

FRITR

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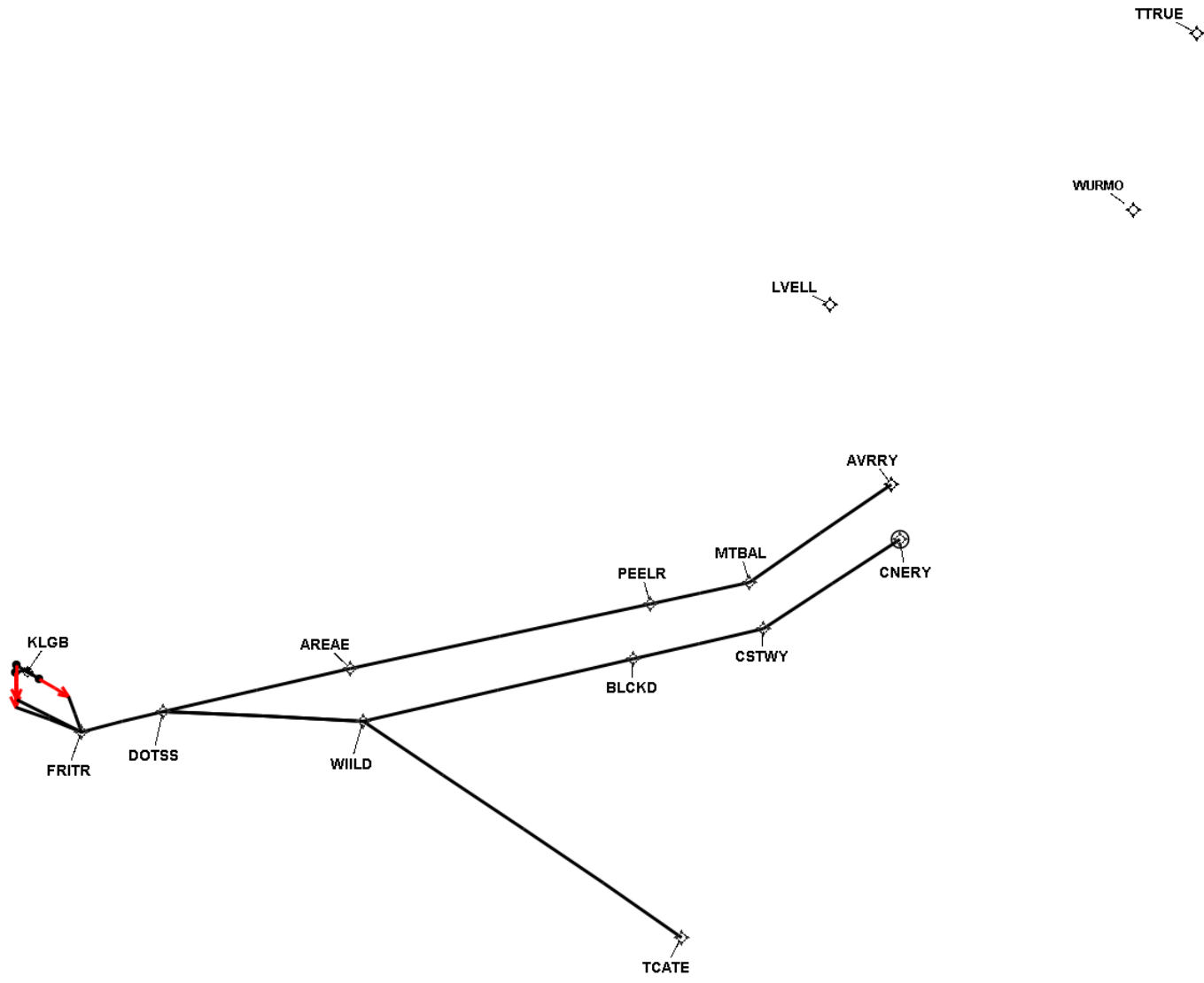
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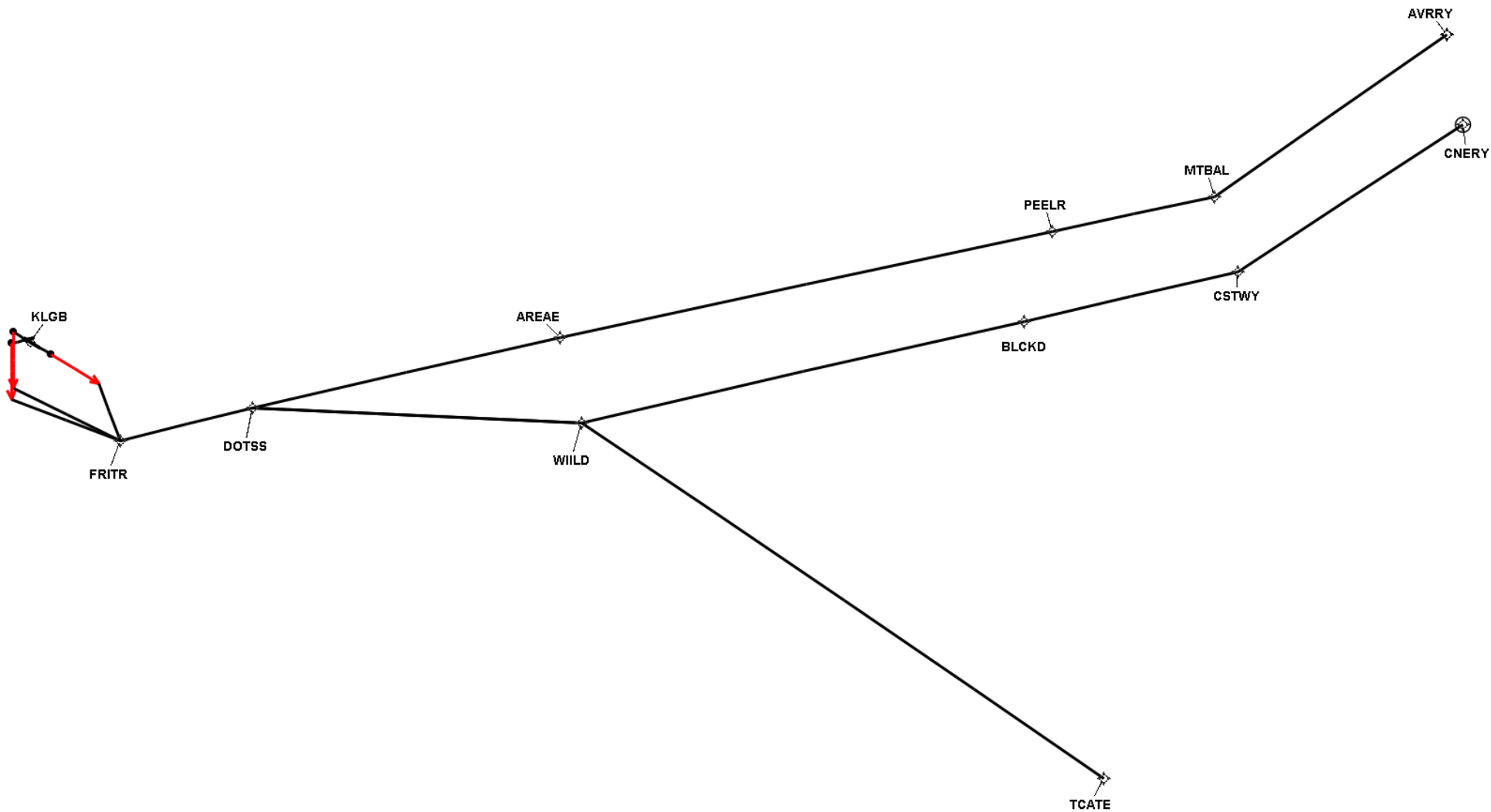
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Runway Transition Data - RW12

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	DER RW12	N33 48 24.71	W118 08 17.31												
					VA	134.72	120.72	1.15	+600						
					VM	134.73	120.73								
	FRITR WP	N33 38 40.57	W118 02 19.75	FB	DF			5.42							

Runway Transition Data - RW25R

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	DER RW25R	N33 49 21.91	W118 09 48.67												
					VA	270.20	256.20	1.05	+580						
					VM	194.00	180.00								
	FRITR WP	N33 38 40.57	W118 02 19.75	FB	DF			10.30							

Runway Transition Data - RW30

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	DER RW30	N33 49 34.32	W118 09 41.52												
					VA	314.73	300.73	2.88	+1500						
					VM	194.00	180.00								
	FRITR WP	N33 38 40.57	W118 02 19.75	FB	DF			12.38							

Common Route Data - FRITR CR

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)
	FRITR WP	N33 38 40.57	W118 02 19.75		IF										
	DOTSS WP	N33 38 38.78	W117 47 43.02	FB	TF	90.07	76.07	12.20			5000				

En Route Transition Data - AVRRY

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)
	DOTSS WP	N33 38 38.78	W117 47 43.02		IF										
	AREAE WP	N33 38 03.92	W117 14 01.10	FB	TF	91.03	77.03	28.14			7700				
	PEELR WP	N33 36 39.62	W116 20 12.96	FB	TF	91.54	77.54	44.95			15000				
	MTBAL WP	N33 36 11.93	W116 02 32.30	FB	TF	91.71	77.71	14.77			15000				
	AVRRY WP	N33 45 07.35	W115 34 14.56	FB	TF	69.20	55.20	25.24			15000				

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En Route Transition Data - CNERY

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)
	DOTSS WP	N33 38 38.78	W117 47 43.02		IF										
	WIILD WP	N33 30 17.34	W117 13 59.88	FB	TF	106.34	92.34	29.38			7200				
	BLCKD WP	N33 29 31.77	W116 25 28.14	FB	TF	90.85	76.85	40.59			15000				
	CSTWY WP	N33 29 09.77	W116 02 03.05	FB	TF	90.96	76.96	19.59			15000				
	CNERYP WP	N33 37 03.75	W115 34 56.72	FO	TF	70.68	56.68	23.99			15000				

En Route Transition Data - TCATE

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)
	DOTSS WP	N33 38 38.78	W117 47 43.02		IF										
	WIILD WP	N33 30 17.34	W117 13 59.88	FB	TF	106.34	92.34	29.38			7200				
	TCATE WP	N32 48 29.07	W116 28 59.88	FB	TF	137.64	123.64	56.29			15000				

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")
	AREAE WP		333803.92N-1171401.10W	N 33.6344213	W 117.2336396	N33 38.065	W117 14.018	N33 38 03.92	W117 14 01.10
	AVRRY WP		334507.35N-1153414.56W	N 33.7520423	W 115.5707100	N33 45.123	W115 34.243	N33 45 07.35	W115 34 14.56
	BLCKD WP		332931.77N-1162528.14W	N 33.4921571	W 116.4244846	N33 29.529	W116 25.469	N33 29 31.77	W116 25 28.14
	CNERYP WP		333703.75N-1153456.72W	N 33.6177091	W 115.5824236	N33 37.063	W115 34.945	N33 37 03.75	W115 34 56.72
	CSTWY WP		332909.77N-1160203.05W	N 33.4860484	W 116.0341812	N33 29.163	W116 02.051	N33 29 09.77	W116 02 03.05
	DOTSS WP		333838.78N-1174743.02W	N 33.6441049	W 117.7952824	N33 38.646	W117 47.717	N33 38 38.78	W117 47 43.02
	FRITR WP		333840.57N-1180219.75W	N 33.6446024	W 118.0388183	N33 38.676	W118 02.329	N33 38 40.57	W118 02 19.75
	MTBAL WP		333611.93N-1160232.30W	N 33.6033127	W 116.0423059	N33 36.199	W116 02.538	N33 36 11.93	W116 02 32.30
	PEELR WP		333639.62N-1162012.96W	N 33.6110062	W 116.3369345	N33 36.660	W116 20.216	N33 36 39.62	W116 20 12.96
	TCATE WP		324829.07N-1162859.88W	N 32.8080745	W 116.4833000	N32 48.484	W116 28.998	N32 48 29.07	W116 28 59.88
	WIILD WP		333017.34N-1171359.88W	N 33.5048159	W 117.2333000	N33 30.289	W117 13.998	N33 30 17.34	W117 13 59.88

RS Results FRITR from KLGB

Last Evaluation: 25-Mar-2016 07:42:39
Reference Software Version: 0.3.4

Route Evaluation for RW12:FRITR CR:AVRRY

Required Engagement Climb Gradient (ft/NM): -

FRITR

RW12:FRITR CR:AVRRY 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
VA			+600.0				1.15	1.07
VM							0.0	0.0
DF	FRITR	FLY_BY				45.0	0.0	0.0
TF	DOTSS	FLY_BY				0.82	12.2	1.79
TF	AREAE	FLY_BY				0.2	28.14	1.0
TF	PEELR	FLY_BY				0.33	44.95	1.0
TF	MTBAL	FLY_BY				22.67	14.77	10.85
TF	AVRRY	FLY_BY					25.24	10.85

RW12:FRITR CR:AVRRY Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0		600.0	265.0	0.0	30.0	274.0	304.0
VM			0.0		600.0	265.0	0.0	30.0	274.0	304.0			0.0	0.0				
DF	FRITR	FLY_BY			0.0	0.0					1.79	4.31	4976.18	265.0	22.5	57.0	293.0	350.0
TF	DOTSS	FLY_BY	1.79	4.31	4976.18	265.0	22.5	57.0	293.0	350.0	1.11	155.08	10754.59	300.0	1.0	68.0	363.0	431.0
TF	AREAE	FLY_BY	1.11	155.08	10754.59	300.0	1.0	68.0	363.0	431.0	0.07	40.32	20611.22	300.0	5.0	88.0	428.0	492.0
TF	PEELR	FLY_BY	0.07	40.32	20611.22	300.0	5.0	88.0	428.0	492.0	0.16	54.11	36365.03	300.0	5.0	119.0	572.0	570.0
TF	MTBAL	FLY_BY	0.16	54.11	36365.03	300.0	5.0	119.0	572.0	570.0	10.85	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	AVRRY	FLY_BY	10.85	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

RW12:FRITR CR:AVRRY Criteria Failures

RDO44: In the route beginning at RW12 and ending at AVRRY, the IDF is not properly aligned with the Departing Runway.

Route Evaluation for RW12:FRITR CR:CNERY

Required Engagement Climb Gradient (ft/NM): -

RW12:FRITR CR:CNERY 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
VA			+600.0				1.15	1.07
VM							0.0	0.0
DF	FRITR	FLY_BY				45.0	0.0	0.0
TF	DOTSS	FLY_BY				16.13	12.2	4.49
TF	WIILD	FLY_BY				15.8	29.38	8.39
TF	BLCKD	FLY_BY				0.33	40.59	5.69
TF	CSTWY	FLY_BY				20.49	19.59	9.78
TF	CNERY	FLY_OVER					23.99	9.78

RW12:FRITR CR:CNERY Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0		600.0	265.0	0.0	30.0	274.0	304.0
VM			0.0		600.0	265.0	0.0	30.0	274.0	304.0			0.0	0.0				
DF	FRITR	FLY_BY			0.0	0.0					1.79	4.31	4976.18	265.0	22.5	57.0	293.0	350.0
TF	DOTSS	FLY_BY	1.79	4.31	4976.18	265.0	22.5	57.0	293.0	350.0	2.71	19.1	10754.59	300.0	8.07	68.0	363.0	431.0
TF	WIILD	FLY_BY	2.71	19.1	10754.59	300.0	8.07	68.0	363.0	431.0	5.69	40.98	21046.06	300.0	5.0	89.0	431.0	496.0
TF	BLCKD	FLY_BY	5.69	40.98	21046.06	300.0	5.0	89.0	431.0	496.0	0.16	54.11	35271.47	300.0	5.0	117.0	560.0	570.0
TF	CSTWY	FLY_BY	0.16	54.11	35271.47	300.0	5.0	117.0	560.0	570.0	9.78	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	CNERY	FLY_OVER	9.78	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

RW12:FRITR CR:CNERY Criteria Failures

RDO44: In the route beginning at RW12 and ending at CNERY, the IDF is not properly aligned with the Departing Runway.

Route Evaluation for RW12:FRITR CR:TCATE

Required Engagement Climb Gradient (ft/NM): -

RW12:FRITR CR:TCATE 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
VA			+600.0				1.15	1.07
VM							0.0	0.0
DF	FRITR	FLY_BY				45.0	0.0	0.0
TF	DOTSS	FLY_BY				16.13	12.2	4.49
TF	WIILD	FLY_BY				30.99	29.38	14.07
TF	TCATE	FLY_BY					56.29	11.36

RW12:FRITR CR:TCATE Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0				0.0			600.0	265.0	0.0	30.0	274.0	304.0
VM			0.0		600.0	265.0	0.0	30.0	274.0	304.0			0.0	0.0				
DF	FRITR	FLY_BY			0.0	0.0				1.79	4.31	4976.18	265.0	22.5	57.0	293.0	350.0	
TF	DOTSS	FLY_BY	1.79	4.31	4976.18	265.0	22.5	57.0	293.0	350.0	2.71	19.1	10754.59	300.0	8.07	68.0	363.0	431.0
TF	WIILD	FLY_BY	2.71	19.1	10754.59	300.0	8.07	68.0	363.0	431.0	11.36	40.98	21046.06	300.0	5.0	89.0	431.0	496.0
TF	TCATE	FLY_BY	11.36	40.98	21046.06	300.0	5.0	89.0	431.0	496.0	0.0		40775.28	300.0	0.0	128.0	626.0	570.0

RW12:FRITR CR:TCATE Criteria Failures

RDO44: In the route beginning at RW12 and ending at TCATE, the IDF is not properly aligned with the Departing Runway.

Route Evaluation for RW25R:FRITR CR:AVRRY

Required Engagement Climb Gradient (ft/NM): 500.0

RW25R:FRITR CR:AVRRY 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
VA			+580.0				1.05	1.05
VM							0.0	0.0
DF	FRITR	FLY_BY				45.0	0.0	0.0
TF	DOTSS	FLY_BY				0.82	12.2	1.89
TF	AREAE	FLY_BY				0.2	28.14	1.0
TF	PEELR	FLY_BY				0.33	44.95	1.0
TF	MTBAL	FLY_BY				22.67	14.77	10.85
TF	AVRRY	FLY_BY					25.24	10.85

RW25R:FRITR CR:AVRRY Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0		580.0	265.0	0.0	30.0	274.0	304.0
VM			0.0		580.0	265.0	0.0	30.0	274.0	304.0			0.0	0.0				
DF	FRITR	FLY_BY			0.0	0.0					1.89	4.56	6522.9	265.0	22.5	60.0	300.0	360.0
TF	DOTSS	FLY_BY	1.89	4.56	6522.9	265.0	22.5	60.0	300.0	360.0	1.15	160.89	11837.57	300.0	1.0	70.0	369.0	439.0
TF	AREAE	FLY_BY	1.15	160.89	11837.57	300.0	1.0	70.0	369.0	439.0	0.07	42.14	21694.72	300.0	5.0	90.0	436.0	503.0
TF	PEELR	FLY_BY	0.07	42.14	21694.72	300.0	5.0	90.0	436.0	503.0	0.16	54.11	37449.34	300.0	5.0	121.0	585.0	570.0
TF	MTBAL	FLY_BY	0.16	54.11	37449.34	300.0	5.0	121.0	585.0	570.0	10.85	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	AVRRY	FLY_BY	10.85	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

RW25R:FRITR CR:AVRRY Criteria Failures

RDO44: In the route beginning at RW25R and ending at AVRRY, the IDF is not properly aligned with the Departing Runway.

Route Evaluation for RW25R:FRITR CR:CNER Y

Required Engagement Climb Gradient (ft/NM): 500.0

RW25R:FRITR CR:CNER Y 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
VA			+580.0				1.05	1.05
VM							0.0	0.0
DF	FRITR	FLY_BY				45.0	0.0	0.0
TF	DOTSS	FLY_BY				16.13	12.2	4.7
TF	WIILD	FLY_BY				15.8	29.38	8.75
TF	BLCKD	FLY_BY				0.33	40.59	5.94
TF	CSTWY	FLY_BY				20.49	19.59	9.78
TF	CNER Y	FLY_OVER					23.99	9.78

RW25R:FRITR CR:CNER Y Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0		580.0	265.0	0.0	30.0	274.0	304.0
VM			0.0		580.0	265.0	0.0	30.0	274.0	304.0			0.0	0.0				
DF	FRITR	FLY_BY			0.0	0.0					1.89	4.56	6522.9	265.0	22.5	60.0	300.0	360.0
TF	DOTSS	FLY_BY	1.89	4.56	6522.9	265.0	22.5	60.0	300.0	360.0	2.81	19.82	11837.57	300.0	8.07	70.0	369.0	439.0
TF	WIILD	FLY_BY	2.81	19.82	11837.57	300.0	8.07	70.0	369.0	439.0	5.94	42.81	22129.58	300.0	5.0	91.0	439.0	507.0
TF	BLCKD	FLY_BY	5.94	42.81	22129.58	300.0	5.0	91.0	439.0	507.0	0.16	54.11	36355.73	300.0	5.0	119.0	572.0	570.0
TF	CSTWY	FLY_BY	0.16	54.11	36355.73	300.0	5.0	119.0	572.0	570.0	9.78	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	CNER Y	FLY_OVER	9.78	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

RW25R:FRITR CR:CNER Y Criteria Failures

RDO44: In the route beginning at RW25R and ending at CNER Y, the IDF is not properly aligned with the Departing Runway.

Route Evaluation for RW25R:FRITR CR:TCATE

Required Engagement Climb Gradient (ft/NM): 500.0

RW25R:FRITR CR:TCATE 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
VA			+580.0				1.05	1.05
VM							0.0	0.0
DF	FRITR	FLY_BY				45.0	0.0	0.0
TF	DOTSS	FLY_BY				16.13	12.2	4.7
TF	WIILD	FLY_BY				30.99	29.38	14.68
TF	TCATE	FLY_BY					56.29	11.87

RW25R:FRITR CR:TCATE Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0				0.0			580.0	265.0	0.0	30.0	274.0	304.0
VM			0.0		580.0	265.0	0.0	30.0	274.0	304.0			0.0	0.0				
DF	FRITR	FLY_BY			0.0	0.0				1.89	4.56	6522.9	265.0	22.5	60.0	300.0	360.0	
TF	DOTSS	FLY_BY	1.89	4.56	6522.9	265.0	22.5	60.0	300.0	360.0	2.81	19.82	11837.57	300.0	8.07	70.0	369.0	439.0
TF	WIILD	FLY_BY	2.81	19.82	11837.57	300.0	8.07	70.0	369.0	439.0	11.87	42.81	22129.58	300.0	5.0	91.0	439.0	507.0
TF	TCATE	FLY_BY	11.87	42.81	22129.58	300.0	5.0	91.0	439.0	507.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

RW25R:FRITR CR:TCATE Criteria Failures

RDO44: In the route beginning at RW25R and ending at TCATE, the IDF is not properly aligned with the Departing Runway.
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Route Evaluation for RW30:FRITR CR:AVRRY

Required Engagement Climb Gradient (ft/NM): -

RW30:FRITR CR:AVRRY 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
VA			+1500.0				2.88	1.0
VM							0.0	0.0
DF	FRITR	FLY_BY				45.0	0.0	0.0
TF	DOTSS	FLY_BY				0.82	12.2	1.97
TF	AREAE	FLY_BY				0.2	28.14	1.0
TF	PEELR	FLY_BY				0.33	44.95	1.0
TF	MTBAL	FLY_BY				22.67	14.77	10.85
TF	AVRRY	FLY_BY					25.24	10.85

RW30:FRITR CR:AVRRY Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0		1500.0	265.0	0.0	30.0	278.0	308.0
VM			0.0		1500.0	265.0	0.0	30.0	278.0	308.0			0.0	0.0				
DF	FRITR	FLY_BY			0.0	0.0					1.97	4.76	7701.95	265.0	22.5	62.0	306.0	368.0
TF	DOTSS	FLY_BY	1.97	4.76	7701.95	265.0	22.5	62.0	306.0	368.0	1.19	166.06	12663.11	300.0	1.0	72.0	374.0	446.0
TF	AREAE	FLY_BY	1.19	166.06	12663.11	300.0	1.0	72.0	374.0	446.0	0.08	43.49	22520.65	300.0	5.0	92.0	442.0	511.0
TF	PEELR	FLY_BY	0.08	43.49	22520.65	300.0	5.0	92.0	442.0	511.0	0.16	54.11	38275.89	300.0	5.0	123.0	595.0	570.0
TF	MTBAL	FLY_BY	0.16	54.11	38275.89	300.0	5.0	123.0	595.0	570.0	10.85	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	AVRRY	FLY_BY	10.85	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

RW30:FRITR CR:AVRRY Criteria Failures

RDO44: In the route beginning at RW30 and ending at AVRRY, the IDF is not properly aligned with the Departing Runway.

Route Evaluation for RW30:FRITR CR:CNER Y

Required Engagement Climb Gradient (ft/NM): -

RW30:FRITR CR:CNER Y 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
VA			+1500.0				2.88	1.0
VM							0.0	0.0
DF	FRITR	FLY_BY				45.0	0.0	0.0
TF	DOTSS	FLY_BY				16.13	12.2	4.87
TF	WIILD	FLY_BY				15.8	29.38	9.03
TF	BLCKD	FLY_BY				0.33	40.59	6.13
TF	CSTWY	FLY_BY				20.49	19.59	9.78
TF	CNER Y	FLY_OVER					23.99	9.78

RW30:FRITR CR:CNER Y Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0		1500.0	265.0	0.0	30.0	278.0	308.0
VM			0.0		1500.0	265.0	0.0	30.0	278.0	308.0			0.0	0.0				
DF	FRITR	FLY_BY			0.0	0.0					1.97	4.76	7701.95	265.0	22.5	62.0	306.0	368.0
TF	DOTSS	FLY_BY	1.97	4.76	7701.95	265.0	22.5	62.0	306.0	368.0	2.9	20.45	12663.11	300.0	8.07	72.0	374.0	446.0
TF	WIILD	FLY_BY	2.9	20.45	12663.11	300.0	8.07	72.0	374.0	446.0	6.13	44.18	22955.53	300.0	5.0	92.0	446.0	515.0
TF	BLCKD	FLY_BY	6.13	44.18	22955.53	300.0	5.0	92.0	446.0	515.0	0.16	54.11	37182.23	300.0	5.0	121.0	582.0	570.0
TF	CSTWY	FLY_BY	0.16	54.11	37182.23	300.0	5.0	121.0	582.0	570.0	9.78	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	CNER Y	FLY_OVER	9.78	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

RW30:FRITR CR:CNER Y Criteria Failures

RDO44: In the route beginning at RW30 and ending at CNER Y, the IDF is not properly aligned with the Departing Runway.

Route Evaluation for RW30:FRITR CR:TCATE

Required Engagement Climb Gradient (ft/NM): -

RW30:FRITR CR:TCATE 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
VA			+1500.0				2.88	1.0
VM							0.0	0.0
DF	FRITR	FLY_BY				45.0	0.0	0.0
TF	DOTSS	FLY_BY				16.13	12.2	4.87
TF	WIILD	FLY_BY				30.99	29.38	15.14
TF	TCATE	FLY_BY					56.29	12.25

RW30:FRITR CR:TCATE Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0		1500.0	265.0	0.0	30.0	278.0	308.0
VM			0.0		1500.0	265.0	0.0	30.0	278.0	308.0			0.0	0.0				
DF	FRITR	FLY_BY			0.0	0.0					1.97	4.76	7701.95	265.0	22.5	62.0	306.0	368.0
TF	DOTSS	FLY_BY	1.97	4.76	7701.95	265.0	22.5	62.0	306.0	368.0	2.9	20.45	12663.11	300.0	8.07	72.0	374.0	446.0
TF	WIILD	FLY_BY	2.9	20.45	12663.11	300.0	8.07	72.0	374.0	446.0	12.25	44.18	22955.53	300.0	5.0	92.0	446.0	515.0
TF	TCATE	FLY_BY	12.25	44.18	22955.53	300.0	5.0	92.0	446.0	515.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

RW30:FRITR CR:TCATE Criteria Failures

RDO44: In the route beginning at RW30 and ending at TCATE, the IDF is not properly aligned with the Departing Runway.

Evaluation Input

Name:	RS Results FRITR from KLGB
Project:	LGB FRITR SID_PAPERWORK-1500 RW30_20160224
Last evaluated:	25-Mar-2016 07:42:39
Evaluated obstacles?:	false
Obstacle Database:	-
Evaluated terrain?:	false
Worst Case Vegetation Height (ft) AGL:	0
Wind Spiral Limiting Splay Angle (deg):	-

FRITR

Procedure Criteria Failures

RDO44: In the route beginning at RW12 and ending at AVRRY, the IDF is not properly aligned with the Departing Runway.
 RDO44: In the route beginning at RW12 and ending at CNERV, the IDF is not properly aligned with the Departing Runway.
 RDO44: In the route beginning at RW12 and ending at TCATE, the IDF is not properly aligned with the Departing Runway.
 RDO44: In the route beginning at RW25R and ending at AVRRY, the IDF is not properly aligned with the Departing Runway.
 RDO44: In the route beginning at RW25R and ending at CNERV, the IDF is not properly aligned with the Departing Runway.
 RDO44: In the route beginning at RW25R and ending at TCATE, the IDF is not properly aligned with the Departing Runway.
 RDO44: In the route beginning at RW30 and ending at AVRRY, the IDF is not properly aligned with the Departing Runway.
 RDO44: In the route beginning at RW30 and ending at CNERV, the IDF is not properly aligned with the Departing Runway.
 RDO44: In the route beginning at RW30 and ending at TCATE, the IDF is not properly aligned with the Departing Runway.

Evaluation Notes and Warnings

No failures.

Database Effective Dates

Database	Date
UddfObstacle	03/09/2015
Tiled AIRNAV2	N/A
OEAAA	N/A
NFDC	02/04/2016
IFP_OFFLINE	N/A
AVNIS	03/25/2016
DOF	02/04/2016
AVNII_OFFLINE	N/A
AIRNAV2	03/25/2016
CIFP	03/03/2016

Notes: