

**AERONAUTICAL CHARTING FORUM**  
**Instrument Procedures Group**  
**April 27, 2010**

**History Record**

**FAA Control # 10-01-295**

**Subject: Official Source for Charting Fix Makeup**

**Background/Discussion:** Attached are the NACO and Jeppesen charts for the Burbank (KBUR) ILS LOC Z Runway 8 IAP. The issue is the crossing radial fix determination for SILEX fix. On the NACO chart the crossing radial is shown as the SMO VOR 311 Radial. On the Jeppesen chart it is shown as the LAX VOR 316 Radial. The NACO chart correctly portrays the fix as designed and assessed by the AeroNav Services procedures designer to be used to determine SILEX fix.

This is because NACO receives the official Form 8260-2 (also attached), which describes the fix composition as well as what composition is to be charted as intended by the procedure designer. The specific fix use and makeup to be charted are included in the "Fix Use" section of the Form 8260-2; however, this information is not published in the NFDD to ensure access to all chart producers. Jeppesen and other charting agents do not receive the official Form 8260-2; instead they receive an extract of the fix as set forth in the National Flight Data Digest (NFDD) (also attached for SILEX). The NFDD description fails to provide the complete fix determination information for each aeronautical charting product thus leading to disparities between government and civil charts.

**Recommendations:** The FAA needs to provide complete fix determination information to all private chart vendors. This can be achieved by modifying the NFDD to include both the "Fix Make-up Facilities" section and the "Fix Use" section of the 8260-2.

**Comments:** This affects the manner in which the FAA transfers data from the Form 8260-2 to the NFDD description of all IFR fixes.

**Submitted by: Richard J. Boll II**

**Organization: NBAA**

**Phone: 316-655-8856**

**FAX:**

**E-mail: [richard.boll@sbcglobal.net](mailto:richard.boll@sbcglobal.net)**

**Date: April 2, 2010**

# ILS or LOC Z RWY 8

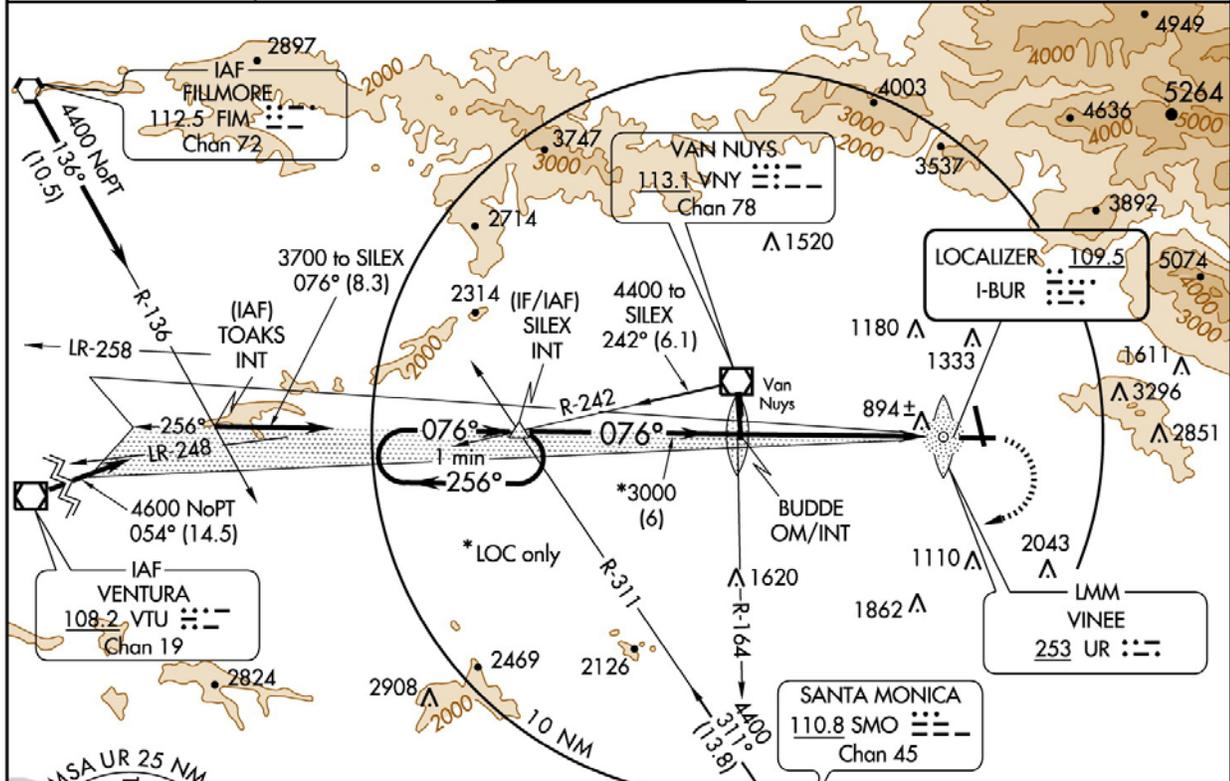
BURBANK/BOB HOPE (BUR)

LOC I-BUR <b>109.5</b>	APP CRS <b>076°</b>	Rwy Idg <b>5802</b>
		TDZE <b>727</b>
		Apt Elev <b>778</b>

▼ Visibility reduction by helicopters NA. Circling NA northeast Rwy 15 and 26.  
 ▲ For inoperative MALS R, increase S-LOC 8 Cats C,D visibility to RVR 6000.  
 Inoperative table does not apply to S-ILS 8 all Cats. Inoperative table does not apply to S-LOC 8 Cats A,B. ILS unusable from VINEE LMM inbound.  
 Autopilot coupled approach not authorized below 977 MSL.

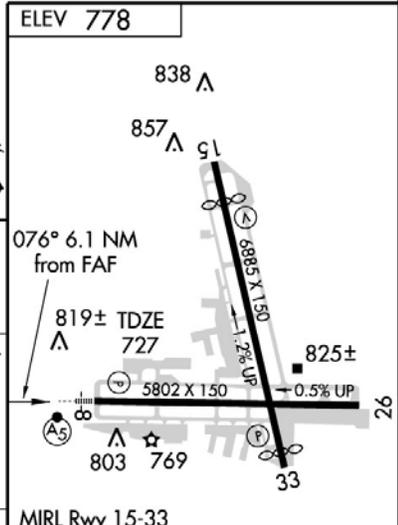
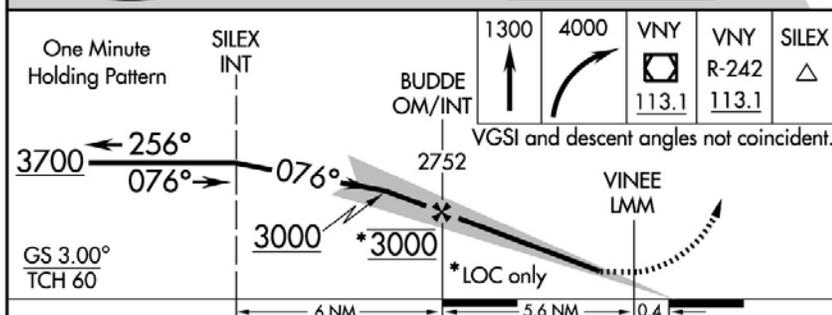
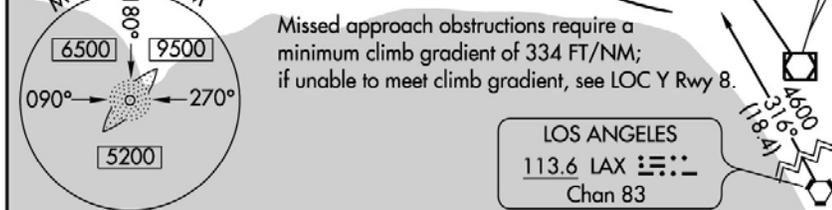
MALS R MISSED APPROACH: Climb to 1300 then climbing right turn to 4000 direct VNY VOR/DME then via VNY VOR/DME R-242 to SILEX Int and hold.

ATIS <b>134.5</b>	SOCAL APP CON <b>134.2 338.2</b>	BURBANK TOWER <b>118.7 254.3</b>	GND CON <b>123.9 348.6</b>	CLNC DEL <b>118.0 348.6</b>
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SW-3, 11 FEB 2010 to 11 MAR 2010

SW-3, 11 FEB 2010 to 11 MAR 2010



CATEGORY	A	B	C	D
S-ILS 8	977/50 250 (200-1)			
S-LOC 8	1140/50 413 (400-1)			
CIRCLING	1240-1 462 (500-1)	1280-1½ 502 (600-1½)	1440-2 662 (700-2)	

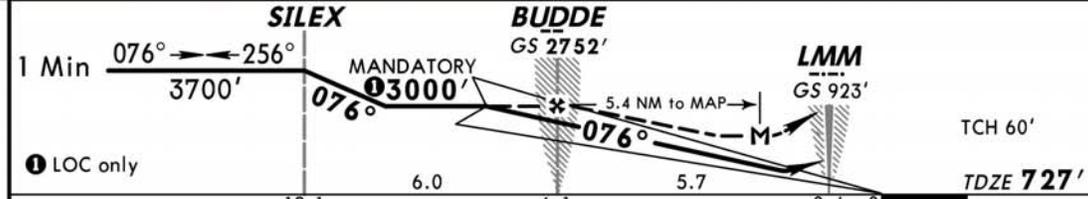
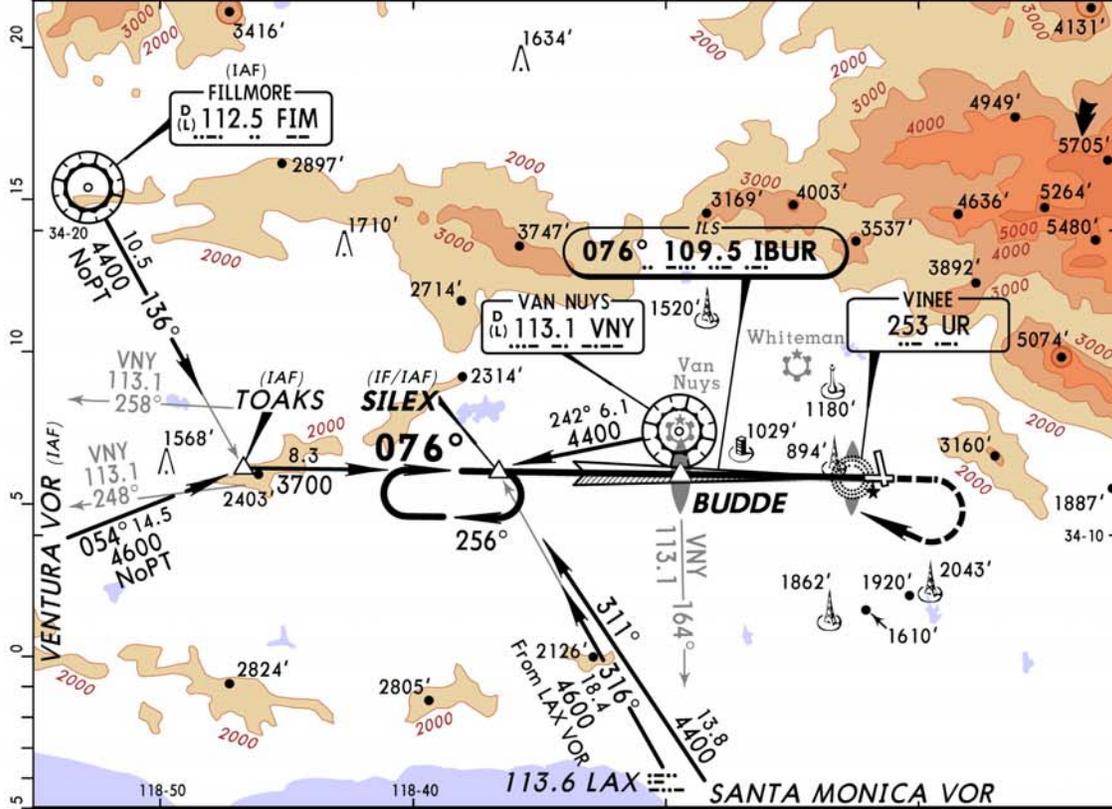
FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

**KBUR/BUR**  
HOPE

**JEPPESEN**  
25 JUL 08 **(11-1)** Eff 31 Jul

**BURBANK, CALIF**  
ILS or LOC Z Rwy 8

D-ATIS Arrival via FIM/PMD VOR only		SOCAL Approach (R)		BURBANK Tower	Ground	Helicopter
134.5		135.12		134.2	118.7	123.9
LOC IBUR	Final Apch Crs	GS BUDE	ILS DA(H)	Apt Elev 778'		
109.5	076°	2752' (2025')	977' (250')	TDZE 727'		
<p><b>MISSED APCH:</b> Climb to 1300' then climbing RIGHT turn to 4000' direct VNY VOR then outbound via VNY VOR R-242 to SILEX INT and hold.</p> <p>Missed approach obstructions require a minimum climb gradient of 334'/NM; if unable to meet climb gradient, see LOC Y Rwy 8 (11-2).</p> <p>Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'</p> <p>1. ILS unusable from VINEE LMM inbound. 2. Autopilot coupled approach not authorized below 977'. 3. Visibility reduction by helicopters not authorized. 4. VGSI and descent angles not coincident.</p>						
						MSA UR LMM



Gnd speed-Kts	70	90	100	120	140	160	MALSR	1300'	4000'	VNY 113.1
GS	3.00°	377	484	538	646	861				
BUDE to MAP 5.4	4:38	3:36	3:14	2:42	2:19	2:02	PAPI	↑	RT	→

STRAIGHT-IN LANDING RWYS				CIRCLE-TO-LAND			
ILS				Not Authorized Northeast of Rwy 15 and 26.			
DA(H) 977' (250')				MDA(H) 1140' (413')			
FULL		RAIL or ALS out		RAIL out		ALS out	
A	RVR 50 or 1			RVR 50 or 1		Max Kts	
B						90	
C						120	
D						140	
		165		1240' (462')-1			
		1280' (502')-1 1/2					
		1440' (662')-2					



CALIFORNIA		<b>NFDD 170 - 21</b>	09/03/2009	
GARDY				
NAV-FAC-AZIMUTH/DSTC	DAG*VORTAC*213.88/64.00			
NAV-FAC-AZIMUTH/DSTC	PDZ*VORTAC*342.52			
NAV-FAC-AZIMUTH/DSTC	POM*VORTAC*033.20/15.98			MODIFIED
LATITUDE	34-15-21.39 N			
LONGITUDE	117-32-51.44 W			
ARTCC	ZLA			
FIX TYPE	REP-PT			
CHARTING	AREA			
CHARTING	ENROUTE LOW			
CHARTING	SID			
CALIFORNIA		<b>NFDD 170 - 22</b>	09/03/2009	
GHART				
LATITUDE	34-01-44.44 N			MODIFIED
LONGITUDE	118-43-17.51 W			MODIFIED
ARTCC	ZLA			
FIX TYPE	RNAV-WP			
CHARTING	SID			
CALIFORNIA		<b>NFDD 170 - 23</b>	09/03/2009	
SILEX				
NAV-FAC-AZIMUTH/DSTC	LAX*VORTAC*315.89			
NAV-FAC-AZIMUTH/DSTC	SMO*VOR/DME*311.01			
NAV-FAC-AZIMUTH/DSTC	VNY*VOR/DME*242.37			
ILS-FAC-CRS/DSTC	BUR*LS*LMM*255.96			
ILS-FAC-CRS/DSTC	BUR*LS*255.93			MODIFIED
LATITUDE	34-12-03.81 N			
LONGITUDE	118-36-41.89 W			
ARTCC	ZLA			
FIX TYPE	REP-PT			
CHARTING	AREA			
CHARTING	IAP			
CHARTING	ENROUTE LOW			
CHARTING	SID			
CHARTING INFO	RNAV			
DELAWARE		<b>NFDD 170 - 24</b>	09/03/2009	
CANNY				
NAV-FAC-AZIMUTH/DSTC	ENO*VORTAC*225.54/12.72			
NAV-FAC-AZIMUTH/DSTC	SIE*VORTAC*276.40/41.06			MODIFIED
LATITUDE	39-03-39.92 N			MODIFIED
LONGITUDE	075-40-40.65 W			MODIFIED
ARTCC	ZDC			
FIX TYPE	REP-PT			
CHARTING	ENROUTE HIGH			
CHARTING	ENROUTE LOW			
CHARTING	STAR			
CHARTING INFO	RNAV			ADDED



**Meeting 10-02:** Marty Heller, AJV-21B, briefed the decision has been made and it was agreed to post entire Form 8260-2s on FADDS. Marty asked how many days prior to and after the procedure effective date the data needs to be kept there. Bill Hammett, AFS-420 (ISI) recommended that the -2s be posted no later than concurrently with the Transmittal Letter promulgating the procedures and remain on the site until the 28-day AIRAC cycle after publication. The group agreed this seems reasonable. Valerie Watson, AJV-3B, asked when this process would happen. Ted Thompson, Jeppesen, reported that Jeppesen has not been able to establish access to FADDS through NFDC; apparently there are "additional details" to work out. Marty responded that George Sempeles or Marty Oudemans of NFDC will be POCs to coordinate with Ted and/or Bob Gill (Jeppesen POCs) to arrange a telcon to resolve the matter. **ACTION: AJV-21.**

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**MEETING 11-01:** Mike Oudemans, AJV-21, briefed that NFDC has been working with Jeppesen regarding the process of posting form 8260-2s on FADDS. The first posting occurred for the May 5 AIRAC cycle and feedback was positive. The plan is to post the forms every 2-weeks and keep them on the FADDS web site until 2-weeks after the specified procedure effective date. Val Watson, AJV-3B asked whether the ultimate fix was to place the entire -2 in NASR. Mike responded that a replacement for NASR is under consideration and having the entire -2 information is a desired feature. Brad Rush, AJV-3B stated that eventually, it is hoped that IFP-FIX will be the source for all fix data. Tom Schneider, AFS-420, asked whether FADDS is now the source for fix information. Bill Hammett, AFS-420 (ISI) responded that the NFDD is still the primary method of promulgating -2 data; however, FADDS may be used to access additional information. Bill asked whether the issue could be closed and all agreed.

**Status:** **Item Closed.**

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