

PITBL RNAV

Point Of Contact

Organization Name - Southern California Metroplex

POC's Name - Robert E. Henry-Metroplex Lead/Jose Gonzalez-NATCA Co-Lead

Telephone Number - (661) 265-8434

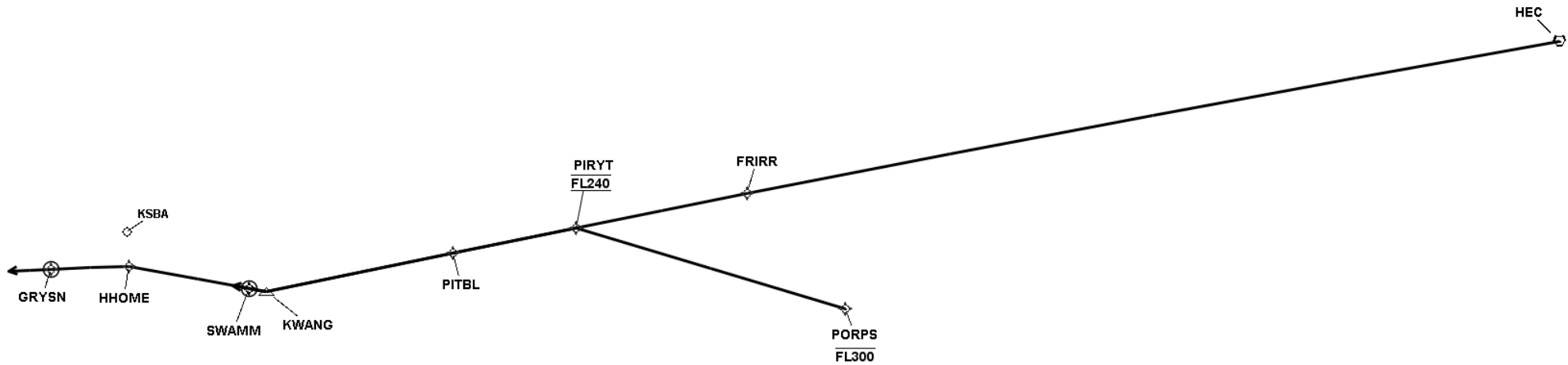
FAX Number - (661) 265-8338

Email Address - Robert.Henry@faa.gov;Jose.J.Gonzalez@faa.gov

TARGETS Distribution Package

Version:5.0.4.1

Date: Thu Jul 16 06:30:20 PDT 2015



PITBL RNAV

En Route Transition Data - HEC

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	HEC VORTAC	N34 47 49.26	W116 27 46.52		IF										
	FRIRR WP	N34 30 00.42	W118 22 42.52	FB	TF	259.92	245.92	96.47			17000	8500			
	PIRYT WP	N34 26 00.55	W118 47 01.60	FB	TF	258.89	244.89	20.50	24000		17000	7100			
	PITBL WP	N34 23 01.57	W119 04 24.26	FB	TF	258.38	244.38	14.68			7200	7200			

En Route Transition Data - PORPS

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)
	PORPS WP	N34 16 35.05	W118 08 49.12		IF				-30000						
	PIRYT WP	N34 26 00.55	W118 47 01.60	FB	TF	286.74	272.74	33.00	24000		17000	8400			
	PITBL WP	N34 23 01.57	W119 04 24.26	FB	TF	258.38	244.38	14.68			7200	7200			

Runway Transition Data - KSBA:RW07

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)
	PITBL WP	N34 23 01.57	W119 04 24.26		IF										
AVNIS	KWANG WP	N34 18 32.81	W119 30 50.94	FB	TF	258.58	244.58	22.35			6900	6900			
	HHOME WP	N34 21 33.87	W119 50 13.94	FB	TF	280.72	266.72	16.33			2800	1200			
	GRYSN WP	N34 21 09.93	W120 01 14.41	FO	TF	267.55	253.55	9.12			2400	1200			
	GRYSN WP	N34 21 09.93	W120 01 14.41		FM	267.55	253.55								

Runway Transition Data - KSBA:RW25

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)
	PITBL WP	N34 23 01.57	W119 04 24.26		IF										
AVNIS	KWANG WP	N34 18 32.81	W119 30 50.94	FB	TF	258.58	244.58	22.35			6900	6900			
	SWAMM WP	N34 18 55.15	W119 33 13.28	FO	TF	280.72	266.72	2.00			2800				
	SWAMM WP	N34 18 55.15	W119 33 13.28		FM	280.72	266.72								

PITBL RNAV

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")
	FRIRR WP		343000.42N-1182242.52W	N 34.5001167	W 118.3784774	N34 30.007	W118 22.709	N34 30 00.42	W118 22 42.52
	GRYSN WP		342109.93N-1200114.41W	N 34.3527573	W 120.0206690	N34 21.165	W120 01.240	N34 21 09.93	W120 01 14.41
AVNIS	HEC VORTAC		344749.26N-1162746.52W	N 34.7970167	W 116.4629222	N34 47.821	W116 27.775	N34 47 49.26	W116 27 46.52
	HHOME WP		342133.87N-1195013.94W	N 34.3594096	W 119.8372056	N34 21.565	W119 50.232	N34 21 33.87	W119 50 13.94
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	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
	PIRYT WP		342600.55N-1184701.60W	N 34.4334870	W 118.7837787	N34 26.009	W118 47.027	N34 26 00.55	W118 47 01.60
	PITBL WP		342301.57N-1190424.26W	N 34.3837705	W 119.0734062	N34 23.026	W119 04.404	N34 23 01.57	W119 04 24.26
	PORPS WP		341635.05N-1180849.12W	N 34.2764017	W 118.1469772	N34 16.584	W118 08.819	N34 16 35.05	W118 08 49.12
	SWAMM WP		341855.15N-1193313.28W	N 34.3153186	W 119.5536902	N34 18.919	W119 33.221	N34 18 55.15	W119 33 13.28

RS Results PITBL RNAV

Last Evaluation: 16-Jul-2015 06:27:59
Reference Software Version: 1.5.2

Route Evaluation for HEC:KSBA:RW07

HEC:KSBA:RW07 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
IF	HEC						0.0	0.0
TF	FRIRR	FLY_BY				0.05	96.47	1.0
TF	PIRYT	FLY_BY	24000.0			0.28	20.5	1.0
TF	PITBL	FLY_BY				0.37	14.68	1.0
TF	KWANG	FLY_BY				22.39	22.35	1.86
TF	HHOME	FLY_BY				12.99	16.33	3.45
TF	GRYSN	FLY_OVER					9.12	1.6
FM							0.0	0.0

PITBL RNAV

HEC:KSBA:RW07 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
IF	HEC				0.0	0.0							0.0	0.0				
TF	FRIRR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.03	54.11	29124.74	300.0	5.0	105.0	498.0	570.0
TF	PIRYT	FLY_BY	0.03	54.11	29124.74	300.0	5.0	105.0	498.0	570.0	0.11	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	PITBL	FLY_BY	0.11	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	0.56	176.65	14350.63	300.0	1.0	75.0	385.0	460.0
TF	KWANG	FLY_BY	0.56	176.65	14350.63	300.0	1.0	75.0	385.0	460.0	1.86	9.38	8763.57	250.0	11.19	64.0	293.0	357.0
TF	HHOME	FLY_BY	1.86	9.38	8763.57	250.0	11.19	64.0	293.0	357.0	1.6	14.02	4680.55	250.0	6.49	56.0	275.0	331.0
TF	GRYSN	FLY_OVER	1.6	14.02	4680.55	250.0	6.49	56.0	275.0	331.0	0.0		2400.0	250.0	0.0	52.0	266.0	318.0
FM			0.0		2400.0	250.0	0.0	52.0	266.0	318.0			0.0	0.0				

HEC:KSBA:RW07 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
HEC	FRIRR	TerrainPt_0_HEC:KSBA:RW07_HEC:FRIRR		4E (+-250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	P	2000.0		8467	8466.4	16-Jul-2015 06:28:13
FRIRR	PIRYT	TerrainPt_0_HEC:KSBA:RW07_FRIRR:PIRYT		4E (+-250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	16-Jul-2015 06:28:13
PIRYT	PITBL	TerrainPt_14_HEC:KSBA:RW07_PIRYT:PITBL		4E (+-250/+125)	N34° 27' 30.00"	W119° 00' 33.00"	5000.0	true	P	2000.0		7200	7200.0	16-Jul-2015 06:28:13
PITBL	KWANG	TerrainPt_20_HEC:KSBA:RW07_PITBL:KWANG		4E (+-250/+125)	N34° 28' 54.00"	W119° 05' 54.00"	5606.96	true	S	1002.05		6810	6809.0	16-Jul-2015 06:28:13
KWANG	HHOME	NONE					-1.0	false	S					N/A
HHOME	GRYSN	NONE					-1.0	false	S					N/A

HEC:KSBA:RW07 Criteria Failures

No failures.

Route Evaluation for HEC:KSBA:RW25

HEC:KSBA:RW25 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
IF	HEC						0.0	0.0
TF	FRIRR	FLY_BY				0.05	96.47	1.0
TF	PIRYT	FLY_BY	24000.0			0.28	20.5	1.0
TF	PITBL	FLY_BY				0.37	14.68	1.0
TF	KWANG	FLY_BY				22.39	22.35	1.75
TF	SWAMM	FLY_OVER					2.0	1.75
FM							0.0	0.0

HEC:KSBA:RW25 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
IF	HEC				0.0	0.0							0.0	0.0				
TF	FRIRR	FLY_BY	0.0		41000.0	300.0	0.0	128.0	629.0	570.0	0.03	54.11	29124.74	300.0	5.0	105.0	498.0	570.0
TF	PIRYT	FLY_BY	0.03	54.11	29124.74	300.0	5.0	105.0	498.0	570.0	0.11	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	PITBL	FLY_BY	0.11	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	0.53	165.32	12487.06	300.0	1.0	72.0	373.0	445.0
TF	KWANG	FLY_BY	0.53	165.32	12487.06	300.0	1.0	72.0	373.0	445.0	1.75	8.82	6900.0	250.0	11.19	61.0	285.0	346.0
TF	SWAMM	FLY_OVER	1.75	8.82	6900.0	250.0	11.19	61.0	285.0	346.0	0.0		2800.0	250.0	0.0	53.0	267.0	320.0
FM			0.0		2800.0	250.0	0.0	53.0	267.0	320.0			0.0	0.0				

HEC:KSBA:RW25 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V (ft) AMSL)	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
HEC	FRIRR	TerrainPt_0_HEC:KSBA:RW07_ HEC:FRIRR		4E (+- 250/+125)	N34° 40' 51.00"	W116° 48' 39.00"	6266.4	true	P	2000.0		8467	8466.4	16-Jul-2015 06:28:13
FRIRR	PIRYT	TerrainPt_0_HEC:KSBA:RW07_ FRIRR:PIRYT		4E (+- 250/+125)	N34° 33' 36.00"	W118° 21' 24.00"	4865.49	true	P	2000.0		7066	7065.49	16-Jul-2015 06:28:13
PIRYT	PITBL	TerrainPt_14_HEC:KSBA:RW07_ PIRYT:PITBL		4E (+- 250/+125)	N34° 27' 30.00"	W119° 00' 33.00"	5000.0	true	P	2000.0		7200	7200.0	16-Jul-2015 06:28:13
PITBL	KWANG	TerrainPt_20_HEC:KSBA:RW07_ PITBL:KWANG		4E (+- 250/+125)	N34° 28' 54.00"	W119° 05' 54.00"	5606.96	true	S	1002.05		6810	6809.0	16-Jul-2015 06:28:13
KWANG	SWAMM	NONE					-1.0	false	S					N/A

HEC:KSBA:RW25 Criteria Failures

No failures.

Route Evaluation for PORPS:KSBA:RW07

PORPS:KSBA:RW07 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
IF	PORPS		-30000.0				0.0	0.0
TF	PIRYT	FLY_BY	24000.0			28.0	33.0	11.49
TF	PITBL	FLY_BY				0.37	14.68	11.49
TF	KWANG	FLY_BY				22.39	22.35	1.86
TF	HHOME	FLY_BY				12.99	16.33	3.45
TF	GRYSN	FLY_OVER					9.12	1.6
FM							0.0	0.0

PORPS:KSBA:RW07 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
IF	PORPS				0.0	0.0							0.0	0.0				
TF	PIRYT	FLY_BY	0.0		30000.0	300.0	0.0	106.0	506.0	570.0	11.49	46.08	24000.0	300.0	5.0	95.0	454.0	526.0
TF	PITBL	FLY_BY	11.49	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	0.56	176.65	14350.63	300.0	1.0	75.0	385.0	460.0
TF	KWANG	FLY_BY	0.56	176.65	14350.63	300.0	1.0	75.0	385.0	460.0	1.86	9.38	8763.57	250.0	11.19	64.0	293.0	357.0
TF	HHOME	FLY_BY	1.86	9.38	8763.57	250.0	11.19	64.0	293.0	357.0	1.6	14.02	4680.55	250.0	6.49	56.0	275.0	331.0
TF	GRYSN	FLY_OVER	1.6	14.02	4680.55	250.0	6.49	56.0	275.0	331.0	0.0		2400.0	250.0	0.0	52.0	266.0	318.0
FM			0.0		2400.0	250.0	0.0	52.0	266.0	318.0			0.0	0.0				

PORPS:KSBA:RW07 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V) (ft) AMSL	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
PORPS	PIRYT	TerrainPt_6_PORPS:KSBA:RW07_PORPS:PIRYT		4E (+-250/+125)	N34° 17' 00.00"	W118° 07' 15.00"	6171.26	true	P	2000.0		8372	8371.26	16-Jul-2015 06:28:13
PIRYT	PITBL	TerrainPt_14_HEC:KSBA:RW07_PIRYT:PITBL		4E (+-250/+125)	N34° 27' 30.00"	W119° 00' 33.00"	5000.0	true	P	2000.0		7200	7200.0	16-Jul-2015 06:28:13
PITBL	KWANG	TerrainPt_20_HEC:KSBA:RW07_PITBL:KWANG		4E (+-250/+125)	N34° 28' 54.00"	W119° 05' 54.00"	5606.96	true	S	1002.05		6810	6809.0	16-Jul-2015 06:28:13
KWANG	HHOME	NONE					-1.0	false	S					N/A
HHOME	GRYSN	NONE					-1.0	false	S					N/A

PORPS:KSBA:RW07 Criteria Failures

No failures.

Route Evaluation for PORPS:KSBA:RW25

PORPS:KSBA:RW25 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
IF	PORPS		-30000.0				0.0	0.0
TF	PIRYT	FLY_BY	24000.0			28.0	33.0	11.49
TF	PITBL	FLY_BY				0.37	14.68	11.49
TF	KWANG	FLY_BY				22.39	22.35	1.75
TF	SWAMM	FLY_OVER					2.0	1.75
FM							0.0	0.0

PORPS:KSBA:RW25 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	
IF	PORPS				0.0	0.0							0.0	0.0					
TF	PIRYT	FLY_BY	0.0		30000.0	300.0	0.0	106.0	506.0	570.0	11.49	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	
TF	PITBL	FLY_BY	11.49	46.08	24000.0	300.0	5.0	95.0	454.0	526.0	0.53	165.32	12487.06	300.0	1.0	72.0	373.0	445.0	
TF	KWANG	FLY_BY	0.53	165.32	12487.06	300.0	1.0	72.0	373.0	445.0	1.75	8.82	6900.0	250.0	11.19	61.0	285.0	346.0	
TF	SWAMM	FLY_OVER	1.75	8.82	6900.0	250.0	11.19	61.0	285.0	346.0	0.0		2800.0	250.0	0.0	53.0	267.0	320.0	
FM			0.0		2800.0	250.0	0.0	53.0	267.0	320.0			0.0	0.0					

PORPS:KSBA:RW25 Obstacle Evaluation

Start Pt	End Pt	Name	Source	AC (H/V) (ft) AMSL	Lat	Long	Height (ft) AMSL	Mnts Area	Pri/Sec Area	ROC (ft)	WCVH (ft)	MOCA (ft)	Min OCS Alt (ft)	Date
PORPS	PIRYT	TerrainPt_6_PORPS:KSBA:RW07_PORPS:PIRYT		4E (+-250/+125)	N34° 17' 00.00"	W118° 07' 15.00"	6171.26	true	P	2000.0		8372	8371.26	16-Jul-2015 06:28:13
PIRYT	PITBL	TerrainPt_14_HEC:KSBA:RW07_PIRYT:PITBL		4E (+-250/+125)	N34° 27' 30.00"	W119° 00' 33.00"	5000.0	true	P	2000.0		7200	7200.0	16-Jul-2015 06:28:13
PITBL	KWANG	TerrainPt_20_HEC:KSBA:RW07_PITBL:KWANG		4E (+-250/+125)	N34° 28' 54.00"	W119° 05' 54.00"	5606.96	true	S	1002.05		6810	6809.0	16-Jul-2015 06:28:13
KWANG	SWAMM	NONE					-1.0	false	S					N/A

PORPS:KSBA:RW25 Criteria Failures

No failures.

Evaluation Input

PITBL RNAV

Name:	RS Results PITBL RNAV
Project:	SBA PITBL STAR_Paperwork_20150716
Last evaluated:	16-Jul-2015 06:27:59
Evaluated obstacles?:	false
Obstacle Database:	-
Evaluated terrain?:	true
Worst Case Vegetation Height (ft) AGL:	0

Terrain Information

Terrain Extractor Name	Extractor Location	Extractor Type	Resolution
DTED 3 Sec	C:\Program Files (x86)\TARGETS\data\DTED-3Sec	org.mitre.caasd.terrain.DTEExtractor	3.0

Procedure Criteria Failures

No failures.

Evaluation Notes and Warnings

No failures.

Obstacles Requiring Accuracy Code Verification

None.

Database Effective Dates

Database	Date
Tiled AVNII	N/A
OEAAA	N/A
NFDC	06/25/2015
IFP_OFFLINE	N/A
AVNIS	07/16/2015
DOF	05/28/2015
AVNII_OFFLINE	N/A
AVNII	07/16/2015
CIFP	06/25/2015

Notes: