

# MUCLR

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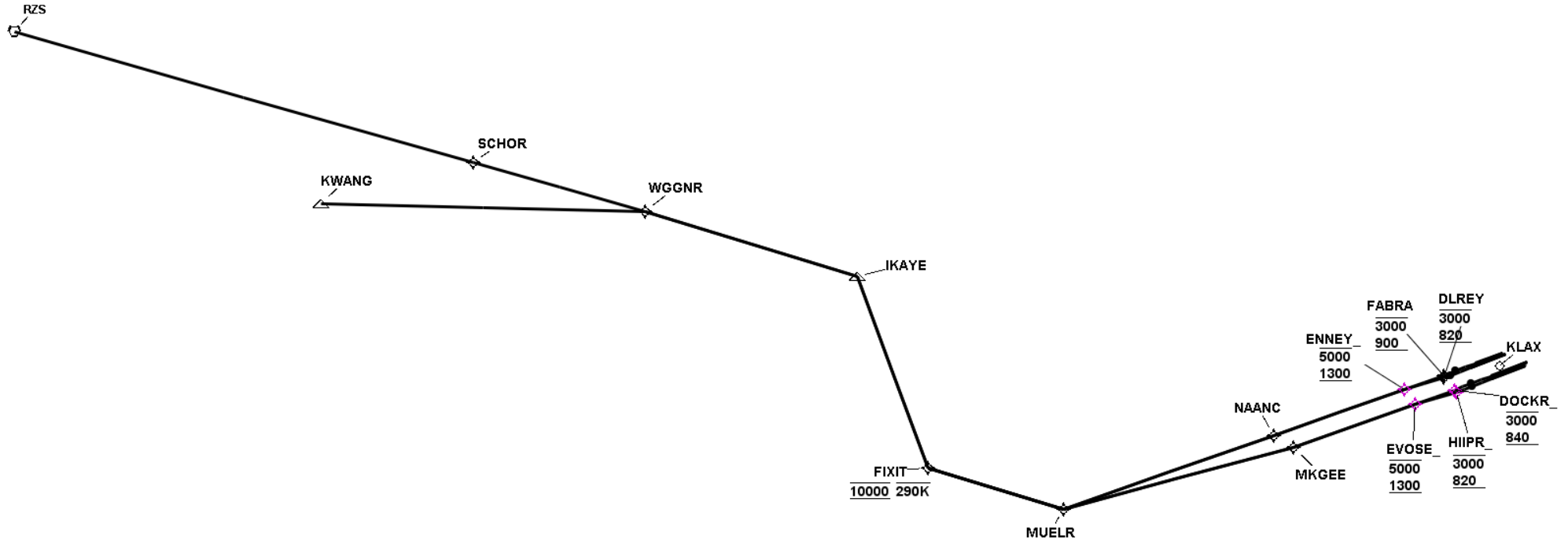
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## TARGETS Distribution Package

Version:5.0.5.1

Date: Tue Apr 26 12:02:25 PDT 2016



MUELR

### Runway Transition Data - RW24L

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)
AIRNA V2	DER RW24L	N33 56 48.53	W118 26 04.80												
					VA	263.00	251.00	1.06	+640						
AVNIS	DLREY WP	N33 56 37.25	W118 27 54.53	FB	DF			.47	+820 -3000						
	ENNEY_ WP	N33 56 32.86	W118 30 20.84	FB	TF	267.95	255.95	2.03	+1300 -5000						
AVNIS	NAANC WP	N33 55 54.00	W118 38 38.00	FB	TF	264.68	252.68	6.92							
AVNIS	MUELR WP	N33 54 52.00	W118 51 58.00	FB	TF	264.75	252.75	11.14							
AVNIS	FIXIT WP	N33 58 28.00	W118 59 17.00	FB	TF	300.59	288.59	7.07	10000	-290					

### Runway Transition Data - RW24R

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 RW24R	N33 56 56.80	W118 25 52.18												
					VA	263.00	251.00	1.05	+640						
AVNIS	FABRA WP	N33 56 44.30	W118 27 53.85	FB	DF			.65	+900 -3000						
	ENNEY_ WP	N33 56 32.86	W118 30 20.84	FB	TF	264.68	252.68	2.05	+1300 -5000						
AVNIS	NAANC WP	N33 55 54.00	W118 38 38.00	FB	TF	264.68	252.68	6.92							
AVNIS	MUELR WP	N33 54 52.00	W118 51 58.00	FB	TF	264.75	252.75	11.14							
AVNIS	FIXIT WP	N33 58 28.00	W118 59 17.00	FB	TF	300.59	288.59	7.07	10000	-290					

### Runway Transition Data - RW25L

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 RW25L	N33 56 01.14	W118 25 08.47												
					VA	263.01	251.01	1.04	+640						
	HIIPR_ WP	N33 55 47.45	W118 27 21.59	FB	DF			.82	+820 -3000						
	EVOSE_ WP	N33 55 42.26	W118 29 59.03	FB	TF	267.75	255.75	2.19	+1300 -5000						
AVNIS	MKGEE WP	N33 55 04.00	W118 37 41.00	FB	TF	264.36	252.36	6.44							
AVNIS	MUELR WP	N33 54 52.00	W118 51 58.00	FB	TF	269.10	257.10	11.89							
AVNIS	FIXIT WP	N33 58 28.00	W118 59 17.00	FB	TF	300.59	288.59	7.07	10000	-290					

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### 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 56 08.99	W118 25 09.63												
					VA	263.01	251.01	1.04	+640						
	DOCKR_ WP	N33 55 54.64	W118 27 29.17	FB	DF			.91	+840 -3000						
	EVOSE_ WP	N33 55 42.26	W118 29 59.03	FB	TF	264.35	252.35	2.09	+1300 -5000						
AVNIS	MKGEE WP	N33 55 04.00	W118 37 41.00	FB	TF	264.36	252.36	6.44							
AVNIS	MUCLR WP	N33 54 52.00	W118 51 58.00	FB	TF	269.10	257.10	11.89							
AVNIS	FIXIT WP	N33 58 28.00	W118 59 17.00	FB	TF	300.59	288.59	7.07	10000	-290					

### En Route Transition Data - KWANG

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	FIXIT WP	N33 58 28.00	W118 59 17.00		IF				10000	-290					
AVNIS	IKAYE WP	N34 08 35.00	W119 00 37.00	FB	TF	353.75	341.75	10.16			10000				
AVNIS	WGGNR WP	N34 14 16.00	W119 12 03.00	FB	TF	300.94	288.94	11.05			10000				
AVNIS	KWANG WP	N34 18 32.81	W119 30 50.94	FB	TF	285.43	273.43	16.15			10000				

### En Route Transition Data - RZS

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	FIXIT WP	N33 58 28.00	W118 59 17.00		IF				10000	-290					
AVNIS	IKAYE WP	N34 08 35.00	W119 00 37.00	FB	TF	353.75	341.75	10.16			10000				
AVNIS	WGGNR WP	N34 14 16.00	W119 12 03.00	FB	TF	300.94	288.94	11.05			10000				
AVNIS	SCHOR WP	N34 18 43.00	W119 21 25.00	FB	TF	299.83	287.83	8.94			10000				
AVNIS	RZS VORTAC	N34 30 34.32	W119 46 15.57	FB	TF	300.05	288.05	23.72			10000				

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## 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	DLREY WP		335637.25N-1182754.53W	N 33.9436806	W 118.4651472	N33 56.621	W118 27.909	N33 56 37.25	W118 27 54.53
	DOCKR_ WP		335554.64N-1182729.17W	N 33.9318444	W 118.4581028	N33 55.911	W118 27.486	N33 55 54.64	W118 27 29.17
	ENNEY_ WP		335632.86N-1183020.84W	N 33.9424611	W 118.5057889	N33 56.548	W118 30.347	N33 56 32.86	W118 30 20.84
	EVOSE_ WP		335542.26N-1182959.03W	N 33.9284044	W 118.4997313	N33 55.704	W118 29.984	N33 55 42.26	W118 29 59.03
AVNIS	FABRA WP		335644.30N-1182753.85W	N 33.9456389	W 118.4649583	N33 56.738	W118 27.898	N33 56 44.30	W118 27 53.85
AVNIS	FIXIT WP		335828.00N-1185917.00W	N 33.9744444	W 118.9880556	N33 58.467	W118 59.283	N33 58 28.00	W118 59 17.00
	HIIPR_ WP		335547.45N-1182721.59W	N 33.9298472	W 118.4559972	N33 55.791	W118 27.360	N33 55 47.45	W118 27 21.59
AVNIS	IKAYE WP		340835.00N-1190037.00W	N 34.1430556	W 119.0102778	N34 08.583	W119 00.617	N34 08 35.00	W119 00 37.00
AVNIS	KWANG WP		341832.81N-1193050.94W	N 34.3091139	W 119.5141500	N34 18.547	W119 30.849	N34 18 32.81	W119 30 50.94
AVNIS	MKGEE WP		335504.00N-1183741.00W	N 33.9177778	W 118.6280556	N33 55.067	W118 37.683	N33 55 04.00	W118 37 41.00
AVNIS	MUELR WP		335452.00N-1185158.00W	N 33.9144444	W 118.8661111	N33 54.867	W118 51.967	N33 54 52.00	W118 51 58.00
AVNIS	NAANC WP		335554.00N-1183838.00W	N 33.9316667	W 118.6438889	N33 55.900	W118 38.633	N33 55 54.00	W118 38 38.00
AVNIS	RZS VORTAC		343034.32N-1194615.57W	N 34.5095333	W 119.7709917	N34 30.572	W119 46.259	N34 30 34.32	W119 46 15.57
AVNIS	SCHOR WP		341843.00N-1192125.00W	N 34.3119444	W 119.3569444	N34 18.717	W119 21.417	N34 18 43.00	W119 21 25.00
AVNIS	WGGNR WP		341416.00N-1191203.00W	N 34.2377778	W 119.2008333	N34 14.267	W119 12.050	N34 14 16.00	W119 12 03.00

## RS Results MUELR from KLAX

Last Evaluation: 26-Apr-2016 11:58:38  
Reference Software Version: 0.3.6

### Route Evaluation for RW24L:KWANG

**Required Engagement Climb Gradient (ft/NM): 500.0**

MUELR

### RW24L:KWANG 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			+640.0			0.08	1.06	1.06
DF	DLREY	FLY_BY	+820.0	-3000.0		5.05	0.47	0.0
TF	ENNEY_	FLY_BY	+1300.0	-5000.0		3.25	2.03	1.0
TF	NAANC	FLY_BY				0.15	6.92	1.0
TF	MUCLR	FLY_BY				35.96	11.14	2.5
TF	FIXIT	FLY_BY	10000.0		290	53.22	7.07	5.18
TF	IKAYE	FLY_BY				52.79	10.16	5.88
TF	WGGNR	FLY_BY				15.41	11.05	6.65
TF	KWANG	FLY_BY					16.15	3.46

### RW24L:KWANG Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0
DF	DLREY	FLY_BY	0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0	1.36	30.74	876.48	265.0	2.53	30.0	275.0	305.0
TF	ENNEY_	FLY_BY	1.36	30.74	876.48	265.0	2.53	30.0	275.0	305.0	1.4	49.43	1891.56	265.0	1.62	30.0	280.0	310.0
TF	NAANC	FLY_BY	1.4	49.43	1891.56	265.0	1.62	30.0	280.0	310.0	0.13	104.03	5354.3	265.0	1.0	58.0	295.0	353.0
TF	MUCLR	FLY_BY	0.13	104.03	5354.3	265.0	1.0	58.0	295.0	353.0	2.5	7.7	10000.0	290.0	17.98	67.0	347.0	414.0
TF	FIXIT	FLY_BY	2.5	7.7	10000.0	290.0	17.98	67.0	347.0	414.0	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0
TF	IKAYE	FLY_BY	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0
TF	WGGNR	FLY_BY	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0	3.46	25.55	17428.75	300.0	7.7	82.0	405.0	487.0
TF	KWANG	FLY_BY	3.46	25.55	17428.75	300.0	7.7	82.0	405.0	487.0	0.0		23088.29	300.0	0.0	93.0	447.0	517.0

### RW24L:KWANG Criteria Failures

No failures.
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# Route Evaluation for RW24L:RZS

Required Engagement Climb Gradient (ft/NM): 500.0

## RW24L:RZS 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			+640.0			0.08	1.06	1.06
DF	DLREY	FLY_BY	+820.0	-3000.0		5.05	0.47	0.0
TF	ENNEY_	FLY_BY	+1300.0	-5000.0		3.25	2.03	1.0
TF	NAANC	FLY_BY				0.15	6.92	1.0
TF	MUELR	FLY_BY				35.96	11.14	2.5
TF	FIXIT	FLY_BY	10000.0		290	53.22	7.07	5.18
TF	IKAYE	FLY_BY				52.79	10.16	5.88
TF	WGGNR	FLY_BY				1.01	11.05	3.2
TF	SCHOR	FLY_BY				0.31	8.94	1.0
TF	RZS	FLY_BY					23.72	1.0

## RW24L:RZS Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0
DF	DLREY	FLY_BY	0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0	1.36	30.74	876.48	265.0	2.53	30.0	275.0	305.0
TF	ENNEY_	FLY_BY	1.36	30.74	876.48	265.0	2.53	30.0	275.0	305.0	1.4	49.43	1891.56	265.0	1.62	30.0	280.0	310.0
TF	NAANC	FLY_BY	1.4	49.43	1891.56	265.0	1.62	30.0	280.0	310.0	0.13	104.03	5354.3	265.0	1.0	58.0	295.0	353.0
TF	MUELR	FLY_BY	0.13	104.03	5354.3	265.0	1.0	58.0	295.0	353.0	2.5	7.7	10000.0	290.0	17.98	67.0	347.0	414.0
TF	FIXIT	FLY_BY	2.5	7.7	10000.0	290.0	17.98	67.0	347.0	414.0	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0
TF	IKAYE	FLY_BY	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0
TF	WGGNR	FLY_BY	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0	1.74	197.99	17428.75	300.0	1.0	82.0	405.0	487.0
TF	SCHOR	FLY_BY	1.74	197.99	17428.75	300.0	1.0	82.0	405.0	487.0	0.11	40.15	20561.82	300.0	5.0	88.0	427.0	491.0
TF	RZS	FLY_BY	0.11	40.15	20561.82	300.0	5.0	88.0	427.0	491.0	0.0		28872.96	300.0	0.0	104.0	496.0	570.0

## RW24L:RZS Criteria Failures

No failures.

# Route Evaluation for RW24R:KWANG

Required Engagement Climb Gradient (ft/NM): 500.0

## RW24R:KWANG 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			+640.0			0.06	1.05	1.05
DF	FABRA	FLY_BY	+900.0	-3000.0		1.75	0.65	0.0
TF	ENNEY_	FLY_BY	+1300.0	-5000.0		0.03	2.05	1.0
TF	NAANC	FLY_BY				0.15	6.92	1.0
TF	MUCLR	FLY_BY				35.96	11.14	2.5
TF	FIXIT	FLY_BY	10000.0		290	53.22	7.07	5.18
TF	IKAYE	FLY_BY				52.79	10.16	5.88
TF	WGGNR	FLY_BY				15.41	11.05	6.65
TF	KWANG	FLY_BY					16.15	3.46

## RW24R:KWANG Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0
DF	FABRA	FLY_BY	0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0	1.2	78.17	963.03	265.0	1.0	30.0	276.0	306.0
TF	ENNEY_	FLY_BY	1.2	78.17	963.03	265.0	1.0	30.0	276.0	306.0	0.0		1986.59	265.0	0.0	30.0	280.0	310.0
TF	NAANC	FLY_BY	0.0		1986.59	265.0	0.0	30.0	280.0	310.0	0.13	104.03	5449.35	265.0	1.0	58.0	295.0	353.0
TF	MUCLR	FLY_BY	0.13	104.03	5449.35	265.0	1.0	58.0	295.0	353.0	2.5	7.7	10000.0	290.0	17.98	67.0	347.0	414.0
TF	FIXIT	FLY_BY	2.5	7.7	10000.0	290.0	17.98	67.0	347.0	414.0	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0
TF	IKAYE	FLY_BY	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0
TF	WGGNR	FLY_BY	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0	3.46	25.55	17428.75	300.0	7.7	82.0	405.0	487.0
TF	KWANG	FLY_BY	3.46	25.55	17428.75	300.0	7.7	82.0	405.0	487.0	0.0		23088.29	300.0	0.0	93.0	447.0	517.0

## RW24R:KWANG Criteria Failures

No failures.

MUCLR



# Route Evaluation for RW24R:RZS

Required Engagement Climb Gradient (ft/NM): 500.0

## RW24R:RZS 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			+640.0			0.06	1.05	1.05
DF	FABRA	FLY_BY	+900.0	-3000.0		1.75	0.65	0.0
TF	ENNEY_	FLY_BY	+1300.0	-5000.0		0.03	2.05	1.0
TF	NAANC	FLY_BY				0.15	6.92	1.0
TF	MUELR	FLY_BY				35.96	11.14	2.5
TF	FIXIT	FLY_BY	10000.0		290	53.22	7.07	5.18
TF	IKAYE	FLY_BY				52.79	10.16	5.88
TF	WGGNR	FLY_BY				1.01	11.05	3.2
TF	SCHOR	FLY_BY				0.31	8.94	1.0
TF	RZS	FLY_BY					23.72	1.0

## RW24R:RZS Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0
DF	FABRA	FLY_BY	0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0	1.2	78.17	963.03	265.0	1.0	30.0	276.0	306.0
TF	ENNEY_	FLY_BY	1.2	78.17	963.03	265.0	1.0	30.0	276.0	306.0	0.0		1986.59	265.0	0.0	30.0	280.0	310.0
TF	NAANC	FLY_BY	0.0		1986.59	265.0	0.0	30.0	280.0	310.0	0.13	104.03	5449.35	265.0	1.0	58.0	295.0	353.0
TF	MUELR	FLY_BY	0.13	104.03	5449.35	265.0	1.0	58.0	295.0	353.0	2.5	7.7	10000.0	290.0	17.98	67.0	347.0	414.0
TF	FIXIT	FLY_BY	2.5	7.7	10000.0	290.0	17.98	67.0	347.0	414.0	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0
TF	IKAYE	FLY_BY	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0
TF	WGGNR	FLY_BY	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0	1.74	197.99	17428.75	300.0	1.0	82.0	405.0	487.0
TF	SCHOR	FLY_BY	1.74	197.99	17428.75	300.0	1.0	82.0	405.0	487.0	0.11	40.15	20561.82	300.0	5.0	88.0	427.0	491.0
TF	RZS	FLY_BY	0.11	40.15	20561.82	300.0	5.0	88.0	427.0	491.0	0.0		28872.96	300.0	0.0	104.0	496.0	570.0

## RW24R:RZS Criteria Failures

No failures.

# Route Evaluation for RW25L:KWANG

Required Engagement Climb Gradient (ft/NM): 500.0

## RW25L:KWANG 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			+640.0			0.08	1.04	1.04
DF	HIIPR_	FLY_BY	+820.0	-3000.0		4.83	0.82	0.0
TF	EVOSE_	FLY_BY	+1300.0	-5000.0		3.36	2.19	1.0
TF	MKGEE	FLY_BY				4.81	6.44	1.0
TF	MUELR	FLY_BY				31.62	11.89	2.5
TF	FIXIT	FLY_BY	10000.0		290	53.22	7.07	5.18
TF	IKAYE	FLY_BY				52.79	10.16	5.88
TF	WGGNR	FLY_BY				15.41	11.05	6.65
TF	KWANG	FLY_BY					16.15	3.46

## RW25L:KWANG Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0
DF	HIIPR_	FLY_BY	0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0	1.36	32.33	1051.78	265.0	2.42	30.0	276.0	306.0
TF	EVOSE_	FLY_BY	1.36	32.33	1051.78	265.0	2.42	30.0	276.0	306.0	1.61	54.79	2144.44	265.0	1.68	51.0	281.0	332.0
TF	MKGEE	FLY_BY	1.61	54.79	2144.44	265.0	1.68	51.0	281.0	332.0	1.82	43.21	5364.31	265.0	2.41	58.0	295.0	353.0
TF	MUELR	FLY_BY	1.82	43.21	5364.31	265.0	2.41	58.0	295.0	353.0	2.5	8.82	10000.0	290.0	15.81	67.0	347.0	414.0
TF	FIXIT	FLY_BY	2.5	8.82	10000.0	290.0	15.81	67.0	347.0	414.0	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0
TF	IKAYE	FLY_BY	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0
TF	WGGNR	FLY_BY	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0	3.46	25.55	17428.75	300.0	7.7	82.0	405.0	487.0
TF	KWANG	FLY_BY	3.46	25.55	17428.75	300.0	7.7	82.0	405.0	487.0	0.0		23088.29	300.0	0.0	93.0	447.0	517.0

## RW25L:KWANG Criteria Failures

No failures.

# Route Evaluation for RW25L:RZS

Required Engagement Climb Gradient (ft/NM): 500.0

## RW25L:RZS 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			+640.0			0.08	1.04	1.04
DF	HIIPR_	FLY_BY	+820.0	-3000.0		4.83	0.82	0.0
TF	EVOSE_	FLY_BY	+1300.0	-5000.0		3.36	2.19	1.0
TF	MKGEE	FLY_BY				4.81	6.44	1.0
TF	MUELR	FLY_BY				31.62	11.89	2.5
TF	FIXIT	FLY_BY	10000.0		290	53.22	7.07	5.18
TF	IKAYE	FLY_BY				52.79	10.16	5.88
TF	WGGNR	FLY_BY				1.01	11.05	3.2
TF	SCHOR	FLY_BY				0.31	8.94	1.0
TF	RZS	FLY_BY					23.72	1.0

## RW25L:RZS Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0
DF	HIIPR_	FLY_BY	0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0	1.36	32.33	1051.78	265.0	2.42	30.0	276.0	306.0
TF	EVOSE_	FLY_BY	1.36	32.33	1051.78	265.0	2.42	30.0	276.0	306.0	1.61	54.79	2144.44	265.0	1.68	51.0	281.0	332.0
TF	MKGEE	FLY_BY	1.61	54.79	2144.44	265.0	1.68	51.0	281.0	332.0	1.82	43.21	5364.31	265.0	2.41	58.0	295.0	353.0
TF	MUELR	FLY_BY	1.82	43.21	5364.31	265.0	2.41	58.0	295.0	353.0	2.5	8.82	10000.0	290.0	15.81	67.0	347.0	414.0
TF	FIXIT	FLY_BY	2.5	8.82	10000.0	290.0	15.81	67.0	347.0	414.0	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0
TF	IKAYE	FLY_BY	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0
TF	WGGNR	FLY_BY	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0	1.74	197.99	17428.75	300.0	1.0	82.0	405.0	487.0
TF	SCHOR	FLY_BY	1.74	197.99	17428.75	300.0	1.0	82.0	405.0	487.0	0.11	40.15	20561.82	300.0	5.0	88.0	427.0	491.0
TF	RZS	FLY_BY	0.11	40.15	20561.82	300.0	5.0	88.0	427.0	491.0	0.0		28872.96	300.0	0.0	104.0	496.0	570.0

## RW25L:RZS Criteria Failures

No failures.

MUELR

# Route Evaluation for RW25R:KWANG

Required Engagement Climb Gradient (ft/NM): 500.0

## RW25R:KWANG 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			+640.0			0.08	1.04	1.04
DF	DOCKR_	FLY_BY	+840.0	-3000.0		1.44	0.91	0.0
TF	EVOSE_	FLY_BY	+1300.0	-5000.0		0.04	2.09	1.0
TF	MKGEE	FLY_BY				4.81	6.44	1.0
TF	MUCLR	FLY_BY				31.62	11.89	2.5
TF	FIXIT	FLY_BY	10000.0		290	53.22	7.07	5.18
TF	IKAYE	FLY_BY				52.79	10.16	5.88
TF	WGGNR	FLY_BY				15.41	11.05	6.65
TF	KWANG	FLY_BY					16.15	3.46

## RW25R:KWANG Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0
DF	DOCKR_	FLY_BY	0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0	0.98	78.17	1095.29	265.0	1.0	30.0	276.0	306.0
TF	EVOSE_	FLY_BY	0.98	78.17	1095.29	265.0	1.0	30.0	276.0	306.0	0.03	92.02	2139.61	265.0	1.0	51.0	281.0	332.0
TF	MKGEE	FLY_BY	0.03	92.02	2139.61	265.0	1.0	51.0	281.0	332.0	1.82	43.21	5359.48	265.0	2.41	58.0	295.0	353.0
TF	MUCLR	FLY_BY	1.82	43.21	5359.48	265.0	2.41	58.0	295.0	353.0	2.5	8.82	10000.0	290.0	15.81	67.0	347.0	414.0
TF	FIXIT	FLY_BY	2.5	8.82	10000.0	290.0	15.81	67.0	347.0	414.0	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0
TF	IKAYE	FLY_BY	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0
TF	WGGNR	FLY_BY	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0	3.46	25.55	17428.75	300.0	7.7	82.0	405.0	487.0
TF	KWANG	FLY_BY	3.46	25.55	17428.75	300.0	7.7	82.0	405.0	487.0	0.0		23088.29	300.0	0.0	93.0	447.0	517.0

## RW25R:KWANG Criteria Failures

No failures.

MUCLR

# Route Evaluation for RW25R:RZS

Required Engagement Climb Gradient (ft/NM): 500.0

## RW25R:RZS 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			+640.0			0.08	1.04	1.04
DF	DOCKR_	FLY_BY	+840.0	-3000.0		1.44	0.91	0.0
TF	EVOSE_	FLY_BY	+1300.0	-5000.0		0.04	2.09	1.0
TF	MKGEE	FLY_BY				4.81	6.44	1.0
TF	MUELR	FLY_BY				31.62	11.89	2.5
TF	FIXIT	FLY_BY	10000.0		290	53.22	7.07	5.18
TF	IKAYE	FLY_BY				52.79	10.16	5.88
TF	WGGNR	FLY_BY				1.01	11.05	3.2
TF	SCHOR	FLY_BY				0.31	8.94	1.0
TF	RZS	FLY_BY					23.72	1.0

## RW25R:RZS Evaluation Results Part 2/2

Leg Tp	End Pt	Turn Tp	DTA1	DTA1 Turn Rad	DTA1 Turn Alt	DTA1 Turn Spd	DTA1 Bank Ang	DTA1 Tailwind	DTA1 True Airspd	DTA1 vGround	DTA2	DTA2 Turn Rad	DTA2 Turn Alt	DTA2 Turn Spd	DTA2 Bank Ang	DTA2 Tailwind	DTA2 True Airspd	DTA2 vGround
VA					0.0	0.0					0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0
DF	DOCKR_	FLY_BY	0.0	2.89	640.0	265.0	25.0	30.0	274.0	304.0	0.98	78.17	1095.29	265.0	1.0	30.0	276.0	306.0
TF	EVOSE_	FLY_BY	0.98	78.17	1095.29	265.0	1.0	30.0	276.0	306.0	0.03	92.02	2139.61	265.0	1.0	51.0	281.0	332.0
TF	MKGEE	FLY_BY	0.03	92.02	2139.61	265.0	1.0	51.0	281.0	332.0	1.82	43.21	5359.48	265.0	2.41	58.0	295.0	353.0
TF	MUELR	FLY_BY	1.82	43.21	5359.48	265.0	2.41	58.0	295.0	353.0	2.5	8.82	10000.0	290.0	15.81	67.0	347.0	414.0
TF	FIXIT	FLY_BY	2.5	8.82	10000.0	290.0	15.81	67.0	347.0	414.0	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0
TF	IKAYE	FLY_BY	2.69	5.36	10000.0	290.0	25.0	67.0	347.0	414.0	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0
TF	WGGNR	FLY_BY	3.2	6.44	13557.78	300.0	25.0	74.0	380.0	454.0	1.74	197.99	17428.75	300.0	1.0	82.0	405.0	487.0
TF	SCHOR	FLY_BY	1.74	197.99	17428.75	300.0	1.0	82.0	405.0	487.0	0.11	40.15	20561.82	300.0	5.0	88.0	427.0	491.0
TF	RZS	FLY_BY	0.11	40.15	20561.82	300.0	5.0	88.0	427.0	491.0	0.0		28872.96	300.0	0.0	104.0	496.0	570.0

## RW25R:RZS Criteria Failures

No failures.

## Evaluation Input

MUELR

Name:	RS Results MUELR from KLAX
Project:	LAX MUELR3 SID_505-Paperwork_12E-NEW24L_20160426
Last evaluated:	26-Apr-2016 11:58:38
Evaluated obstacles?:	false
Obstacle Database:	-
Evaluated terrain?:	false
Worst Case Vegetation Height (ft) AGL:	0
Wind Spiral Limiting Splay Angle (deg):	-
IDF Course Change Override?:	false

### Procedure Criteria Failures

No failures.

### Evaluation Notes and Warnings

RDEW1: In the route beginning at RW24L and ending at KWANG, the Fix DLREY, has a Minimum Climb Gradient Calculation Altitude 734.5904482491314 is less than the Altitude Restriction 820.0.

RDEW1: In the route beginning at RW24L and ending at KWANG, the Fix ENNEY\_, has a Minimum Climb Gradient Calculation Altitude 1140.6139146499336 is less than the Altitude Restriction 1300.0.

RDEW1: In the route beginning at RW24L and ending at KWANG, the Fix FIXIT, has a Minimum Climb Gradient Calculation Altitude 6168.694972321391 is less than the Altitude Restriction 10000.0.

RDEW1: In the route beginning at RW24L and ending at RZS, the Fix DLREY, has a Minimum Climb Gradient Calculation Altitude 734.5904482491314 is less than the Altitude Restriction 820.0.

RDEW1: In the route beginning at RW24L and ending at RZS, the Fix ENNEY\_, has a Minimum Climb Gradient Calculation Altitude 1140.6139146499336 is less than the Altitude Restriction 1300.0.

RDEW1: In the route beginning at RW24L and ending at RZS, the Fix FIXIT, has a Minimum Climb Gradient Calculation Altitude 6168.694972321391 is less than the Altitude Restriction 10000.0.

RDEW1: In the route beginning at RW24R and ending at KWANG, the Fix FABRA, has a Minimum Climb Gradient Calculation Altitude 769.2110653370619 is less than the Altitude Restriction 900.0.

RDEW1: In the route beginning at RW24R and ending at KWANG, the Fix ENNEY\_, has a Minimum Climb Gradient Calculation Altitude 1178.6270965747535 is less than the Altitude Restriction 1300.0.

RDEW1: In the route beginning at RW24R and ending at KWANG, the Fix FIXIT, has a Minimum Climb Gradient Calculation Altitude 6206.717303026468 is less than the Altitude Restriction 10000.0.

RDEW1: In the route beginning at RW24R and ending at RZS, the Fix FABRA, has a Minimum Climb Gradient Calculation Altitude 769.2110653370619 is less than the Altitude Restriction 900.0.

RDEW1: In the route beginning at RW24R and ending at RZS, the Fix ENNEY\_, has a Minimum Climb Gradient Calculation Altitude 1178.6270965747535 is less than the Altitude Restriction 1300.0.

RDEW1: In the route beginning at RW24R and ending at RZS, the Fix FIXIT, has a Minimum Climb Gradient Calculation Altitude 6206.717303026468 is less than the Altitude Restriction 10000.0.

RDEW1: In the route beginning at RW25L and ending at KWANG, the Fix HIIPR\_, has a Minimum Climb Gradient Calculation Altitude 804.712194468826 is less than the Altitude Restriction 820.0.

RDEW1: In the route beginning at RW25L and ending at KWANG, the Fix EVOSE\_, has a Minimum Climb Gradient Calculation Altitude 1241.7623381651938 is less than the Altitude Restriction 1300.0.

RDEW1: In the route beginning at RW25L and ending at KWANG, the Fix FIXIT, has a Minimum Climb Gradient Calculation Altitude 6321.814356736839 is less than the Altitude Restriction 10000.0.

RDEW1: In the route beginning at RW25L and ending at RZS, the Fix HIIPR\_, has a Minimum Climb Gradient Calculation Altitude 804.712194468826 is less than the Altitude Restriction 820.0.

RDEW1: In the route beginning at RW25L and ending at RZS, the Fix EVOSE\_, has a Minimum Climb Gradient Calculation Altitude 1241.7623381651938 is less than the Altitude Restriction 1300.0.

RDEW1: In the route beginning at RW25L and ending at RZS, the Fix FIXIT, has a Minimum Climb Gradient Calculation Altitude 6321.814356736839 is less than the Altitude Restriction 10000.0.

RDEW1: In the route beginning at RW25R and ending at KWANG, the Fix DOCKR\_, has a Minimum Climb Gradient Calculation Altitude 822.1136125922203 is less than the Altitude Restriction 840.0.

RDEW1: In the route beginning at RW25R and ending at KWANG, the Fix EVOSE\_, has a Minimum Climb Gradient Calculation Altitude 1239.8297246918082 is less than the Altitude Restriction 1300.0.

RDEW1: In the route beginning at RW25R and ending at KWANG, the Fix FIXIT, has a Minimum Climb Gradient Calculation Altitude 6319.881273329258 is less than the Altitude Restriction 10000.0.

RDEW1: In the route beginning at RW25R and ending at RZS, the Fix DOCKR\_, has a Minimum Climb Gradient Calculation Altitude 822.1136125922203 is less than the Altitude Restriction 840.0.

RDEW1: In the route beginning at RW25R and ending at RZS, the Fix EVOSE\_, has a Minimum Climb Gradient Calculation Altitude 1239.8297246918082 is less than the Altitude Restriction 1300.0.  
RDEW1: In the route beginning at RW25R and ending at RZS, the Fix FIXIT, has a Minimum Climb Gradient Calculation Altitude 6319.881273329258 is less than the Altitude Restriction 10000.0.

### Database Effective Dates

Database	Date
UddfObstacle	03/09/2015
Tiled AIRNAV2	N/A
OEAAA	N/A
NFDC	03/31/2016
IFP_OFFLINE	N/A
AVNIS	04/26/2016
DOF	03/31/2016
AVNII_OFFLINE	N/A
AIRNAV2	04/26/2016
CIFP	03/31/2016



**Notes:**