TF	OBSTR	FLY_BY				0.0	23.5	20.0
TF	CSTLO	FLY_BY				0.0	31.65	1.0
TF	VIO	FLY_BY				63.7	24.23	20.0
TF	WLTER	FLY_BY				0.0	25.22	20.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.38
TF	PAPPI	FLY_BY				0.2	5.25	3.38
TF	TUBEZ	FLY_BY				23.69	6.78	3.04
TF	MONKZ	FLY_BY				75.91	18.35	6.22
TF	JORJO	FLY_BY				2.53	8.37	3.17
TF	POSSM_	FLY_OVER					12.86	1.0
FM							0.0	0.0

WYNDE RNAV

ODAXY:WYNDE:KORD:RW10B 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	ODAXY				0.0	0.0							0.0	0.0				
TF	GAULT	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	20.0	39.22	41000.0	300.0	7.0	128.0	629.0	570.0
TF	OBSTR	FLY_BY	20.0	39.22	41000.0	300.0	7.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	CSTLO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	20.0	32.19	40488.27	300.0	8.0	127.0	622.0	570.0
TF	WLTER	FLY_BY	20.0	32.19	40488.27	300.0	8.0	127.0	622.0	570.0	0.0		34182.36	300.0	0.0	115.0	548.0	570.0
TF	RHIVR	FLY_BY	0.0		34182.36	300.0	0.0	115.0	548.0	570.0	0.0		31678.3	300.0	0.0	110.0	523.0	570.0
TF	PAITN	FLY_BY	0.0		31678.3	300.0	0.0	110.0	523.0	570.0	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0
TF	WYNDE	FLY_BY	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0	0.0		21931.23	300.0	0.0	90.0	438.0	505.0
TF	FIYER	FLY_BY	0.0		21931.23	300.0	0.0	90.0	438.0	505.0	0.0		19431.22	300.0	0.0	85.0	419.0	500.0
TF	ERNNY	FLY_BY	0.0		19431.22	300.0	0.0	85.0	419.0	500.0	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0
TF	PAPPI	FLY_BY	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0
TF	TUBEZ	FLY_BY	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0
TF	MONKZ	FLY_BY	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0
TF	JORJO	FLY_BY	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0
TF	POSSM	FLY_OVER	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

ODAXY:WYNDE:KORD:RW10B 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
ODAXY	GAULT	26-002309	AVNII	5D (+- 500/+50)	N44° 17' 55.05"	W084° 24' 05.16"	2044.0	false	P	1000.0		3044	3044.0	06-Oct-2015 11:46:13
GAULT	OBSTR	26-002937	AVNII	2C (+50/+20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	P	1000.0		3048	3048.0	06-Oct-2015 11:48:57
OBSTR	CSTLO	26-002937	AVNII	2C (+50/+20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	S			3048		06-Oct-2015 11:48:57
CSTLO	VIO	26-001442	AVNII	5D (+- 500/+50)	N43° 01' 10.00"	W085° 20' 58.00"	1349.0	false	P	1000.0		2349	2349.0	06-Oct-2015 11:46:05
VIO	WLTER	26-001372	AVNII	5D (+- 500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
WLTER	RHIVR	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+- 250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	MONKZ	17-000636	AVNII	5D (+- 500/+50)	N41° 56' 18.00"	W087° 45' 05.00"	1143.0	false	P	1000.0		2143	2143.0	06-Oct-2015 11:45:33
MONKZ	JORJO	17-002968	AVNII	5D (+- 500/+50)	N41° 52' 08.00"	W087° 54' 55.00"	1145.0	false	P	1000.0		2145	2145.0	06-Oct-2015 11:45:34
JORJO	POSSM_	KDPAT001231	AVNII	1B (+20/+10)	N41° 52' 12.45"	W088° 17' 54.28"	1161.0	false	P	1000.0		2161	2161.0	06-Oct-2015 11:43:01

ODAXY:WYNDE:KORD:RW10B Criteria Failures

No failures.

Route Evaluation for PMM:WYNDE:KORD:RW04L

PMM:WYNDE:KORD:RW04L 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	PMM						0.0	0.0
TF	PAITN	FLY_BY				31.56	28.0	12.82
TF	WYNDE	FLY_BY				0.01	18.32	12.82
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.06
TF	PAPPI	FLY_BY				0.2	5.25	3.06
TF	TUBEZ	FLY_BY				0.0	6.78	1.0
TF	VULCN	FLY_BY				52.2	6.78	2.01
TF	KURKK	FLY_BY				0.13	10.41	2.01
TF	BAMBB	FLY_OVER					11.09	1.0
FM							0.0	0.0

PMM:WYNDE:KORD:RW04L 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	PMM				0.0	0.0							0.0	0.0				
TF	PAITN	FLY_BY	0.0		30685.25	300.0	0.0	108.0	513.0	570.0	12.82	45.38	23685.25	300.0	5.0	94.0	451.0	522.0
TF	WYNDE	FLY_BY	12.82	45.38	23685.25	300.0	5.0	94.0	451.0	522.0	0.0		19104.76	300.0	0.0	85.0	417.0	500.0
TF	FIYER	FLY_BY	0.0		19104.76	300.0	0.0	85.0	417.0	500.0	0.0		16604.76	300.0	0.0	80.0	400.0	480.0
TF	ERNNY	FLY_BY	0.0		16604.76	300.0	0.0	80.0	400.0	480.0	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0
TF	PAPPI	FLY_BY	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0
TF	TUBEZ	FLY_BY	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0	0.0		11069.0	300.0	0.0	69.0	365.0	434.0
TF	VULCN	FLY_BY	0.0		11069.0	300.0	0.0	69.0	365.0	434.0	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0
TF	KURKK	FLY_BY	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0
TF	BAMBB	FLY_OVER	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

PMM:WYNDE:KORD:RW04L 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
PMM	PAITN	26-003032	AVNII	4D (+- 250/+50)	N42° 30' 21.00"	W086° 03' 18.00"	1169.0	false	P	1000.0		2169	2169.0	06-Oct-2015 11:42:53
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	VULCN	TerrainPt_11_EMMMA:WYNDE: KORD:RW04L_TUBEZ:VULCN		4E (+- 250/+125)	N42° 06' 42.00"	W087° 49' 03.00"	715.22	false	P	1000.0		1916	1915.22	08-Oct-2015 15:32:50
VULCN	KURKK	17-001986	AVNII	1B (+20/+ 10)	N42° 03' 33.81"	W087° 51' 45.32"	1027.0	false	P	1000.0		2027	2027.0	06-Oct-2015 11:44:14
KURKK	BAMBB	TerrainPt_43_EMMMA:WYNDE: KORD:RW04L_KURKK:BAMBB		4E (+- 250/+125)	N42° 07' 27.00"	W088° 14' 15.00"	948.16	false	P	1000.0		2149	2148.16	08-Oct-2015 15:32:50

PMM:WYNDE:KORD:RW04L Criteria Failures

No failures.

Route Evaluation for PMM:WYNDE:KORD:RW10B

PMM:WYNDE:KORD:RW10B 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	PMM						0.0	0.0
TF	PAITN	FLY_BY				31.56	28.0	14.29
TF	WYNDE	FLY_BY				0.01	18.32	14.29
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.38
TF	PAPPI	FLY_BY				0.2	5.25	3.38
TF	TUBEZ	FLY_BY				23.69	6.78	3.04
TF	MONKZ	FLY_BY				75.91	18.35	6.22
TF	JORJO	FLY_BY				2.53	8.37	3.17
TF	POSSM_	FLY_OVER					12.86	1.0
FM							0.0	0.0

PMM:WYNDE:KORD:RW10B 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	PMM				0.0	0.0							0.0	0.0				
TF	PAITN	FLY_BY	0.0		33511.71	300.0	0.0	113.0	541.0	570.0	14.29	50.57	26511.71	300.0	5.0	99.0	475.0	551.0
TF	WYNDE	FLY_BY	14.29	50.57	26511.71	300.0	5.0	99.0	475.0	551.0	0.0		21931.23	300.0	0.0	90.0	438.0	505.0
TF	FIYER	FLY_BY	0.0		21931.23	300.0	0.0	90.0	438.0	505.0	0.0		19431.22	300.0	0.0	85.0	419.0	500.0
TF	ERNNY	FLY_BY	0.0		19431.22	300.0	0.0	85.0	419.0	500.0	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0
TF	PAPPI	FLY_BY	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0
TF	TUBEZ	FLY_BY	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0
TF	MONKZ	FLY_BY	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0
TF	JORJO	FLY_BY	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0
TF	POSSM_	FLY_OVER	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

PMM:WYNDE:KORD:RW10B 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
PMM	PAITN	26-003032	AVNII	4D (+- 250/+50)	N42° 30' 21.00"	W086° 03' 18.00"	1169.0	false	P	1000.0		2169	2169.0	06-Oct-2015 11:42:53
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	MONKZ	17-000636	AVNII	5D (+- 500/+50)	N41° 56' 18.00"	W087° 45' 05.00"	1143.0	false	P	1000.0		2143	2143.0	06-Oct-2015 11:45:33
MONKZ	JORJO	17-002968	AVNII	5D (+- 500/+50)	N41° 52' 08.00"	W087° 54' 55.00"	1145.0	false	P	1000.0		2145	2145.0	06-Oct-2015 11:45:34
JORJO	POSSM_	KDPAT001231	AVNII	1B (+20/+ 10)	N41° 52' 12.45"	W088° 17' 54.28"	1161.0	false	P	1000.0		2161	2161.0	06-Oct-2015 11:43:01

PMM:WYNDE:KORD:RW10B Criteria Failures

No failures.

Route Evaluation for SSM:WYNDE:KORD:RW04L

SSM:WYNDE:KORD:RW04L 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	SSM						0.0	0.0
TF	JODEE	FLY_BY				0.0	69.92	1.0
TF	GAULT	FLY_BY				0.01	74.04	1.0
TF	OBSTR	FLY_BY				0.0	23.5	1.0
TF	CSTLO	FLY_BY				0.0	31.65	1.0
TF	VIO	FLY_BY				63.7	24.23	20.0
TF	WALTER	FLY_BY				0.0	25.22	20.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.06
TF	PAPPI	FLY_BY				0.2	5.25	3.06
TF	TUBEZ	FLY_BY				0.0	6.78	1.0
TF	VULCN	FLY_BY				52.2	6.78	2.01
TF	KURKK	FLY_BY				0.13	10.41	2.01
TF	BAMBB	FLY_OVER					11.09	1.0
FM							0.0	0.0

WYNDE RNAV

SSM:WYNDE:KORD:RW04L 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	SSM				0.0	0.0							0.0	0.0				
TF	JODEE	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	GAULT	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	OBSTR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	CSTLO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	20.0	32.19	37661.8	300.0	8.0	122.0	587.0	570.0
TF	WLTER	FLY_BY	20.0	32.19	37661.8	300.0	8.0	122.0	587.0	570.0	0.0		31355.89	300.0	0.0	109.0	519.0	570.0
TF	RHIVR	FLY_BY	0.0		31355.89	300.0	0.0	109.0	519.0	570.0	0.0		28851.84	300.0	0.0	104.0	496.0	570.0
TF	PAITN	FLY_BY	0.0		28851.84	300.0	0.0	104.0	496.0	570.0	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0
TF	WYNDE	FLY_BY	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0	0.0		19104.76	300.0	0.0	85.0	417.0	500.0
TF	FIYER	FLY_BY	0.0		19104.76	300.0	0.0	85.0	417.0	500.0	0.0		16604.76	300.0	0.0	80.0	400.0	480.0
TF	ERNNY	FLY_BY	0.0		16604.76	300.0	0.0	80.0	400.0	480.0	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0
TF	PAPPI	FLY_BY	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0
TF	TUBEZ	FLY_BY	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0	0.0		11069.0	300.0	0.0	69.0	365.0	434.0
TF	VULCN	FLY_BY	0.0		11069.0	300.0	0.0	69.0	365.0	434.0	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0
TF	KURKK	FLY_BY	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0
TF	BAMBB	FLY_OVER	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

SSM:WYNDE:KORD:RW04L 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
SSM	JODEE	26-000427	AVNII	5E (+- 500/+125)	N45° 15' 43.00"	W084° 45' 53.00"	1459.0	false	P	1000.0		2459	2459.0	06-Oct-2015 11:43:28
JODEE	GAULT	26-001587	AVNII	5D (+- 500/+50)	N45° 10' 14.00"	W084° 45' 05.00"	2168.0	false	P	1000.0		3168	3168.0	06-Oct-2015 11:43:28
GAULT	OBSTR	26-002937	AVNII	2C (+50/+ 20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	P	1000.0		3048	3048.0	06-Oct-2015 11:48:57
OBSTR	CSTLO	26-002937	AVNII	2C (+50/+ 20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	S			3048		06-Oct-2015 11:48:57
CSTLO	VIO	26-001442	AVNII	5D (+- 500/+50)	N43° 01' 10.00"	W085° 20' 58.00"	1349.0	false	P	1000.0		2349	2349.0	06-Oct-2015 11:46:05
VIO	WLTER	26-001372	AVNII	5D (+- 500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
WLTER	RHIVR	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+- 250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	VULCN	TerrainPt_11_EMMMA:WYNDE: KORD:RW04L_TUBEZ:VULCN		4E (+- 250/+125)	N42° 06' 42.00"	W087° 49' 03.00"	715.22	false	P	1000.0		1916	1915.22	08-Oct-2015 15:32:50
VULCN	KURKK	17-001986	AVNII	1B (+20/+ 10)	N42° 03' 33.81"	W087° 51' 45.32"	1027.0	false	P	1000.0		2027	2027.0	06-Oct-2015 11:44:14
KURKK	BAMBB	TerrainPt_43_EMMMA:WYNDE: KORD:RW04L_KURKK:BAMBB		4E (+- 250/+125)	N42° 07' 27.00"	W088° 14' 15.00"	948.16	false	P	1000.0		2149	2148.16	08-Oct-2015 15:32:50

SSM:WYNDE:KORD:RW04L Criteria Failures

No failures.

Route Evaluation for SSM:WYNDE:KORD:RW10B

SSM:WYNDE:KORD:RW10B 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	SSM						0.0	0.0
TF	JODEE	FLY_BY				0.0	69.92	1.0
TF	GAULT	FLY_BY				0.01	74.04	1.0
TF	OBSTR	FLY_BY				0.0	23.5	1.0
TF	CSTLO	FLY_BY				0.0	31.65	1.0
TF	VIO	FLY_BY				63.7	24.23	20.0
TF	WALTER	FLY_BY				0.0	25.22	20.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.38
TF	PAPPI	FLY_BY				0.2	5.25	3.38
TF	TUBEZ	FLY_BY				23.69	6.78	3.04
TF	MONKZ	FLY_BY				75.91	18.35	6.22
TF	JORJO	FLY_BY				2.53	8.37	3.17
TF	POSSM_	FLY_OVER					12.86	1.0
FM							0.0	0.0

WYNDE RNAV

SSM:WYNDE:KORD:RW10B 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	SSM				0.0	0.0							0.0	0.0				
TF	JODEE	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	GAULT	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	OBSTR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	CSTLO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0
TF	VIO	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	20.0	32.19	40488.27	300.0	8.0	127.0	622.0	570.0
TF	WLTER	FLY_BY	20.0	32.19	40488.27	300.0	8.0	127.0	622.0	570.0	0.0		34182.36	300.0	0.0	115.0	548.0	570.0
TF	RHIVR	FLY_BY	0.0		34182.36	300.0	0.0	115.0	548.0	570.0	0.0		31678.3	300.0	0.0	110.0	523.0	570.0
TF	PAITN	FLY_BY	0.0		31678.3	300.0	0.0	110.0	523.0	570.0	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0
TF	WYNDE	FLY_BY	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0	0.0		21931.23	300.0	0.0	90.0	438.0	505.0
TF	FIYER	FLY_BY	0.0		21931.23	300.0	0.0	90.0	438.0	505.0	0.0		19431.22	300.0	0.0	85.0	419.0	500.0
TF	ERNNY	FLY_BY	0.0		19431.22	300.0	0.0	85.0	419.0	500.0	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0
TF	PAPPI	FLY_BY	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0
TF	TUBEZ	FLY_BY	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0
TF	MONKZ	FLY_BY	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0
TF	JORJO	FLY_BY	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0
TF	POSSM	FLY_OVER	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

SSM:WYNDE:KORD:RW10B 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
SSM	JODEE	26-000427	AVNII	5E (+- 500/+125)	N45° 15' 43.00"	W084° 45' 53.00"	1459.0	false	P	1000.0		2459	2459.0	06-Oct-2015 11:43:28
JODEE	GAULT	26-001587	AVNII	5D (+- 500/+50)	N45° 10' 14.00"	W084° 45' 05.00"	2168.0	false	P	1000.0		3168	3168.0	06-Oct-2015 11:43:28
GAULT	OBSTR	26-002937	AVNII	2C (+50/+ 20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	P	1000.0		3048	3048.0	06-Oct-2015 11:48:57
OBSTR	CSTLO	26-002937	AVNII	2C (+50/+ 20)	N43° 45' 05.10"	W085° 12' 46.18"	2048.0	false	S			3048		06-Oct-2015 11:48:57
CSTLO	VIO	26-001442	AVNII	5D (+- 500/+50)	N43° 01' 10.00"	W085° 20' 58.00"	1349.0	false	P	1000.0		2349	2349.0	06-Oct-2015 11:46:05
VIO	WLTER	26-001372	AVNII	5D (+- 500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
WLTER	RHIVR	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+- 250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	MONKZ	17-000636	AVNII	5D (+- 500/+50)	N41° 56' 18.00"	W087° 45' 05.00"	1143.0	false	P	1000.0		2143	2143.0	06-Oct-2015 11:45:33
MONKZ	JORJO	17-002968	AVNII	5D (+- 500/+50)	N41° 52' 08.00"	W087° 54' 55.00"	1145.0	false	P	1000.0		2145	2145.0	06-Oct-2015 11:45:34
JORJO	POSSM_	KDPAT001231	AVNII	1B (+20/+ 10)	N41° 52' 12.45"	W088° 17' 54.28"	1161.0	false	P	1000.0		2161	2161.0	06-Oct-2015 11:43:01

SSM:WYNDE:KORD:RW10B Criteria Failures

No failures.

WYNDE RNAV

Route Evaluation for TVC:WYNDE:KORD:RW04L

TVC:WYNDE:KORD:RW04L 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	TVC		-24000.0				0.0	0.0
TF	PECOK	FLY_BY				0.01	40.29	1.0
TF	UFDUH	FLY_BY	-24000.0			0.02	18.16	1.0
TF	BITTR	FLY_BY				0.01	35.88	1.0
TF	WLTER	FLY_BY				65.8	26.52	20.0
TF	PAITN	FLY_BY				5.6	30.68	20.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.06
TF	PAPPI	FLY_BY				0.2	5.25	3.06
TF	TUBEZ	FLY_BY				0.0	6.78	1.0
TF	VULCN	FLY_BY				52.2	6.78	2.01
TF	KURKK	FLY_BY				0.13	10.41	2.01
TF	BAMBB	FLY_OVER					11.09	1.0
FM							0.0	0.0

WYNDE RNAV

TVC:WYNDE:KORD:RW04L 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	TVC				0.0	0.0							0.0	0.0				
TF	PECOK	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	0.0		24000.0	300.0	0.0	95.0	454.0	526.0
TF	UFDUH	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	0.0		24000.0	300.0	0.0	95.0	454.0	526.0
TF	BITTR	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	0.0		24000.0	300.0	0.0	95.0	454.0	526.0
TF	WLTER	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	20.0	30.91	24000.0	300.0	7.0	95.0	454.0	526.0
TF	PAITN	FLY_BY	20.0	30.91	24000.0	300.0	7.0	95.0	454.0	526.0	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0
TF	WYNDE	FLY_BY	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0	0.0		19104.76	300.0	0.0	85.0	417.0	500.0
TF	FIYER	FLY_BY	0.0		19104.76	300.0	0.0	85.0	417.0	500.0	0.0		16604.76	300.0	0.0	80.0	400.0	480.0
TF	ERNNY	FLY_BY	0.0		16604.76	300.0	0.0	80.0	400.0	480.0	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0
TF	PAPPI	FLY_BY	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0
TF	TUBEZ	FLY_BY	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0	0.0		11069.0	300.0	0.0	69.0	365.0	434.0
TF	VULCN	FLY_BY	0.0		11069.0	300.0	0.0	69.0	365.0	434.0	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0
TF	KURKK	FLY_BY	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0
TF	BAMBB	FLY_OVER	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

TVC:WYNDE:KORD:RW04L 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
TVC	PECOK	26-000204	AVNII	5E (+- 500/+125)	N44° 16' 33.00"	W085° 42' 49.00"	2549.0	false	P	1000.0		3549	3549.0	06-Oct-2015 11:48:47
PECOK	UFDUH	26-002241	AVNII	5D (+- 500/+50)	N44° 01' 29.00"	W085° 38' 20.00"	1593.0	false	P	1000.0		2593	2593.0	06-Oct-2015 11:48:51
UFDUH	BITTR	26-002926	AVNII	5D (+- 500/+50)	N43° 18' 35.40"	W085° 54' 44.80"	1847.0	false	P	1000.0		2847	2847.0	06-Oct-2015 11:44:58
BITTR	WLTER	26-001268	AVNII	5D (+- 500/+50)	N42° 57' 18.00"	W085° 54' 05.00"	1669.0	false	P	1000.0		2669	2669.0	06-Oct-2015 11:43:38
WLTER	PAITN	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	VULCN	TerrainPt_11_EMMMA:WYNDE: KORD:RW04L_TUBEZ:VULCN		4E (+- 250/+125)	N42° 06' 42.00"	W087° 49' 03.00"	715.22	false	P	1000.0		1916	1915.22	08-Oct-2015 15:32:50
VULCN	KURKK	17-001986	AVNII	1B (+-20/+ 10)	N42° 03' 33.81"	W087° 51' 45.32"	1027.0	false	P	1000.0		2027	2027.0	06-Oct-2015 11:44:14
KURKK	BAMBB	TerrainPt_43_EMMMA:WYNDE: KORD:RW04L_KURKK:BAMBB		4E (+- 250/+125)	N42° 07' 27.00"	W088° 14' 15.00"	948.16	false	P	1000.0		2149	2148.16	08-Oct-2015 15:32:50

TVC:WYNDE:KORD:RW04L Criteria Failures

No failures.

Route Evaluation for TVC:WYNDE:KORD:RW10B

TVC:WYNDE:KORD:RW10B 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	TVC		-24000.0				0.0	0.0
TF	PECOK	FLY_BY				0.01	40.29	1.0
TF	UFDUH	FLY_BY	-24000.0			0.02	18.16	1.0
TF	BITTR	FLY_BY				0.01	35.88	1.0
TF	WLTER	FLY_BY				65.8	26.52	20.0
TF	PAITN	FLY_BY				5.6	30.68	20.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.38
TF	PAPPI	FLY_BY				0.2	5.25	3.38
TF	TUBEZ	FLY_BY				23.69	6.78	3.04
TF	MONKZ	FLY_BY				75.91	18.35	6.22
TF	JORJO	FLY_BY				2.53	8.37	3.17
TF	POSSM_	FLY_OVER					12.86	1.0
FM							0.0	0.0

WYNDE RNAV

TVC:WYNDE:KORD:RW10B 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	TVC				0.0	0.0							0.0	0.0				
TF	PECOK	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	0.0		24000.0	300.0	0.0	95.0	454.0	526.0
TF	UFDUH	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	0.0		24000.0	300.0	0.0	95.0	454.0	526.0
TF	BITTR	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	0.0		24000.0	300.0	0.0	95.0	454.0	526.0
TF	WLTER	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	20.0	30.91	24000.0	300.0	7.0	95.0	454.0	526.0
TF	PAITN	FLY_BY	20.0	30.91	24000.0	300.0	7.0	95.0	454.0	526.0	2.25	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	WYNDE	FLY_BY	2.25	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	0.0		21931.23	300.0	0.0	90.0	438.0	505.0
TF	FIYER	FLY_BY	0.0		21931.23	300.0	0.0	90.0	438.0	505.0	0.0		19431.22	300.0	0.0	85.0	419.0	500.0
TF	ERNNY	FLY_BY	0.0		19431.22	300.0	0.0	85.0	419.0	500.0	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0
TF	PAPPI	FLY_BY	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0
TF	TUBEZ	FLY_BY	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0
TF	MONKZ	FLY_BY	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0
TF	JORJO	FLY_BY	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0
TF	POSSM_	FLY_OVER	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

TVC:WYNDE:KORD:RW10B 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
TVC	PECOK	26-000204	AVNII	5E (+- 500/+125)	N44° 16' 33.00"	W085° 42' 49.00"	2549.0	false	P	1000.0		3549	3549.0	06-Oct-2015 11:48:47
PECOK	UFDUH	26-002241	AVNII	5D (+- 500/+50)	N44° 01' 29.00"	W085° 38' 20.00"	1593.0	false	P	1000.0		2593	2593.0	06-Oct-2015 11:48:51
UFDUH	BITTR	26-002926	AVNII	5D (+- 500/+50)	N43° 18' 35.40"	W085° 54' 44.80"	1847.0	false	P	1000.0		2847	2847.0	06-Oct-2015 11:44:58
BITTR	WLTER	26-001268	AVNII	5D (+- 500/+50)	N42° 57' 18.00"	W085° 54' 05.00"	1669.0	false	P	1000.0		2669	2669.0	06-Oct-2015 11:43:38
WLTER	PAITN	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	MONKZ	17-000636	AVNII	5D (+- 500/+50)	N41° 56' 18.00"	W087° 45' 05.00"	1143.0	false	P	1000.0		2143	2143.0	06-Oct-2015 11:45:33
MONKZ	JORJO	17-002968	AVNII	5D (+- 500/+50)	N41° 52' 08.00"	W087° 54' 55.00"	1145.0	false	P	1000.0		2145	2145.0	06-Oct-2015 11:45:34
JORJO	POSSM_	KDPAT001231	AVNII	1B (+-20/+ 10)	N41° 52' 12.45"	W088° 17' 54.28"	1161.0	false	P	1000.0		2161	2161.0	06-Oct-2015 11:43:01

TVC:WYNDE:KORD:RW10B Criteria Failures

No failures.

Route Evaluation for UFDUH:WYNDE:KORD:RW04L

UFDUH:WYNDE:KORD:RW04L 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	UFDUH		-24000.0				0.0	0.0
TF	BITTR	FLY_BY				0.01	35.88	1.0
TF	WLTER	FLY_BY				65.8	26.52	20.0
TF	PAITN	FLY_BY				5.6	30.68	20.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.06
TF	PAPPI	FLY_BY				0.2	5.25	3.06
TF	TUBEZ	FLY_BY				0.0	6.78	1.0
TF	VULCN	FLY_BY				52.2	6.78	2.01
TF	KURKK	FLY_BY				0.13	10.41	2.01
TF	BAMBB	FLY_OVER					11.09	1.0
FM							0.0	0.0

UFDUH:WYNDE:KORD:RW04L 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	UFDUH				0.0	0.0							0.0	0.0				
TF	BITTR	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	0.0		24000.0	300.0	0.0	95.0	454.0	526.0
TF	WLTER	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	20.0	30.91	24000.0	300.0	7.0	95.0	454.0	526.0
TF	PAITN	FLY_BY	20.0	30.91	24000.0	300.0	7.0	95.0	454.0	526.0	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0
TF	WYNDE	FLY_BY	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0	0.0		19104.76	300.0	0.0	85.0	417.0	500.0
TF	FIYER	FLY_BY	0.0		19104.76	300.0	0.0	85.0	417.0	500.0	0.0		16604.76	300.0	0.0	80.0	400.0	480.0
TF	ERNNY	FLY_BY	0.0		16604.76	300.0	0.0	80.0	400.0	480.0	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0
TF	PAPPI	FLY_BY	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0
TF	TUBEZ	FLY_BY	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0	0.0		11069.0	300.0	0.0	69.0	365.0	434.0
TF	VULCN	FLY_BY	0.0		11069.0	300.0	0.0	69.0	365.0	434.0	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0
TF	KURKK	FLY_BY	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0
TF	BAMBB	FLY_OVER	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

UFDUH:WYNDE:KORD:RW04L 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
UFDUH	BITTR	26-002926	AVNII	5D (+- 500/+50)	N43° 18' 35.40"	W085° 54' 44.80"	1847.0	false	P	1000.0		2847	2847.0	06-Oct-2015 11:44:58
BITTR	WLTER	26-001268	AVNII	5D (+- 500/+50)	N42° 57' 18.00"	W085° 54' 05.00"	1669.0	false	P	1000.0		2669	2669.0	06-Oct-2015 11:43:38
WLTER	PAITN	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	VULCN	TerrainPt_11_EMMMA:WYNDE: KORD:RW04L_TUBEZ:VULCN		4E (+- 250/+125)	N42° 06' 42.00"	W087° 49' 03.00"	715.22	false	P	1000.0		1916	1915.22	08-Oct-2015 15:32:50
VULCN	KURKK	17-001986	AVNII	1B (+-20/+ 10)	N42° 03' 33.81"	W087° 51' 45.32"	1027.0	false	P	1000.0		2027	2027.0	06-Oct-2015 11:44:14
KURKK	BAMBB	TerrainPt_43_EMMMA:WYNDE: KORD:RW04L_KURKK:BAMBB		4E (+- 250/+125)	N42° 07' 27.00"	W088° 14' 15.00"	948.16	false	P	1000.0		2149	2148.16	08-Oct-2015 15:32:50

UFDUH:WYNDE:KORD:RW04L Criteria Failures

No failures.

Route Evaluation for UFDUH:WYNDE:KORD:RW10B

UFDUH:WYNDE:KORD:RW10B 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	UFDUH		-24000.0				0.0	0.0
TF	BITTR	FLY_BY				0.01	35.88	1.0
TF	WLTER	FLY_BY				65.8	26.52	20.0
TF	PAITN	FLY_BY				5.6	30.68	20.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.38
TF	PAPPI	FLY_BY				0.2	5.25	3.38
TF	TUBEZ	FLY_BY				23.69	6.78	3.04
TF	MONKZ	FLY_BY				75.91	18.35	6.22
TF	JORJO	FLY_BY				2.53	8.37	3.17
TF	POSSM_	FLY_OVER					12.86	1.0
FM							0.0	0.0

UFDUH:WYNDE:KORD:RW10B 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	UFDUH				0.0	0.0							0.0	0.0				
TF	BITTR	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	0.0		24000.0	300.0	0.0	95.0	454.0	526.0
TF	WLTER	FLY_BY	0.0		24000.0	300.0	0.0	95.0	454.0	526.0	20.0	30.91	24000.0	300.0	7.0	95.0	454.0	526.0
TF	PAITN	FLY_BY	20.0	30.91	24000.0	300.0	7.0	95.0	454.0	526.0	2.25	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	WYNDE	FLY_BY	2.25	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	0.0		21931.23	300.0	0.0	90.0	438.0	505.0
TF	FIYER	FLY_BY	0.0		21931.23	300.0	0.0	90.0	438.0	505.0	0.0		19431.22	300.0	0.0	85.0	419.0	500.0
TF	ERNNY	FLY_BY	0.0		19431.22	300.0	0.0	85.0	419.0	500.0	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0
TF	PAPPI	FLY_BY	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0
TF	TUBEZ	FLY_BY	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0
TF	MONKZ	FLY_BY	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0
TF	JORJO	FLY_BY	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0
TF	POSSM_	FLY_OVER	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

UFDUH:WYNDE:KORD:RW10B 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
UFDUH	BITTR	26-002926	AVNII	5D (+- 500/+50)	N43° 18' 35.40"	W085° 54' 44.80"	1847.0	false	P	1000.0		2847	2847.0	06-Oct-2015 11:44:58
BITTR	WLTER	26-001268	AVNII	5D (+- 500/+50)	N42° 57' 18.00"	W085° 54' 05.00"	1669.0	false	P	1000.0		2669	2669.0	06-Oct-2015 11:43:38
WLTER	PAITN	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	MONKZ	17-000636	AVNII	5D (+- 500/+50)	N41° 56' 18.00"	W087° 45' 05.00"	1143.0	false	P	1000.0		2143	2143.0	06-Oct-2015 11:45:33
MONKZ	JORJO	17-002968	AVNII	5D (+- 500/+50)	N41° 52' 08.00"	W087° 54' 55.00"	1145.0	false	P	1000.0		2145	2145.0	06-Oct-2015 11:45:34
JORJO	POSSM_	KDPAT001231	AVNII	1B (+-20/+ 10)	N41° 52' 12.45"	W088° 17' 54.28"	1161.0	false	P	1000.0		2161	2161.0	06-Oct-2015 11:43:01

UFDUH:WYNDE:KORD:RW10B Criteria Failures

No failures.

Route Evaluation for VIO:WYNDE:KORD:RW04L

VIO:WYNDE:KORD:RW04L 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	VIO						0.0	0.0
TF	DITCA	FLY_BY				0.0	9.99	1.0
TF	WLTER	FLY_BY				0.0	15.23	1.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.06
TF	PAPPI	FLY_BY				0.2	5.25	3.06
TF	TUBEZ	FLY_BY				0.0	6.78	1.0
TF	VULCN	FLY_BY				52.2	6.78	2.01
TF	KURKK	FLY_BY				0.13	10.41	2.01
TF	BAMBB	FLY_OVER					11.09	1.0
FM							0.0	0.0

VIO:WYNDE:KORD:RW04L 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	VIO				0.0	0.0							0.0	0.0				
TF	DITCA	FLY_BY	0.0		37661.8	300.0	0.0	122.0	587.0	570.0	0.0		35164.34	300.0	0.0	117.0	559.0	570.0
TF	WLTER	FLY_BY	0.0		35164.34	300.0	0.0	117.0	559.0	570.0	0.0		31355.89	300.0	0.0	109.0	519.0	570.0
TF	RHIVR	FLY_BY	0.0		31355.89	300.0	0.0	109.0	519.0	570.0	0.0		28851.84	300.0	0.0	104.0	496.0	570.0
TF	PAITN	FLY_BY	0.0		28851.84	300.0	0.0	104.0	496.0	570.0	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0
TF	WYNDE	FLY_BY	2.22	45.38	23685.25	300.0	5.0	94.0	451.0	522.0	0.0		19104.76	300.0	0.0	85.0	417.0	500.0
TF	FIYER	FLY_BY	0.0		19104.76	300.0	0.0	85.0	417.0	500.0	0.0		16604.76	300.0	0.0	80.0	400.0	480.0
TF	ERNNY	FLY_BY	0.0		16604.76	300.0	0.0	80.0	400.0	480.0	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0
TF	PAPPI	FLY_BY	3.06	10.97	14076.11	300.0	15.58	75.0	383.0	458.0	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0
TF	TUBEZ	FLY_BY	0.29	166.8	12763.42	300.0	1.0	72.0	375.0	447.0	0.0		11069.0	300.0	0.0	69.0	365.0	434.0
TF	VULCN	FLY_BY	0.0		11069.0	300.0	0.0	69.0	365.0	434.0	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0
TF	KURKK	FLY_BY	2.01	4.1	9374.02	250.0	25.0	66.0	296.0	362.0	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0
TF	BAMBB	FLY_OVER	0.11	98.79	6771.6	250.0	1.0	60.0	284.0	344.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

VIO:WYNDE:KORD:RW04L 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
VIO	DITCA	26-001372	AVNII	5D (+- 500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
DITCA	WLTER	26-001121	AVNII	2C (+50/+ 20)	N42° 42' 50.98"	W085° 44' 28.12"	1059.0	false	P	1000.0		2059	2059.0	06-Oct-2015 11:43:41
WLTER	RHIVR	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+- 250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	VULCN	TerrainPt_11_EMMMA:WYNDE: KORD:RW04L_TUBEZ:VULCN		4E (+- 250/+125)	N42° 06' 42.00"	W087° 49' 03.00"	715.22	false	P	1000.0		1916	1915.22	08-Oct-2015 15:32:50
VULCN	KURKK	17-001986	AVNII	1B (+20/+ 10)	N42° 03' 33.81"	W087° 51' 45.32"	1027.0	false	P	1000.0		2027	2027.0	06-Oct-2015 11:44:14
KURKK	BAMBB	TerrainPt_43_EMMMA:WYNDE: KORD:RW04L_KURKK:BAMBB		4E (+- 250/+125)	N42° 07' 27.00"	W088° 14' 15.00"	948.16	false	P	1000.0		2149	2148.16	08-Oct-2015 15:32:50

VIO:WYNDE:KORD:RW04L Criteria Failures

No failures.

Route Evaluation for VIO:WYNDE:KORD:RW10B

VIO:WYNDE:KORD:RW10B 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	VIO						0.0	0.0
TF	DITCA	FLY_BY				0.0	9.99	1.0
TF	WLTER	FLY_BY				0.0	15.23	1.0
TF	RHIVR	FLY_BY				0.01	10.02	1.0
TF	PAITN	FLY_BY				5.61	20.67	1.0
TF	WYNDE	FLY_BY				0.01	18.32	1.0
TF	FIYER	FLY_BY				0.0	10.0	1.0
TF	ERNNY	FLY_BY				31.15	10.11	3.38
TF	PAPPI	FLY_BY				0.2	5.25	3.38
TF	TUBEZ	FLY_BY				23.69	6.78	3.04
TF	MONKZ	FLY_BY				75.91	18.35	6.22
TF	JORJO	FLY_BY				2.53	8.37	3.17
TF	POSSM_	FLY_OVER					12.86	1.0
FM							0.0	0.0

VIO:WYNDE:KORD:RW10B 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	VIO				0.0	0.0							0.0	0.0				
TF	DITCA	FLY_BY	0.0		40488.27	300.0	0.0	127.0	622.0	570.0	0.0		37990.8	300.0	0.0	122.0	591.0	570.0
TF	WLTER	FLY_BY	0.0		37990.8	300.0	0.0	122.0	591.0	570.0	0.0		34182.36	300.0	0.0	115.0	548.0	570.0
TF	RHIVR	FLY_BY	0.0		34182.36	300.0	0.0	115.0	548.0	570.0	0.0		31678.3	300.0	0.0	110.0	523.0	570.0
TF	PAITN	FLY_BY	0.0		31678.3	300.0	0.0	110.0	523.0	570.0	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0
TF	WYNDE	FLY_BY	2.48	50.57	26511.71	300.0	5.0	99.0	475.0	551.0	0.0		21931.23	300.0	0.0	90.0	438.0	505.0
TF	FIYER	FLY_BY	0.0		21931.23	300.0	0.0	90.0	438.0	505.0	0.0		19431.22	300.0	0.0	85.0	419.0	500.0
TF	ERNNY	FLY_BY	0.0		19431.22	300.0	0.0	85.0	419.0	500.0	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0
TF	PAPPI	FLY_BY	3.38	12.14	16902.58	300.0	15.58	80.0	402.0	482.0	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0
TF	TUBEZ	FLY_BY	0.32	185.2	15589.88	300.0	1.0	78.0	393.0	471.0	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0
TF	MONKZ	FLY_BY	3.04	14.51	13895.46	300.0	11.84	75.0	382.0	457.0	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0
TF	JORJO	FLY_BY	3.17	4.07	9307.41	250.0	25.0	65.0	296.0	361.0	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0
TF	POSSM_	FLY_OVER	1.75	79.45	7215.0	250.0	1.27	61.0	286.0	347.0	0.0		4000.0	250.0	0.0	55.0	272.0	327.0
FM			0.0		4000.0	250.0	0.0	55.0	272.0	327.0			0.0	0.0				

WYNDE RNAV

VIO:WYNDE:KORD:RW10B 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
VIO	DITCA	26-001372	AVNII	5D (+- 500/+50)	N42° 44' 14.00"	W085° 37' 16.00"	1460.0	false	P	1000.0		2460	2460.0	06-Oct-2015 11:44:18
DITCA	WLTER	26-001121	AVNII	2C (+50/+ 20)	N42° 42' 50.98"	W085° 44' 28.12"	1059.0	false	P	1000.0		2059	2059.0	06-Oct-2015 11:43:41
WLTER	RHIVR	26-001549	AVNII	5D (+- 500/+50)	N42° 36' 40.00"	W086° 07' 55.00"	1038.0	false	P	1000.0		2038	2038.0	06-Oct-2015 11:42:53
RHIVR	PAITN	TerrainPt_25_EMMMA:WYNDE: KORD:RW04L_RHIVR:PAITN		4E (+- 250/+125)	N42° 36' 15.00"	W086° 12' 48.00"	731.63	false	P	1000.0		1932	1931.63	08-Oct-2015 15:32:50
PAITN	WYNDE	SHIP5	UDO	9I (UNK/UNK)	N42° 29' 21.53"	W087° 00' 29.97"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:33:10
WYNDE	FIYER	SHIP4	UDO	9I (UNK/UNK)	N42° 25' 49.81"	W087° 13' 31.05"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:59
FIYER	ERNNY	SHIP3	UDO	9I (UNK/UNK)	N42° 22' 23.48"	W087° 25' 41.91"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:44
ERNNY	PAPPI	SHIP2	UDO	9I (UNK/UNK)	N42° 18' 20.90"	W087° 34' 48.16"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:33
PAPPI	TUBEZ	SHIP1	UDO	9I (UNK/UNK)	N42° 14' 23.60"	W087° 39' 50.27"	780.0	false	P	1000.0		2780	1780.0	04-Feb-2015 09:32:12
TUBEZ	MONKZ	17-000636	AVNII	5D (+- 500/+50)	N41° 56' 18.00"	W087° 45' 05.00"	1143.0	false	P	1000.0		2143	2143.0	06-Oct-2015 11:45:33
MONKZ	JORJO	17-002968	AVNII	5D (+- 500/+50)	N41° 52' 08.00"	W087° 54' 55.00"	1145.0	false	P	1000.0		2145	2145.0	06-Oct-2015 11:45:34
JORJO	POSSM_	KDPAT001231	AVNII	1B (+20/+ 10)	N41° 52' 12.45"	W088° 17' 54.28"	1161.0	false	P	1000.0		2161	2161.0	06-Oct-2015 11:43:01

VIO:WYNDE:KORD:RW10B Criteria Failures

No failures.

Evaluation Input

Name:	RS Results WYNDE
Project:	ORD STAR WYNDE 20151008
Last evaluated:	08-Oct-2015 15:09:47
Evaluated obstacles?:	true
Obstacle Database:	AVNII
Evaluated terrain?:	true
Worst Case Vegetation Height (ft) AGL:	0

WYNDE RNAV

Terrain Information

Terrain Extractor Name	Extractor Location	Extractor Type	Resolution
(unset name)	C:\Users\Scott CTR Enander\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
Tiled AVNII	N/A
OEAAA	N/A
NFDC	08/20/2015
IFP_OFFLINE	N/A
AVNIS	10/08/2015
DOF	09/17/2015
AVNII_OFFLINE	N/A
AVNII	10/08/2015
CIFP	09/17/2015

Notes: