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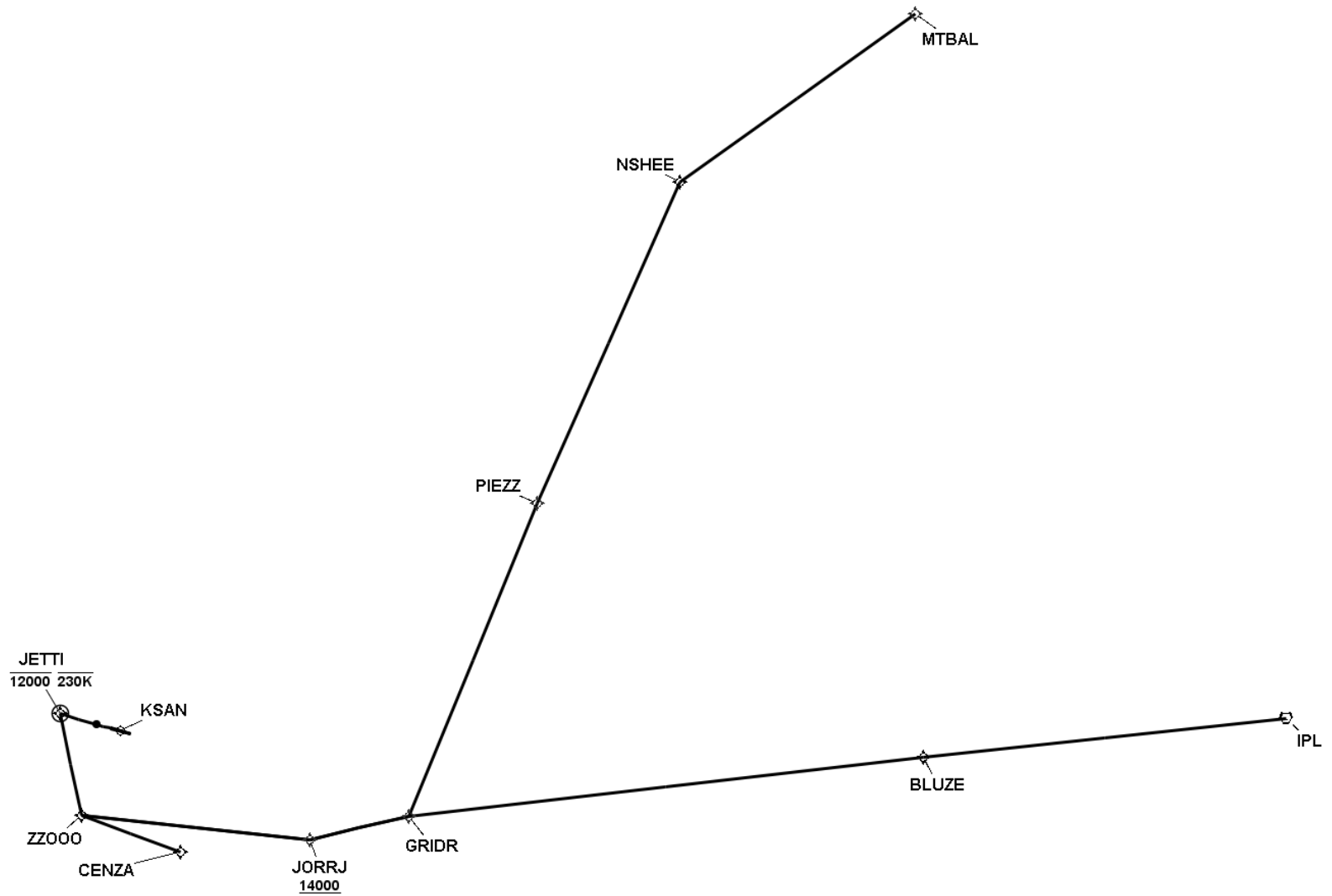
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TARGETS Distribution Package

Version:5.0.5

Date: Mon Feb 08 08:34:05 PST 2016

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Runway Transition Data - RW27

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 RW27	N32 44 13.64	W117 12 15.68												
					VA	286.00	275.00	1.01	+520						
AVNIS	JETTI WP	N32 45 16.55	W117 16 35.53	FO	DF			2.79	-12000	-230					
	ZZOOO WP	N32 37 53.24	W117 14 44.98	FB	DF			7.54							

En Route Transition Data - CENZA

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)
	ZZOOO WP	N32 37 53.24	W117 14 44.98		IF										
	CENZA WP	N32 35 12.14	W117 06 07.85	FB	TF	110.17	99.17	7.76			4000				

En Route Transition Data - IPL

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)
	ZZOOO WP	N32 37 53.24	W117 14 44.98		IF										
	JORRJ WP	N32 36 06.60	W116 54 58.08	FB	TF	95.97	84.97	16.80	+14000		7000				
	GRIDR WP	N32 37 48.81	W116 46 23.52	FB	TF	76.75	65.75	7.44			14000				
	BLUZE WP	N32 42 04.52	W116 01 52.25	FB	TF	83.34	72.34	37.82			15000				
AVNIS	IPL VORTAC	N32 44 55.92	W115 30 30.90	FB	TF	83.71	72.71	26.61			15000				

En Route Transition Data - MTBAL

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)
	ZZOOO WP	N32 37 53.24	W117 14 44.98		IF										
	JORRJ WP	N32 36 06.60	W116 54 58.08	FB	TF	95.97	84.97	16.80	+14000		7000				
	GRIDR WP	N32 37 48.81	W116 46 23.52	FB	TF	76.75	65.75	7.44			14000				
	PIEZZ WP	N33 00 33.89	W116 35 14.81	FB	TF	22.42	11.42	24.57			15000				
	NSHEE WP	N33 23 57.70	W116 22 59.20	FB	TF	23.72	12.72	25.52			15000				
	MTBAL WP	N33 36 11.93	W116 02 32.30	FB	TF	54.37	43.37	21.01			15000				

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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")
	BLUZE WP		324204.52N-1160152.25W	N 32.7012559	W 116.0311805	N32 42.075	W116 01.871	N32 42 04.52	W116 01 52.25
	CENZA WP		323512.14N-1170607.85W	N 32.5867045	W 117.1021795	N32 35.202	W117 06.131	N32 35 12.14	W117 06 07.85
	GRIDR WP		323748.81N-1164623.52W	N 32.6302250	W 116.7732000	N32 37.814	W116 46.392	N32 37 48.81	W116 46 23.52
AVNIS	IPL VORTAC		324455.92N-1153030.90W	N 32.7488667	W 115.5085833	N32 44.932	W115 30.515	N32 44 55.92	W115 30 30.90
AVNIS	JETTI WP		324516.55N-1171635.53W	N 32.7545972	W 117.2765361	N32 45.276	W117 16.592	N32 45 16.55	W117 16 35.53
	JORRJ WP		323606.60N-1165458.08W	N 32.6018333	W 116.9161333	N32 36.110	W116 54.968	N32 36 06.60	W116 54 58.08
	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
	NSHEE WP		332357.70N-1162259.20W	N 33.3993611	W 116.3831111	N33 23.962	W116 22.987	N33 23 57.70	W116 22 59.20
	PIEZZ WP		330033.89N-1163514.81W	N 33.0094152	W 116.5874476	N33 00.565	W116 35.247	N33 00 33.89	W116 35 14.81
	ZZOOO WP		323753.24N-1171444.98W	N 32.6314558	W 117.2458269	N32 37.887	W117 14.750	N32 37 53.24	W117 14 44.98

RS Results ZZOOO from KSAN

Last Evaluation: 08-Feb-2016 08:32:18
Reference Software Version: 0.3.4

Route Evaluation for RW27:CENZA

Required Engagement Climb Gradient (ft/NM): 500.0

RW27:CENZA 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			+520.0			0.0	1.01	1.01
DF	JETTI	FLY_OVER	-12000.0		230	117.88	2.79	0.0
DF	ZZOOO	FLY_BY				57.93	7.54	8.35
TF	CENZA	FLY_BY					7.76	1.89

RW27:CENZA 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			520.0	230.0	0.0	30.0	238.0	268.0
DF	JETTI	FLY_OVER	0.0		520.0	230.0	0.0	30.0	238.0	268.0	3.75	2.26	1913.57	230.0	25.0	26.0	243.0	269.0
DF	ZZOOO	FLY_BY	3.75	2.26	1913.57	230.0	25.0	26.0	243.0	269.0	1.89	3.42	5682.23	265.0	25.0	35.0	296.0	331.0
TF	CENZA	FLY_BY	1.89	3.42	5682.23	265.0	25.0	35.0	296.0	331.0	0.0		9562.57	265.0	0.0	66.0	315.0	381.0

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RW27:CENZA Criteria Failures

RDO33: The leg from DF to ZZOOO is 7.535958390651 NM where the Minimum Leg Length is 8.35 NM.

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Route Evaluation for RW27:IPL

Required Engagement Climb Gradient (ft/NM): 500.0

RW27:IPL 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			+520.0			0.0	1.01	1.01
DF	JETTI	FLY_OVER	-12000.0		230	117.88	2.79	0.0
DF	ZZOOO	FLY_BY				72.13	7.54	8.35
TF	JORRJ	FLY_BY	+14000.0			19.4	16.8	5.55
TF	GRIDR	FLY_BY				6.51	7.44	3.06
TF	BLUZE	FLY_BY				0.04	37.82	1.0
TF	IPL	FLY_BY					26.61	1.0

RW27:IPL 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		520.0	230.0	0.0	30.0	238.0	268.0
DF	JETTI	FLY_OVER	0.0		520.0	230.0	0.0	30.0	238.0	268.0	3.75	2.26	1913.57	230.0	25.0	26.0	243.0	269.0
DF	ZZOOO	FLY_BY	3.75	2.26	1913.57	230.0	25.0	26.0	243.0	269.0	2.49	3.42	5682.23	265.0	25.0	35.0	296.0	331.0
TF	JORRJ	FLY_BY	2.49	3.42	5682.23	265.0	25.0	35.0	296.0	331.0	3.06	17.89	14000.0	300.0	9.7	75.0	383.0	458.0
TF	GRIDR	FLY_BY	3.06	17.89	14000.0	300.0	9.7	75.0	383.0	458.0	3.36	59.01	16606.06	300.0	3.26	80.0	400.0	480.0
TF	BLUZE	FLY_BY	3.36	59.01	16606.06	300.0	3.26	80.0	400.0	480.0	0.02	54.11	29858.9	300.0	5.0	106.0	505.0	570.0
TF	IPL	FLY_BY	0.02	54.11	29858.9	300.0	5.0	106.0	505.0	570.0	0.0		39186.13	300.0	0.0	125.0	606.0	570.0

RW27:IPL Criteria Failures

RDO33: The leg from DF to ZZOOO is 7.535958390651 NM where the Minimum Leg Length is 8.35 NM.

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Route Evaluation for RW27:MTBAL

Required Engagement Climb Gradient (ft/NM): 500.0

RW27:MTBAL 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			+520.0			0.0	1.01	1.01
DF	JETTI	FLY_OVER	-12000.0		230	117.88	2.79	0.0
DF	ZZOOO	FLY_BY				72.13	7.54	8.35
TF	JORRJ	FLY_BY	+14000.0			19.4	16.8	5.55
TF	GRIDR	FLY_BY				54.41	7.44	6.76
TF	PIEZZ	FLY_BY				1.2	24.57	3.7
TF	NSHEE	FLY_BY				30.54	25.52	14.77
TF	MTBAL	FLY_BY					21.01	14.77

RW27:MTBAL 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		520.0	230.0	0.0	30.0	238.0	268.0
DF	JETTI	FLY_OVER	0.0		520.0	230.0	0.0	30.0	238.0	268.0	3.75	2.26	1913.57	230.0	25.0	26.0	243.0	269.0
DF	ZZOOO	FLY_BY	3.75	2.26	1913.57	230.0	25.0	26.0	243.0	269.0	2.49	3.42	5682.23	265.0	25.0	35.0	296.0	331.0
TF	JORRJ	FLY_BY	2.49	3.42	5682.23	265.0	25.0	35.0	296.0	331.0	3.06	17.89	14000.0	300.0	9.7	75.0	383.0	458.0
TF	GRIDR	FLY_BY	3.06	17.89	14000.0	300.0	9.7	75.0	383.0	458.0	3.7	7.2	16606.06	300.0	25.0	80.0	400.0	480.0
TF	PIEZZ	FLY_BY	3.7	7.2	16606.06	300.0	25.0	80.0	400.0	480.0	0.5	48.21	25215.01	300.0	5.0	97.0	464.0	538.0
TF	NSHEE	FLY_BY	0.5	48.21	25215.01	300.0	5.0	97.0	464.0	538.0	14.77	54.11	34158.85	300.0	5.0	115.0	548.0	570.0
TF	MTBAL	FLY_BY	14.77	54.11	34158.85	300.0	5.0	115.0	548.0	570.0	0.0		41000.0	300.0	0.0	128.0	629.0	570.0

RW27:MTBAL Criteria Failures

RDO33: The leg from DF to ZZOOO is 7.535958390651 NM where the Minimum Leg Length is 8.35 NM.

Evaluation Input

ZZOOO

Name:	RS Results ZZOOO from KSAN
Project:	SAN ZZOOO SID_Paperwork_w CENZA-230 JETTI_20160204
Last evaluated:	08-Feb-2016 08:32:18
Evaluated obstacles?:	false
Obstacle Database:	-
Evaluated terrain?:	false
Worst Case Vegetation Height (ft) AGL:	0
Wind Spiral Limiting Splay Angle (deg):	-

Procedure Criteria Failures

RDO33: The leg from DF to ZZOOO is 7.535958390651 NM where the Minimum Leg Length is 8.35 NM.

Evaluation Notes and Warnings

CEW3: Note: User Defined Tailwind component was used for fix ZZOOO.
CEW3: Note: User Defined Tailwind component was used for fix JETTI.
RDEW1: In the route beginning at RW27 and ending at IPL, the Fix JORRJ, has a Minimum Climb Gradient Calculation Altitude 5945.8312820754945 is less than the Altitude Restriction 14000.0.
RDEW1: In the route beginning at RW27 and ending at MTBAL, the Fix JORRJ, has a Minimum Climb Gradient Calculation Altitude 5945.8312820754945 is less than the Altitude Restriction 14000.0.

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	02/08/2016
DOF	02/04/2016
AVNII_OFFLINE	N/A
AIRNAV2	02/08/2016
CIFP	02/04/2016

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Notes:

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