

# ZOOMM

## Point Of Contact

Organization Name - Southern California Metroplex

POC's Name - Robert E. Henry, SOCAL Metroplex Manager: Jose Gonzalez, SOCAL Metroplex NATCA CO-LEAD

Telephone Number - (661) 265-8434

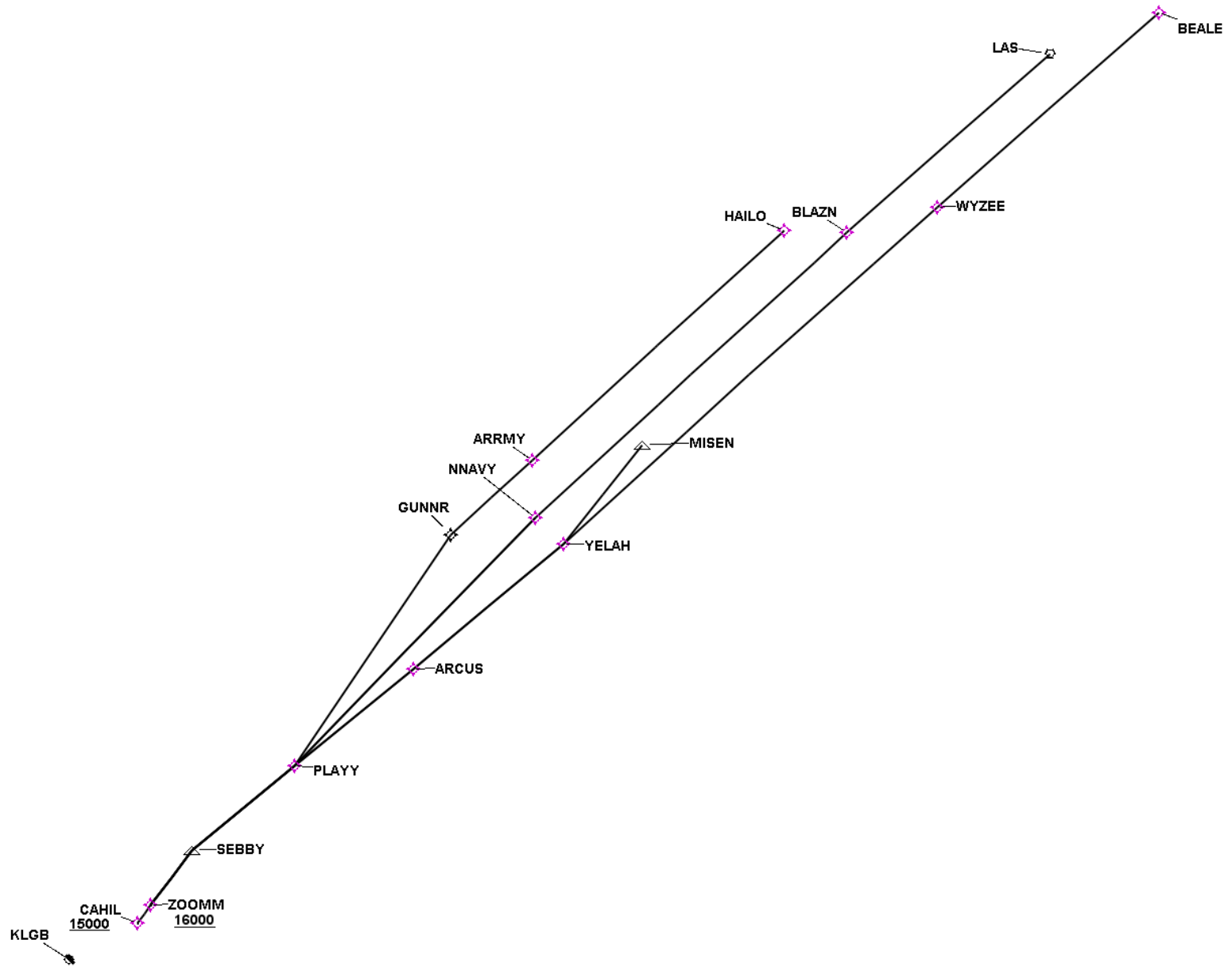
FAX Number - (661) 265-8338

Email Address - Robert.Henry@FAA.GOV; Jose.J.Gonzalez@FAA.GOV

## TARGETS Distribution Package

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ZOOMM

### 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								
	CAHIL WP	N33 54 22.57	W117 56 41.25	FB	DF			11.57	+15000						

### 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								
	CAHIL WP	N33 54 22.57	W117 56 41.25	FB	DF			16.46	+15000						

### 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								
	CAHIL WP	N33 54 22.57	W117 56 41.25	FB	DF			16.02	+15000						

### Common Route Data - ZOOMM 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)
	CAHIL WP	N33 54 22.57	W117 56 41.25		IF				+15000						
	ZOOMM WP	N33 57 09.41	W117 54 08.91	FB	TF	37.26	23.26	3.49	+16000		10000				

### En Route Transition Data - BEALE

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)
	ZOOMM WP	N33 57 09.41	W117 54 08.91		IF				+16000						
AVNIS	SEBBY WP	N34 05 22.87	W117 46 37.12	FB	TF	37.29	23.29	10.32			12000				
	PLAYY WP	N34 17 59.34	W117 27 52.81	FB	TF	50.91	36.91	20.00			15000				
	ARCUS WP	N34 32 30.00	W117 06 06.42	FB	TF	51.09	37.09	23.11			15000				
	YELAH WP	N34 51 15.00	W116 38 40.90	FB	TF	50.25	36.25	29.36			15000				
	WYZEE WP	N35 41 45.92	W115 30 12.69	FB	TF	47.70	33.70	75.41			15000				
	BEALE WP	N36 10 56.83	W114 49 34.09	FB	TF	48.36	34.36	44.03			15000				

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### En Route Transition Data - HAILO

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)
	ZOOMM WP	N33 57 09.41	W117 54 08.91		IF				+16000						
AVNIS	SEBBY WP	N34 05 22.87	W117 46 37.12	FB	TF	37.29	23.29	10.32			12000				
	PLAYY WP	N34 17 59.34	W117 27 52.81	FB	TF	50.91	36.91	20.00			15000				
AVNIS	GUNNR WP	N34 52 37.00	W116 59 13.00	FB	TF	34.26	20.26	41.89			15000				
	ARRMY WP	N35 03 48.00	W116 44 24.00	FB	TF	47.41	33.41	16.52			15000				
	HAILO WP	N35 38 14.00	W115 58 16.00	FB	TF	47.44	33.44	51.05			15000				

### En Route Transition Data - LAS

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)
	ZOOMM WP	N33 57 09.41	W117 54 08.91		IF				+16000						
AVNIS	SEBBY WP	N34 05 22.87	W117 46 37.12	FB	TF	37.29	23.29	10.32			12000				
	PLAYY WP	N34 17 59.34	W117 27 52.81	FB	TF	50.91	36.91	20.00			15000				
	NNAVY WP	N34 55 13.98	W116 43 45.07	FB	TF	44.20	30.20	52.05			15000				
	BLAZN WP	N35 37 55.21	W115 46 46.06	FB	TF	47.31	33.31	63.19			15000				
AVNIS	LAS VORTAC	N36 04 46.93	W115 09 35.27	FB	TF	48.23	34.23	40.41			15000				

### En Route Transition Data - MISEN

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)
	ZOOMM WP	N33 57 09.41	W117 54 08.91		IF				+16000						
AVNIS	SEBBY WP	N34 05 22.87	W117 46 37.12	FB	TF	37.29	23.29	10.32			12000				
	PLAYY WP	N34 17 59.34	W117 27 52.81	FB	TF	50.91	36.91	20.00			15000				
	ARCUS WP	N34 32 30.00	W117 06 06.42	FB	TF	51.09	37.09	23.11			15000				
	YELAH WP	N34 51 15.00	W116 38 40.90	FB	TF	50.25	36.25	29.36			15000				
AVNIS	MISEN WP	N35 06 08.46	W116 24 13.86	FB	TF	38.55	24.55	19.03			15000				

### En Route Transition Data - NNAVY

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)
	ZOOMM WP	N33 57 09.41	W117 54 08.91		IF				+16000						
AVNIS	SEBBY WP	N34 05 22.87	W117 46 37.12	FB	TF	37.29	23.29	10.32			12000				
	PLAYY WP	N34 17 59.34	W117 27 52.81	FB	TF	50.91	36.91	20.00			15000				
	NNAVY WP	N34 55 13.98	W116 43 45.07	FB	TF	44.20	30.20	52.05			15000				

ZOOMM

## 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")
	ARCUS WP		343230.00N-1170606.42W	N 34.5416667	W 117.1017833	N34 32.500	W117 06.107	N34 32 30.00	W117 06 06.42
	ARRMY WP		350348.00N-1164424.00W	N 35.0633333	W 116.7400000	N35 03.800	W116 44.400	N35 03 48.00	W116 44 24.00
	BEALE WP		361056.83N-1144934.09W	N 36.1824522	W 114.8261349	N36 10.947	W114 49.568	N36 10 56.83	W114 49 34.09
	BLAZN WP		353755.21N-1154646.06W	N 35.6320028	W 115.7794611	N35 37.920	W115 46.768	N35 37 55.21	W115 46 46.06
	CAHIL WP		335422.57N-1175641.25W	N 33.9062697	W 117.9447927	N33 54.376	W117 56.688	N33 54 22.57	W117 56 41.25
AVNIS	GUNNR WP		345237.00N-1165913.00W	N 34.8769444	W 116.9869444	N34 52.617	W116 59.217	N34 52 37.00	W116 59 13.00
	HAILO WP		353814.00N-1155816.00W	N 35.6372222	W 115.9711111	N35 38.233	W115 58.267	N35 38 14.00	W115 58 16.00
AVNIS	LAS VORTAC		360446.93N-1150935.27W	N 36.0797028	W 115.1597972	N36 04.782	W115 09.588	N36 04 46.93	W115 09 35.27
AVNIS	MISEN WP		350608.46N-1162413.86W	N 35.1023500	W 116.4038500	N35 06.141	W116 24.231	N35 06 08.46	W116 24 13.86
	NNAVY WP		345513.98N-1164345.07W	N 34.9205500	W 116.7291861	N34 55.233	W116 43.751	N34 55 13.98	W116 43 45.07
	PLAYY WP		341759.34N-1172752.81W	N 34.2998164	W 117.4646702	N34 17.989	W117 27.880	N34 17 59.34	W117 27 52.81
AVNIS	SEBBY WP		340522.87N-1174637.12W	N 34.0896861	W 117.7769778	N34 05.381	W117 46.619	N34 05 22.87	W117 46 37.12
	WYZEE WP		354145.92N-1153012.69W	N 35.6960889	W 115.5035250	N35 41.765	W115 30.211	N35 41 45.92	W115 30 12.69
	YELAH WP		345115.00N-1163840.90W	N 34.8541667	W 116.6446944	N34 51.250	W116 38.682	N34 51 15.00	W116 38 40.90
	ZOOMM WP		335709.41N-1175408.91W	N 33.9526149	W 117.9024757	N33 57.157	W117 54.149	N33 57 09.41	W117 54 08.91

## RS Results ZOOMM from KLGB

Last Evaluation: 24-Feb-2016 12:02:53

Reference Software Version: 0.3.4

### Route Evaluation for RW12:ZOOMM CR:BEALE

Required Engagement Climb Gradient (ft/NM): -

ZOOMM

### RW12:ZOOMM CR:BEALE 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				0.0	20.0	4.64
TF	ARCUS	FLY_BY				1.04	23.11	1.0
TF	YELAH	FLY_BY				2.82	29.36	1.0
TF	WYZEE	FLY_BY				0.01	75.41	1.0
TF	BEALE	FLY_BY					44.03	1.0

### RW12:ZOOMM CR:BEALE 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	0.0		26845.91	300.0	0.0	100.0	478.0	554.0
TF	ARCUS	FLY_BY	0.0		26845.91	300.0	0.0	100.0	478.0	554.0	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0
TF	YELAH	FLY_BY	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0	1.33	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	WYZEE	FLY_BY	1.33	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
TF	BEALE	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

### RW12:ZOOMM CR:BEALE Criteria Failures

No failures.

# Route Evaluation for RW12:ZOOMM CR:HAILO

Required Engagement Climb Gradient (ft/NM): -

## RW12:ZOOMM CR:HAILO 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				16.83	20.0	12.2
TF	GUNNR	FLY_BY				12.88	41.89	13.67
TF	ARMY	FLY_BY				0.11	16.52	6.11
TF	HAILO	FLY_BY					51.05	1.0

## RW12:ZOOMM CR:HAILO 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	7.56	51.12	26845.91	300.0	5.0	100.0	478.0	554.0
TF	GUNNR	FLY_BY	7.56	51.12	26845.91	300.0	5.0	100.0	478.0	554.0	6.11	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	ARMY	FLY_BY	6.11	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.05	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	HAILO	FLY_BY	0.05	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:ZOOMM CR:HAILO Criteria Failures

No failures.

# Route Evaluation for RW12:ZOOMM CR:LAS

Required Engagement Climb Gradient (ft/NM): -

## RW12:ZOOMM CR:LAS 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				6.89	20.0	4.64
TF	NNAVY	FLY_BY				2.69	52.05	1.0
TF	BLAZN	FLY_BY				0.37	63.19	1.0
TF	LAS	FLY_BY					40.41	1.0

## RW12:ZOOMM CR:LAS 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0
TF	NNAVY	FLY_BY	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0	1.27	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	BLAZN	FLY_BY	1.27	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.17	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	LAS	FLY_BY	0.17	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:ZOOMM CR:LAS Criteria Failures

No failures.

ZOOMM



# Route Evaluation for RW12:ZOOMM CR:MISEN

Required Engagement Climb Gradient (ft/NM): -

## RW12:ZOOMM CR:MISEN 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				0.0	20.0	4.64
TF	ARCUS	FLY_BY				1.04	23.11	1.0
TF	YELAH	FLY_BY				11.97	29.36	5.67
TF	MISEN	FLY_BY					19.03	5.67

## RW12:ZOOMM CR:MISEN 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	0.0		26845.91	300.0	0.0	100.0	478.0	554.0
TF	ARCUS	FLY_BY	0.0		26845.91	300.0	0.0	100.0	478.0	554.0	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0
TF	YELAH	FLY_BY	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0	5.67	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	MISEN	FLY_BY	5.67	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:ZOOMM CR:MISEN Criteria Failures

No failures.

ZOOMM

# Route Evaluation for RW12:ZOOMM CR:NNAVY

Required Engagement Climb Gradient (ft/NM): -

## RW12:ZOOMM CR:NNAVY 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				6.89	20.0	4.64
TF	NNAVY	FLY_BY					52.05	1.0

## RW12:ZOOMM CR:NNAVY 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0
TF	NNAVY	FLY_BY	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

## RW12:ZOOMM CR:NNAVY Criteria Failures

No failures.

# Route Evaluation for RW25R:ZOOMM CR:BEALE

Required Engagement Climb Gradient (ft/NM): 500.0

## RW25R:ZOOMM CR:BEALE 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				0.0	20.0	4.64
TF	ARCUS	FLY_BY				1.04	23.11	1.0
TF	YELAH	FLY_BY				2.82	29.36	1.0
TF	WYZEE	FLY_BY				0.01	75.41	1.0
TF	BEALE	FLY_BY					44.03	1.0

## RW25R:ZOOMM CR:BEALE 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	0.0		26845.91	300.0	0.0	100.0	478.0	554.0
TF	ARCUS	FLY_BY	0.0		26845.91	300.0	0.0	100.0	478.0	554.0	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0
TF	YELAH	FLY_BY	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0	1.33	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	WYZEE	FLY_BY	1.33	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
TF	BEALE	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

## RW25R:ZOOMM CR:BEALE Criteria Failures

No failures.

ZOOMM

# Route Evaluation for RW25R:ZOOMM CR:HAILO

Required Engagement Climb Gradient (ft/NM): 500.0

## RW25R:ZOOMM CR:HAILO 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				16.83	20.0	12.2
TF	GUNNR	FLY_BY				12.88	41.89	13.67
TF	ARMY	FLY_BY				0.11	16.52	6.11
TF	HAILO	FLY_BY					51.05	1.0

## RW25R:ZOOMM CR:HAILO 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	7.56	51.12	26845.91	300.0	5.0	100.0	478.0	554.0
TF	GUNNR	FLY_BY	7.56	51.12	26845.91	300.0	5.0	100.0	478.0	554.0	6.11	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	ARMY	FLY_BY	6.11	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.05	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	HAILO	FLY_BY	0.05	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:ZOOMM CR:HAILO Criteria Failures

No failures.

# Route Evaluation for RW25R:ZOOMM CR:LAS

Required Engagement Climb Gradient (ft/NM): 500.0

## RW25R:ZOOMM CR:LAS 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				6.89	20.0	4.64
TF	NNAVY	FLY_BY				2.69	52.05	1.0
TF	BLAZN	FLY_BY				0.37	63.19	1.0
TF	LAS	FLY_BY					40.41	1.0

## RW25R:ZOOMM CR:LAS 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0
TF	NNAVY	FLY_BY	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0	1.27	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	BLAZN	FLY_BY	1.27	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.17	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	LAS	FLY_BY	0.17	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:ZOOMM CR:LAS Criteria Failures

No failures.

# Route Evaluation for RW25R:ZOOMM CR:MISEN

Required Engagement Climb Gradient (ft/NM): 500.0

## RW25R:ZOOMM CR:MISEN 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				0.0	20.0	4.64
TF	ARCUS	FLY_BY				1.04	23.11	1.0
TF	YELAH	FLY_BY				11.97	29.36	5.67
TF	MISEN	FLY_BY					19.03	5.67

## RW25R:ZOOMM CR:MISEN 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	0.0		26845.91	300.0	0.0	100.0	478.0	554.0
TF	ARCUS	FLY_BY	0.0		26845.91	300.0	0.0	100.0	478.0	554.0	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0
TF	YELAH	FLY_BY	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0	5.67	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	MISEN	FLY_BY	5.67	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:ZOOMM CR:MISEN Criteria Failures

No failures.

# Route Evaluation for RW25R:ZOOMM CR:NNAVY

Required Engagement Climb Gradient (ft/NM): 500.0

## RW25R:ZOOMM CR:NNAVY 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				6.89	20.0	4.64
TF	NNAVY	FLY_BY					52.05	1.0

## RW25R:ZOOMM CR:NNAVY 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0
TF	NNAVY	FLY_BY	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

## RW25R:ZOOMM CR:NNAVY Criteria Failures

No failures.

# Route Evaluation for RW30:ZOOMM CR:BEALE

Required Engagement Climb Gradient (ft/NM): -

## RW30:ZOOMM CR:BEALE 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				0.0	20.0	4.64
TF	ARCUS	FLY_BY				1.04	23.11	1.0
TF	YELAH	FLY_BY				2.82	29.36	1.0
TF	WYZEE	FLY_BY				0.01	75.41	1.0
TF	BEALE	FLY_BY					44.03	1.0

## RW30:ZOOMM CR:BEALE 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	0.0		26845.91	300.0	0.0	100.0	478.0	554.0
TF	ARCUS	FLY_BY	0.0		26845.91	300.0	0.0	100.0	478.0	554.0	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0
TF	YELAH	FLY_BY	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0	1.33	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	WYZEE	FLY_BY	1.33	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
TF	BEALE	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

## RW30:ZOOMM CR:BEALE Criteria Failures

No failures.



# Route Evaluation for RW30:ZOOMM CR:HAILO

Required Engagement Climb Gradient (ft/NM): -

## RW30:ZOOMM CR:HAILO 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				16.83	20.0	12.2
TF	GUNNR	FLY_BY				12.88	41.89	13.67
TF	ARMY	FLY_BY				0.11	16.52	6.11
TF	HAILO	FLY_BY					51.05	1.0

## RW30:ZOOMM CR:HAILO 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	7.56	51.12	26845.91	300.0	5.0	100.0	478.0	554.0
TF	GUNNR	FLY_BY	7.56	51.12	26845.91	300.0	5.0	100.0	478.0	554.0	6.11	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	ARMY	FLY_BY	6.11	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.05	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	HAILO	FLY_BY	0.05	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:ZOOMM CR:HAILO Criteria Failures

No failures.

# Route Evaluation for RW30:ZOOMM CR:LAS

Required Engagement Climb Gradient (ft/NM): -

## RW30:ZOOMM CR:LAS 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				6.89	20.0	4.64
TF	NNAVY	FLY_BY				2.69	52.05	1.0
TF	BLAZN	FLY_BY				0.37	63.19	1.0
TF	LAS	FLY_BY					40.41	1.0

## RW30:ZOOMM CR:LAS 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0
TF	NNAVY	FLY_BY	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0	1.27	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	BLAZN	FLY_BY	1.27	54.11	41000.0	300.0	5.0	128.0	629.0	570.0	0.17	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	LAS	FLY_BY	0.17	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:ZOOMM CR:LAS Criteria Failures

No failures.

# Route Evaluation for RW30:ZOOMM CR:MISEN

Required Engagement Climb Gradient (ft/NM): -

## RW30:ZOOMM CR:MISEN 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				0.0	20.0	4.64
TF	ARCUS	FLY_BY				1.04	23.11	1.0
TF	YELAH	FLY_BY				11.97	29.36	5.67
TF	MISEN	FLY_BY					19.03	5.67

## RW30:ZOOMM CR:MISEN 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	0.0		26845.91	300.0	0.0	100.0	478.0	554.0
TF	ARCUS	FLY_BY	0.0		26845.91	300.0	0.0	100.0	478.0	554.0	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0
TF	YELAH	FLY_BY	0.49	54.11	34948.08	300.0	5.0	116.0	557.0	570.0	5.67	54.11	41000.0	300.0	5.0	128.0	629.0	570.0
TF	MISEN	FLY_BY	5.67	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:ZOOMM CR:MISEN Criteria Failures

No failures.

# Route Evaluation for RW30:ZOOMM CR:NNAVY

Required Engagement Climb Gradient (ft/NM): -

## RW30:ZOOMM CR:NNAVY 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	CAHIL	FLY_BY	+15000.0			45.0	0.0	0.0
TF	ZOOMM	FLY_BY	+16000.0			0.0	3.49	3.16
TF	SEBBY	FLY_BY				13.56	10.32	4.64
TF	PLAYY	FLY_BY				6.89	20.0	4.64
TF	NNAVY	FLY_BY					52.05	1.0

## RW30:ZOOMM CR:NNAVY 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	CAHIL	FLY_BY			0.0	0.0					3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0
TF	ZOOMM	FLY_BY	3.16	7.64	15000.0	300.0	22.5	77.0	389.0	466.0	0.0		16221.81	300.0	0.0	79.0	397.0	476.0
TF	SEBBY	FLY_BY	0.0		16221.81	300.0	0.0	79.0	397.0	476.0	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0
TF	PLAYY	FLY_BY	4.64	39.02	19838.09	300.0	5.0	86.0	422.0	484.0	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0
TF	NNAVY	FLY_BY	3.08	51.12	26845.91	300.0	5.0	100.0	478.0	554.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

## RW30:ZOOMM CR:NNAVY Criteria Failures

No failures.

**Evaluation Input**

ZOOMM

Name:	RS Results ZOOMM from KLGB
Project:	LGB ZOOMM SID_Paperwork-1500-RW30_20160224
Last evaluated:	24-Feb-2016 12:02:53
Evaluated obstacles?:	false
Obstacle Database:	-
Evaluated terrain?:	false
Worst Case Vegetation Height (ft) AGL:	0
Wind Spiral Limiting Splay Angle (deg):	-

### Procedure Criteria Failures

No failures.

### 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	02/24/2016
DOF	02/04/2016
AVNII_OFFLINE	N/A
AIRNAV2	02/24/2016
CIFP	02/04/2016

**Notes:**

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