

# **RNAV (RNP) Z Rwy 13R Admt 1 6.3.16**

**Point Of Contact**

**ATC Facility Name -**

**POC's Name -**

**Telephone Number -**

**FAX Number -**

**Email Address -**

**TARGETS Distribution Package**

## Path From FERNN\_IPDS Leg Table 1/2

Segment	Leg Type	Start	End	Turn Type	RNP	Min End Fix Alt	Max End Fix Alt	Leg Length (NMI)	Leg Length (FT)	Start Course True	End Course True	Course Change	Turn Dir
INITIAL	IF	FERNN_IPDS	FERNN_IPDS	FB	1.0	10000.00	10000.00	0.00	0.00000				
INITIAL	TF	FERNN_IPDS	JEVOK_IPDS	FB	1.0	10000.00		7.04	42753.55524	142.08	142.13		LEFT
INITIAL	RF	JEVOK_IPDS	CUXIT [AVNIS]	FB	1.0	7100.00		13.30	80782.12099	142.17	340.88	161.30	LEFT
INITIAL	TF	CUXIT [AVNIS]	HOPLI_IPDS	FB	1.0	7100.00		5.93	36047.98251	340.88	340.85		LEFT
INITIAL	RF	HOPLI_IPDS	YOCUL_IPDS	FB	1.0	7000.00		5.15	31265.52369	340.85	297.68	43.17	LEFT
INITIAL	RF	YOCUL_IPDS	WASAK_IPDS	FB	1.0	6000.00		6.81	41405.85954	297.68	219.52	78.16	LEFT
INTERMEDIATE	RF	WASAK_IPDS	LACIV_IPDS	FB	1.0	4400.00		5.02	30527.32185	219.52	203.45	16.07	LEFT
INTERMEDIATE	RF	LACIV_IPDS	FIVUT_IPDS	FB	1.0	3800.00		1.89	11470.49757	203.45	188.15	15.30	LEFT
INTERMEDIATE	RF	FIVUT_IPDS	JEXOT_IPDS	FB	1.0	2900.22	2900.22	2.85	17293.06416	188.15	169.36	18.79	LEFT
FINAL	RF	JEXOT_IPDS	NUDCI_IPDS	FB	0.3			3.73	22658.81022	169.36	143.36	26.00	LEFT
FINAL	TF	NUDCI_IPDS	KPSP:RW13R:AER	FB	0.3			3.82	23210.74341	143.36	143.39		
MISSED_APPROACH	CA			FB	1.0	876.00	876.00	1.90	11541.58136	143.40	143.40		CLOS EST
MISSED_APPROACH	DF		TRM [AVNIS]	FB	1.0			19.69	119608.71742	123.40	123.40		CLOS EST

## Path From FERNN\_IPDS Leg Table 2/2

Segment	Leg Type	Start	End	Turn Type	End Fix Speed Restriction	RF Leg Radius	Flyby Turn Bank Angle Override	Tailwind Component Override	RF Leg Arc Center	Reduced ROC
INITIAL	IF	FERNN_IPDS	FERNN_IPDS	FB						
INITIAL	TF	FERNN_IPDS	JEVOK_IPDS	FB	-210.0					
INITIAL	RF	JEVOK_IPDS	CUXIT [AVNIS]	FB		4.7200			CFWDS_TARG	
INITIAL	TF	CUXIT [AVNIS]	HOPLI_IPDS	FB						
INITIAL	RF	HOPLI_IPDS	YOCUL_IPDS	FB		6.8345			CFWMC_TARG	
INITIAL	RF	YOCUL_IPDS	WASAK_IPDS	FB		5.0000			CFWMD_IPDS	
INTERMEDIATE	RF	WASAK_IPDS	LACIV_IPDS	FB		17.9466			CFWMN_IPDS	
INTERMEDIATE	RF	LACIV_IPDS	FIVUT_IPDS	FB		7.0716			CFWNF_IPDS	
INTERMEDIATE	RF	FIVUT_IPDS	JEXOT_IPDS	FB		8.6791			CFWNM_IPDS	
FINAL	RF	JEXOT_IPDS	NUDCI_IPDS	FB		8.2129			CFWNT_IPDS	
FINAL	TF	NUDCI_IPDS	KPSP:RW13R:AER	FB						
MISSED_APPROACH	CA			FB						
MISSED_APPROACH	DF		TRM [AVNIS]	FB						

## Path From SBONO Leg Table 1/2

Segment	Leg Type	Start	End	Turn Type	RNP	Min End Fix Alt	Max End Fix Alt	Leg Length (NMI)	Leg Length (FT)	Start Course True	End Course True	Course Change	Turn Dir
INITIAL	IF	SBONO [AVNIS]	SBONO [AVNIS]	FB	1.0	9000.00		0.00	0.00000				
INITIAL	TF	SBONO [AVNIS]	YAGUS_IPDS	FB	1.0	8000.00		4.72	28688.57610	265.68	265.63		RIGHT
INITIAL	RF	YAGUS_IPDS	CUXIT [AVNIS]	FB	1.0	7100.00		7.83	47605.03171	265.63	340.88	75.25	RIGHT
INITIAL	TF	CUXIT [AVNIS]	HOPLI_IPDS	FB	1.0	7100.00		5.93	36047.98251	340.88	340.85		LEFT
INITIAL	RF	HOPLI_IPDS	YOCUL_IPDS	FB	1.0	7000.00		5.15	31265.52369	340.85	297.68	43.17	LEFT
INITIAL	RF	YOCUL_IPDS	WASAK_IPDS	FB	1.0	6000.00		6.81	41405.85954	297.68	219.52	78.16	LEFT
INTERMEDIATE	RF	WASAK_IPDS	LACIV_IPDS	FB	1.0	4400.00		5.02	30527.32185	219.52	203.45	16.07	LEFT
INTERMEDIATE	RF	LACIV_IPDS	FIVUT_IPDS	FB	1.0	3800.00		1.89	11470.49757	203.45	188.15	15.30	LEFT
INTERMEDIATE	RF	FIVUT_IPDS	JEXOT_IPDS	FB	1.0	2900.22	2900.22	2.85	17293.06416	188.15	169.36	18.79	LEFT
FINAL	RF	JEXOT_IPDS	NUDCI_IPDS	FB	0.3			3.73	22658.81022	169.36	143.36	26.00	LEFT
FINAL	TF	NUDCI_IPDS	KPSP:RW13R:AER	FB	0.3			3.82	23210.74341	143.36	143.39		
MISSED_APPROACH	CA			FB	1.0	876.00	876.00	1.90	11541.58136	143.40	143.40		CLOS EST
MISSED_APPROACH	DF		TRM [AVNIS]	FB	1.0			19.69	119608.71742	123.40	123.40		CLOS EST

## Path From SBONO Leg Table 2/2

Segment	Leg Type	Start	End	Turn Type	End Fix Speed Restriction	RF Leg Radius	Flyby Turn Bank Angle Override	Tailwind Component Override	RF Leg Arc Center	Reduced ROC
INITIAL	IF	SBONO [AVNIS]	SBONO [AVNIS]	FB						
INITIAL	TF	SBONO [AVNIS]	YAGUS_IPDS	FB	-210.0					
INITIAL	RF	YAGUS_IPDS	CUXIT [AVNIS]	FB		5.9600			CFWDB_TARG	
INITIAL	TF	CUXIT [AVNIS]	HOPLI_IPDS	FB						
INITIAL	RF	HOPLI_IPDS	YOCUL_IPDS	FB		6.8345			CFWMC_TARG	
INITIAL	RF	YOCUL_IPDS	WASAK_IPDS	FB		5.0000			CFWMD_IPDS	
INTERMEDIATE	RF	WASAK_IPDS	LACIV_IPDS	FB		17.9466			CFWMN_IPDS	
INTERMEDIATE	RF	LACIV_IPDS	FIVUT_IPDS	FB		7.0716			CFWNF_IPDS	
INTERMEDIATE	RF	FIVUT_IPDS	JEXOT_IPDS	FB		8.6791			CFWNM_IPDS	
FINAL	RF	JEXOT_IPDS	NUDCI_IPDS	FB		8.2129			CFWNT_IPDS	
FINAL	TF	NUDCI_IPDS	KPSP:RW13R:AER	FB						
MISSED_APPROACH	CA			FB						
MISSED_APPROACH	DF		TRM [AVNIS]	FB						

## Path From TRM Leg Table 1/2

Segment	Leg Type	Start	End	Turn Type	RNP	Min End Fix Alt	Max End Fix Alt	Leg Length (NMI)	Leg Length (FT)	Start Course True	End Course True	Course Change	Turn Dir
INITIAL	IF	TRM [AVNIS]	TRM [AVNIS]	FB	1.0	9000.00		0.00	0.00000				
INITIAL	TF	TRM [AVNIS]	CUXIT [AVNIS]	FB	1.0	7100.00		20.69	125727.25722	340.79	340.71	0.16	RIGHT
INITIAL	TF	CUXIT [AVNIS]	HOPLI_IPDS	FB	1.0	7100.00		5.93	36047.98251	340.88	340.85		LEFT
INITIAL	RF	HOPLI_IPDS	YOCUL_IPDS	FB	1.0	7000.00		5.15	31265.52369	340.85	297.68	43.17	LEFT
INITIAL	RF	YOCUL_IPDS	WASAK_IPDS	FB	1.0	6000.00		6.81	41405.85954	297.68	219.52	78.16	LEFT
INTERMEDIATE	RF	WASAK_IPDS	LACIV_IPDS	FB	1.0	4400.00		5.02	30527.32185	219.52	203.45	16.07	LEFT
INTERMEDIATE	RF	LACIV_IPDS	FIVUT_IPDS	FB	1.0	3800.00		1.89	11470.49757	203.45	188.15	15.30	LEFT
INTERMEDIATE	RF	FIVUT_IPDS	JEXOT_IPDS	FB	1.0	2900.22	2900.22	2.85	17293.06416	188.15	169.36	18.79	LEFT
FINAL	RF	JEXOT_IPDS	NUDCI_IPDS	FB	0.3			3.73	22658.81022	169.36	143.36	26.00	LEFT
FINAL	TF	NUDCI_IPDS	KPSP:RW13R:AER	FB	0.3			3.82	23210.74341	143.36	143.39		
MISSED_APPROACH	CA			FB	1.0	876.00	876.00	1.90	11541.58136	143.40	143.40		CLOS EST
MISSED_APPROACH	DF		TRM [AVNIS]	FB	1.0			19.69	119608.71742	123.40	123.40		CLOS EST

## Path From TRM Leg Table 2/2

Segment	Leg Type	Start	End	Turn Type	End Fix Speed Restriction	RF Leg Radius	Flyby Turn Bank Angle Override	Tailwind Component Override	RF Leg Arc Center	Reduced ROC
INITIAL	IF	TRM [AVNIS]	TRM [AVNIS]	FB						
INITIAL	TF	TRM [AVNIS]	CUXIT [AVNIS]	FB						
INITIAL	TF	CUXIT [AVNIS]	HOPLI_IPDS	FB						
INITIAL	RF	HOPLI_IPDS	YOCUL_IPDS	FB		6.8345			CFWMC_T ARG	
INITIAL	RF	YOCUL_IPDS	WASAK_IPDS	FB		5.0000			CFWMD_IP DS	
INTERMEDIATE	RF	WASAK_IPDS	LACIV_IPDS	FB		17.9466			CFWMN_IP DS	
INTERMEDIATE	RF	LACIV_IPDS	FIVUT_IPDS	FB		7.0716			CFWNF_IP DS	
INTERMEDIATE	RF	FIVUT_IPDS	JEXOT_IPDS	FB		8.6791			CFWNM_IP DS	
FINAL	RF	JEXOT_IPDS	NUDCI_IPDS	FB		8.2129			CFWNT_IP DS	
FINAL	TF	NUDCI_IPDS	KPSP:RW13R:AER	FB						
MISSED_APPROACH	CA			FB						
MISSED_APPROACH	DF		TRM [AVNIS]	FB						

## Waypoint Data

DB	Waypoint	Latitude (Deg)	Longitude (Deg)	Latitude (Deg, Decimal Min)	Longitude (Deg, Decimal Min)	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")
	CFWDB_TARG WP	N 33.98682	W 116.18376	N33 59.20912	W116 11.02568	N33 59 12.54745	W116 11 1.54094
	CFWDS_TARG WP	N 33.92842	W 116.38595	N33 55.70512	W116 23.15706	N33 55 42.30706	W116 23 9.42335
	CFWMC_TARG WP	N 34.01036	W 116.46506	N34 0.62149	W116 27.90348	N34 00 37.28970	W116 27 54.20884
	CFWMD_IPDS WP	N 34.03749	W 116.44799	N34 2.24937	W116 26.87928	N34 02 14.96200	W116 26 52.75700
	CFWMN_IPDS WP	N 33.89964	W 116.24814	N33 53.97857	W116 14.88867	N33 53 58.71400	W116 14 53.32000
	CFWNF_IPDS WP	N 33.97228	W 116.44780	N33 58.33680	W116 26.86793	N33 58 20.20800	W116 26 52.07600
	CFWNM_IPDS WP	N 33.96843	W 116.41592	N33 58.10603	W116 24.95498	N33 58 6.36200	W116 24 57.29900
	CFWNT_IPDS WP	N 33.96701	W 116.42510	N33 58.02057	W116 25.50612	N33 58 1.23400	W116 25 30.36700
AVNIS	CUXIT	N 33.95427	W 116.29663	N33 57.25617	W116 17.79767	N33 57 15.37000	W116 17 47.86000
	FERNN_IPDS WP	N 33.97282	W 116.54719	N33 58.36900	W116 32.83147	N33 58 22.14000	W116 32 49.88800
	FIVUT_IPDS WP	N 33.98910	W 116.58808	N33 59.34598	W116 35.28493	N33 59 20.75900	W116 35 17.09600
	HOPLI_IPDS WP	N 34.04785	W 116.33561	N34 2.87110	W116 20.13678	N34 02 52.26600	W116 20 8.20700
	JEVOK_IPDS WP	N 33.88011	W 116.46062	N33 52.80653	W116 27.63747	N33 52 48.39200	W116 27 38.24800
	JEXOT_IPDS WP	N 33.94180	W 116.58685	N33 56.50825	W116 35.21103	N33 56 30.49500	W116 35 12.66200
	LACIV_IPDS WP	N 34.01934	W 116.57781	N34 1.16028	W116 34.66843	N34 01 9.61700	W116 34 40.10600
	NUDCI_IPDS WP	N 33.88525	W 116.55716	N33 53.11513	W116 33.42988	N33 53 6.90800	W116 33 25.79300
AVNIS	SBONO	N 33.89358	W 116.08039	N33 53.61450	W116 4.82350	N33 53 36.87000	W116 04 49.41000
AVNIS	TRM	N 33.62809	W 116.16020	N33 37.68567	W116 9.61183	N33 37 41.14000	W116 09 36.71000
	WASAK_IPDS WP	N 34.09064	W 116.52534	N34 5.43828	W116 31.52043	N34 05 26.29700	W116 31 31.22600
	YAGUS_IPDS WP	N 33.88760	W 116.17465	N33 53.25587	W116 10.47895	N33 53 15.35200	W116 10 28.73700
	YOCUL_IPDS WP	N 34.11143	W 116.40141	N34 6.68553	W116 24.08442	N34 06 41.13200	W116 24 5.06500



# RS Results RNAV (RNP) Z Rwy 13R Admt 1 6.3.16

Last Evaluation: 05-Jun-2016 10:09:56

Reference Software Version: 1.3.6

## Path Evaluation for SBONO

Flight Evaluation Table 1

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Max Spd	Turn Ang	Leg Length	Min Seg Length
IF	SBONO		+9000.0				0.0	0.0
TF	YAGUS_IPDS	FLY_BY	+8000.0		-210		4.72	1.0
RF	CUXIT	FLY_BY	+7100.0				7.83	0.2
TF	HOPLI_IPDS	FLY_BY	+7100.0				5.93	1.0
RF	YOCUL_IPDS	FLY_BY	+7000.0				5.15	0.2
RF	WASAK_IPDS	FLY_BY	+6000.0				6.81	0.2
RF	LACIV_IPDS	FLY_BY	+4400.0				5.02	0.2
RF	FIVUT_IPDS	FLY_BY	+3800.0				1.89	0.2
RF	JEXOT_IPDS	FLY_BY	2900.0				2.85	0.2
RF	NUDCI_IPDS	FLY_BY					3.73	0.2
TF	KPSP:RW13R:AER	FLY_BY					3.82	0.6

## Flight Evaluation Table 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	SBONO				0.0	0.0							0.0	0.0				
TF	YAGUS_I PDS	FLY_BY	0.0		13612.31	300.0	0.0	74.0	380.0	454.0	0.0		12431.92	210.0	0.0	72.0	261.0	333.0
RF	CUXIT	FLY_BY	0.0		12431.92	210.0	0.0	72.0	261.0	333.0	0.0		10473.23	210.0	0.0	68.0	253.0	321.0
TF	HOPLI_I PDS	FLY_BY	0.0		10473.23	210.0	0.0	68.0	253.0	321.0	0.0		8990.04	210.0	0.0	65.0	247.0	312.0
RF	YOCUL_I PDS	FLY_BY	0.0		8990.04	210.0	0.0	65.0	247.0	312.0	0.0		7703.63	210.0	0.0	62.0	242.0	304.0
RF	WASAK_I IPDS	FLY_BY	0.0		7703.63	210.0	0.0	62.0	242.0	304.0	0.0		6000.0	210.0	0.0	59.0	236.0	295.0
RF	LACIV_I PDS	FLY_BY	0.0		6000.0	210.0	0.0	59.0	236.0	295.0	0.0		4400.0	210.0	0.0	56.0	230.0	286.0
RF	FIVUT_I PDS	FLY_BY	0.0		4400.0	210.0	0.0	56.0	230.0	286.0	0.0		3800.0	210.0	0.0	55.0	228.0	283.0
RF	JEXOT_I PDS	FLY_BY	0.0		3800.0	210.0	0.0	55.0	228.0	283.0	0.0		2900.0	165.0	0.0	53.0	177.0	230.0
RF	NUDCI_I PDS	FLY_BY	0.0		2900.0	165.0	0.0	53.0	177.0	230.0	0.0		1713.0	165.0	0.0	30.0	174.0	204.0
TF	KPSP:R W13R:A ER	FLY_BY	0.0		1713.0	165.0	0.0	30.0	174.0	204.0			0.0	0.0				

## Flight Evaluation RF Table

Leg Tp	End Pt	Turn Tp	RF Init Turn Rad	RF Termination Turn Rad	RF Max Bank Angle	RF Bank Angle
RF	CUXIT	FLY_BY	5.96	5.96	25.0	15.0
RF	YOCUL_IPDS	FLY_BY	6.83	6.83	25.0	12.0
RF	WASAK_IPDS	FLY_BY	5.0	5.0	25.0	15.0
RF	LACIV_IPDS	FLY_BY	17.95	17.95	25.0	4.0
RF	FIVUT_IPDS	FLY_BY	7.07	7.07	25.0	10.0
RF	JEXOT_IPDS	FLY_BY	8.68	8.68	25.0	8.0
RF	NUDCI_IPDS	FLY_BY	8.21	8.21	20.0	5.0

## Route Criteria Failures

No failures.
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## Path Evaluation for TRM

### Flight Evaluation Table 1

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Max Spd	Turn Ang	Leg Length	Min Seg Length
IF	TRM		+9000.0				0.0	0.0
TF	CUXIT	FLY_BY	+7100.0			0.16	20.69	1.0
TF	HOPLI_IPDS	FLY_BY	+7100.0				5.93	1.0
RF	YOCUL_IPDS	FLY_BY	+7000.0				5.15	0.2
RF	WASAK_IPDS	FLY_BY	+6000.0				6.81	0.2
RF	LACIV_IPDS	FLY_BY	+4400.0				5.02	0.2
RF	FIVUT_IPDS	FLY_BY	+3800.0				1.89	0.2
RF	JEXOT_IPDS	FLY_BY	2900.0				2.85	0.2
RF	NUDCI_IPDS	FLY_BY					3.73	0.2
TF	KPSP:RW13R:AER	FLY_BY					3.82	0.6

### Flight Evaluation Table 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	TRM				0.0	0.0							0.0	0.0				
TF	CUXIT	FLY_BY	0.0		15646.24	300.0	0.0	78.0	393.0	471.0	0.22	153.64	10473.23	300.0	1.0	68.0	361.0	429.0
TF	HOPLI_IPDS	FLY_BY	0.22	153.64	10473.23	300.0	1.0	68.0	361.0	429.0	0.0		8990.04	250.0	0.0	65.0	294.0	359.0
RF	YOCUL_IPDS	FLY_BY	0.0		8990.04	250.0	0.0	65.0	294.0	359.0	0.0		7703.63	250.0	0.0	62.0	288.0	350.0
RF	WASAK_IPDS	FLY_BY	0.0		7703.63	250.0	0.0	62.0	288.0	350.0	0.0		6000.0	250.0	0.0	59.0	281.0	340.0
RF	LACIV_IPDS	FLY_BY	0.0		6000.0	250.0	0.0	59.0	281.0	340.0	0.0		4400.0	250.0	0.0	56.0	274.0	330.0
RF	FIVUT_IPDS	FLY_BY	0.0		4400.0	250.0	0.0	56.0	274.0	330.0	0.0		3800.0	250.0	0.0	55.0	271.0	326.0
RF	JEXOT_IPDS	FLY_BY	0.0		3800.0	250.0	0.0	55.0	271.0	326.0	0.0		2900.0	165.0	0.0	53.0	177.0	230.0
RF	NUDCI_IPDS	FLY_BY	0.0		2900.0	165.0	0.0	53.0	177.0	230.0	0.0		1713.0	165.0	0.0	30.0	174.0	204.0
TF	KPSP:RW13R:AER	FLY_BY	0.0		1713.0	165.0	0.0	30.0	174.0	204.0			0.0	0.0				

## Flight Evaluation RF Table

Leg Tp	End Pt	Turn Tp	RF Init Turn Rad	RF Termination Turn Rad	RF Max Bank Angle	RF Bank Angle
RF	YOCUL_IPDS	FLY_BY	6.83	6.83	25.0	15.0
RF	WASAK_IPDS	FLY_BY	5.0	5.0	25.0	20.0
RF	LACIV_IPDS	FLY_BY	17.95	17.95	25.0	5.0
RF	FIVUT_IPDS	FLY_BY	7.07	7.07	25.0	13.0
RF	JEXOT_IPDS	FLY_BY	8.68	8.68	25.0	10.0
RF	NUDCI_IPDS	FLY_BY	8.21	8.21	20.0	5.0

## Route Criteria Failures

No failures.

## Path Evaluation for FERNN\_IPDS

### Flight Evaluation Table 1

Leg Tp	End Pt	Turn Tp	Alt Restr	Alt Restr 2	Max Spd	Turn Ang	Leg Length	Min Seg Length
IF	FERNN_IPDS		10000.0				0.0	0.0
TF	JEVOK_IPDS	FLY_BY	+10000.0		-210		7.04	1.0
RF	CUXIT	FLY_BY	+7100.0				13.3	0.2
TF	HOPLI_IPDS	FLY_BY	+7100.0				5.93	1.0
RF	YOCUL_IPDS	FLY_BY	+7000.0				5.15	0.2
RF	WASAK_IPDS	FLY_BY	+6000.0				6.81	0.2
RF	LACIV_IPDS	FLY_BY	+4400.0				5.02	0.2
RF	FIVUT_IPDS	FLY_BY	+3800.0				1.89	0.2
RF	JEXOT_IPDS	FLY_BY	2900.0				2.85	0.2
RF	NUDCI_IPDS	FLY_BY					3.73	0.2
TF	KPSP:RW13R:AER	FLY_BY					3.82	0.6

### Flight Evaluation Table 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	FERNN_IPDS				0.0	0.0							0.0	0.0				
TF	JEVOK_IPDS	FLY_BY	0.0		10000.0	300.0	0.0	67.0	359.0	426.0	0.0		10000.0	210.0	0.0	67.0	251.0	318.0
RF	CUXIT	FLY_BY	0.0		10000.0	210.0	0.0	67.0	251.0	318.0	0.0		10000.0	210.0	0.0	67.0	251.0	318.0
TF	HOPLI_IPDS	FLY_BY	0.0		10000.0	210.0	0.0	67.0	251.0	318.0	0.0		8990.04	210.0	0.0	65.0	247.0	312.0
RF	YOCUL_IPDS	FLY_BY	0.0		8990.04	210.0	0.0	65.0	247.0	312.0	0.0		7703.63	210.0	0.0	62.0	242.0	304.0
RF	WASAK_IPDS	FLY_BY	0.0		7703.63	210.0	0.0	62.0	242.0	304.0	0.0		6000.0	210.0	0.0	59.0	236.0	295.0
RF	LACIV_IPDS	FLY_BY	0.0		6000.0	210.0	0.0	59.0	236.0	295.0	0.0		4400.0	210.0	0.0	56.0	230.0	286.0
RF	FIVUT_IPDS	FLY_BY	0.0		4400.0	210.0	0.0	56.0	230.0	286.0	0.0		3800.0	210.0	0.0	55.0	228.0	283.0
RF	JEXOT_IPDS	FLY_BY	0.0		3800.0	210.0	0.0	55.0	228.0	283.0	0.0		2900.0	165.0	0.0	53.0	177.0	230.0
RF	NUDCI_IPDS	FLY_BY	0.0		2900.0	165.0	0.0	53.0	177.0	230.0	0.0		1713.0	165.0	0.0	30.0	174.0	204.0
TF	KPSP:RW13R:AER	FLY_BY	0.0		1713.0	165.0	0.0	30.0	174.0	204.0			0.0	0.0				

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## Flight Evaluation RF Table

Leg Tp	End Pt	Turn Tp	RF Init Turn Rad	RF Termination Turn Rad	RF Max Bank Angle	RF Bank Angle
RF	CUXIT	FLY_BY	4.72	4.72	25.0	17.0
RF	YOCUL_IPDS	FLY_BY	6.83	6.83	25.0	12.0
RF	WASAK_IPDS	FLY_BY	5.0	5.0	25.0	15.0
RF	LACIV_IPDS	FLY_BY	17.95	17.95	25.0	4.0
RF	FIVUT_IPDS	FLY_BY	7.07	7.07	25.0	10.0
RF	JEXOT_IPDS	FLY_BY	8.68	8.68	25.0	8.0
RF	NUDCI_IPDS	FLY_BY	8.21	8.21	20.0	5.0

## Route Criteria Failures

SAO1.3.22: In the route beginning at FERNN\_IPDS and ending at KPSP:RW13R:AER, the RF leg from JEVOK\_IPDS to CUXIT the start course is 142.17205878035128 which is not tangent to the previous leg's end course of 142.12747929200378.

## Controlling Obstacles

Start Pt	End Pt	Name	Height (ft) AMSL	Effective Height (ft) AMSL
SBONO	YAGUS_IPDS	NONE		
YAGUS_IPDS	CUXIT	NONE		
CUXIT	HOPLI_IPDS	NONE		
HOPLI_IPDS	YOCUL_IPDS	NONE		
YOCUL_IPDS	WASAK_IPDS	NONE		
WASAK_IPDS	LACIV_IPDS	NONE		
LACIV_IPDS	FIVUT_IPDS	NONE		
FIVUT_IPDS	JEXOT_IPDS	NONE		
TRM	CUXIT	NONE		
FERNN_IPDS	JEVOK_IPDS	NONE		
JEVOK_IPDS	CUXIT	NONE		
		NONE		

## Complete Procedure Results Summary

### Evaluation Input

Name:	RS Results RNAV (RNP) Z Rwy 13R Admt 1 6.3.16
Project:	SoCal RNP Master file 5.24.16
Last evaluated:	05-Jun-2016 10:09:56
Evaluated obstacles?:	false
Obstacle Database:	
Evaluated terrain?:	false
Evaluated precipitous terrain?:	false
Worst Case Vegetation Height (ft) AGL:	0
Wind Spiral Limiting Splay Angle (deg):	-

### Approach Input

HATh (ft):	365.0
Height Group:	4
Glidepath Angle (degs):	3.0
Threshold Crossing Height (ft):	45.0
Length of Runway Lighting System (ft):	0.0
Body Geometry:	Wide Body
ACT (degs C):	1.0

### Airport

Name:	PALM SPRINGS INTL
Location:	N33° 49' 46.80",W116° 30' 24.10"
Elevation (ft):	476.4



## Runway

Name:	RW13R
Landing Threshold Point:	N33° 50' 02.63",W116° 30' 41.60"
Elevation (ft):	451.1
DER Location:	N33° 49' 18.94",W116° 30' 02.73"
DER Elevation (ft):	398.2
Course (degs):	143.395
Width (ft):	150

## Reciprocal Runway

Name:	RW31L
Landing Threshold Point:	N33° 49' 18.94",W116° 30' 02.73"
Elevation (ft):	405.0
DER Location:	N33° 50' 02.63",W116° 30' 41.60"
DER Elevation (ft):	476.4
Course (degs):	323.401
Width (ft):	150

## Runways with AC 150/5300-18 Survey

None.
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## Overall Results

Decision Altitude (ft):	816.0
Distance From LTP to DA (ft):	6103.863939682113
DA Point:	N33° 50' 51.09",W116° 31' 24.76"
DHeightloss (ft):	954.0568343864107
ab Point:	N33° 50' 43.52",W116° 31' 18.02"
Minimum Allowable TCH (ft):	45.0
Maximum Allowable TCH (ft):	75.0
Average Cold Temperature (degs C):	1.0
Airport ISA (degs C):	14.056728
Delta ISA Low (degs C):	-13.056728
Low Temperature Limit (degs C):	1.0
Delta ISA High (degs C):	45.96596077681208
High Temperature Limit (degs C):	54.0
DVEB (ft):	3666.1952887825805
Minimum Distance LTP to DA (for Section 1a) (ft):	4621.0
OCS Slope:	20.116258342232335:1
ROC PFAF for TF leg (ft):	350.94776271709304
ROC 250 for TF leg (ft):	237.79903657896318

### Segment and Leg Summary Data

#### InitialFERNN\_IPDS

#### Leg FERNN\_IPDS to JEVOK\_IPDS

Leg Type:	TF
Leg Length (NM):	7.036330258133298
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Termination Minimum Altitude (ft):	10000
Descent Gradient (ft/NM):	0.0

#### Leg JEVOK\_IPDS to CUXIT

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Leg Type:	RF
Leg Length (NM):	13.29503142913165
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	10000
Termination Minimum Altitude (ft):	7100
Descent Gradient (ft/NM):	219.0

**Leg CUXIT to HOPLI\_IPDS**

Leg Type:	TF
Leg Length (NM):	5.932734918699387
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	7100
Termination Minimum Altitude (ft):	7100
Descent Gradient (ft/NM):	0.0

**Leg HOPLI\_IPDS to YOCUL\_IPDS**

Leg Type:	RF
Leg Length (NM):	5.145646809973476
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	7100
Termination Minimum Altitude (ft):	7000
Descent Gradient (ft/NM):	20.0

**Leg YOCUL\_IPDS to WASAK\_IPDS**

Leg Type:	RF
Leg Length (NM):	6.814530471053004
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	7000
Termination Minimum Altitude (ft):	6000
Descent Gradient (ft/NM):	147.0

## InitialTRM

### Leg TRM to CUXIT

Leg Type:	TF
Leg Length (NM):	20.69204535718583
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	9000
Termination Minimum Altitude (ft):	7100
Descent Gradient (ft/NM):	92.0

### Leg CUXIT to HOPLI\_IPDS

Leg Type:	TF
Leg Length (NM):	5.932734918699387
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	7100
Termination Minimum Altitude (ft):	7100
Descent Gradient (ft/NM):	0.0

### Leg HOPLI\_IPDS to YOCUL\_IPDS

Leg Type:	RF
Leg Length (NM):	5.145646809973476
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	7100
Termination Minimum Altitude (ft):	7000
Descent Gradient (ft/NM):	20.0

### Leg YOCUL\_IPDS to WASAK\_IPDS

Leg Type:	RF
Leg Length (NM):	6.814530471053004
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	7000
Termination Minimum Altitude (ft):	6000
Descent Gradient (ft/NM):	147.0

### InitialSBONO

#### Leg SBONO to YAGUS\_IPDS

Leg Type:	TF
Leg Length (NM):	4.721532395074899
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	9000
Termination Minimum Altitude (ft):	8000
Descent Gradient (ft/NM):	212.0

#### Leg YAGUS\_IPDS to CUXIT

Leg Type:	RF
Leg Length (NM):	7.834784517595675
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	8000
Termination Minimum Altitude (ft):	7100
Descent Gradient (ft/NM):	115.0

#### Leg CUXIT to HOPLI\_IPDS

Leg Type:	TF
Leg Length (NM):	5.932734918699387
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	7100
Termination Minimum Altitude (ft):	7100
Descent Gradient (ft/NM):	0.0

**Leg HOPLI\_IPDS to YOCUL\_IPDS**

Leg Type:	RF
Leg Length (NM):	5.145646809973476
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	7100
Termination Minimum Altitude (ft):	7000
Descent Gradient (ft/NM):	20.0

**Leg YOCUL\_IPDS to WASAK\_IPDS**

Leg Type:	RF
Leg Length (NM):	6.814530471053004
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	7000
Termination Minimum Altitude (ft):	6000
Descent Gradient (ft/NM):	147.0

**IntermediateWASAK\_IPDS**

**Leg WASAK\_IPDS to LACIV\_IPDS**

Leg Type:	RF
Leg Length (NM):	5.024173822988264
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	6000
Termination Minimum Altitude (ft):	4400
Descent Gradient (ft/NM):	319.0

**Leg LACIV\_IPDS to FIVUT\_IPDS**

Leg Type:	RF
Leg Length (NM):	1.887802441816893
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	4400
Termination Minimum Altitude (ft):	3800
Descent Gradient (ft/NM):	318.0

**Leg FIVUT\_IPDS to JEXOT\_IPDS**

Leg Type:	RF
Leg Length (NM):	2.846075350361257
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	3800
Termination Mandatory Altitude (ft):	2900
Descent Gradient (ft/NM):	317.0

**Leg WASAK\_IPDS to LACIV\_IPDS**

Leg Type:	RF
Leg Length (NM):	5.024173822988264
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	6000
Termination Minimum Altitude (ft):	4400
Descent Gradient (ft/NM):	319.0

**Leg LACIV\_IPDS to FIVUT\_IPDS**

Leg Type:	RF
Leg Length (NM):	1.887802441816893
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	4400
Termination Minimum Altitude (ft):	3800
Descent Gradient (ft/NM):	318.0

**Leg FIVUT\_IPDS to JEXOT\_IPDS**

Leg Type:	RF
Leg Length (NM):	2.846075350361257
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	3800
Termination Mandatory Altitude (ft):	2900
Descent Gradient (ft/NM):	317.0

**Leg WASAK\_IPDS to LACIV\_IPDS**

Leg Type:	RF
Leg Length (NM):	5.024173822988264
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	6000
Termination Minimum Altitude (ft):	4400
Descent Gradient (ft/NM):	319.0

**Leg LACIV\_IPDS to FIVUT\_IPDS**



Leg Type:	RF
Leg Length (NM):	1.887802441816893
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	4400
Termination Minimum Altitude (ft):	3800
Descent Gradient (ft/NM):	318.0

**Leg FIVUT\_IPDS to JEXOT\_IPDS**

Leg Type:	RF
Leg Length (NM):	2.846075350361257
Leg RNP Value (NM):	1.0
Leg Minimum OCS Height (ft) AMSL:	null
Initial Minimum Altitude (ft):	3800
Termination Mandatory Altitude (ft):	2900
Descent Gradient (ft/NM):	317.0

**Final Segment Results**

TotalLength:	45869.57516248943
D500:	8682.0
DPFAF:	45865.0
DVEB (ft):	3666.1952887825805
Distance from VEB to DA (ft):	4621.0
OCS Slope:	20.116258342232335:1
ROC PFAF for TF leg (ft):	350.94776271709304
ROC 250 for TF leg (ft):	237.79903657896318

**Leg JEXOT\_IPDS to NUDCI\_IPDS**

Leg Type:	RF
Leg Length (NM):	3.729164102029771
Leg RNP Value (NM):	0.3
Glidepath Angle (degs):	3.0

**Leg NUDCI\_IPDS to KPSP:RW13R:AER**

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Leg Type:	TF
Leg Length (NM):	3.81999708022011
Leg RNP Value (NM):	0.3
Glidepath Angle (degs):	3.0

### Procedure Criteria Failures

SAO1.3.26: The length of the Final Segment (Distance: 45,869.575162489430000 ft) does not equal the calculated Dpfaf (Distance: 45,865.000000000000000 ft).

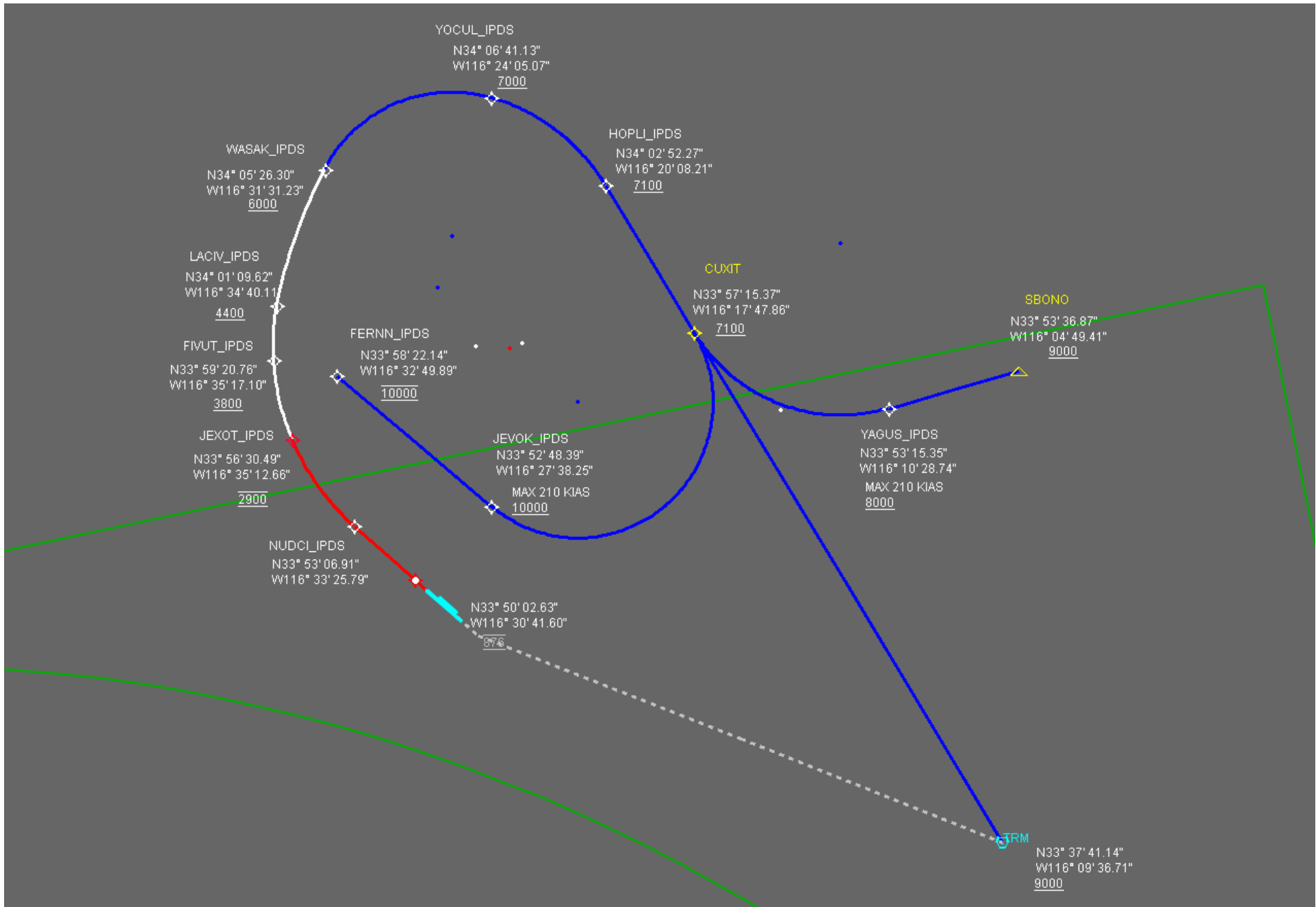
SAO1.3.22: In the route beginning at FERNN\_IPDS and ending at KPSP:RW13R:AER, the RF leg from JEVOK\_IPDS to CUXIT the start course is 142.17205878035128 which is not tangent to the previous leg's end course of 142.12747929200378.

### Evaluation Notes and Warnings

No failures.

### Obstacles Requiring Accuracy Code Verification

None.



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## Database Effective Dates

Database	Date
UddfObstacle	03/09/2015
Tiled AIRNAV2	N/A
OEAAA	N/A
NFDC	05/26/2016
IFP_OFFLINE	N/A
AVNIS	06/05/2016
DOF	05/26/2016
AVNII_OFFLINE	N/A
CIFP	05/26/2016

**Notes:**