U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PAROL (IAF)	PADDR (TF) (FB) (RNP 1.00)	076.85/16.11	5000
PADDR	QGATE (TF) (FB) (RNP 1.00)	009.42/7.65	3000
KAYOH (IAF)	ALBAS (TF) (FB) (RNP 1.00)	232.23/26.71	6000
ALBAS (IAF)	QGATE (TF) (FB) (RNP 1.00)	298.04/9.77	3000
QGATE (IF)	BREKE (TF) (FB) (RNP 1.00)	331.52/3.34	3000
BREKE	JUXAT (TF) (FB) (RNP 1.00)	330.26/3.30	2500
JUXAT (FAF)	TIDOY (RF) (FB)	(2.04 NM RADIUS CW OYEYO)/5.36	
TIDOY	RW12 (TF) (FO)	120.70/2.18	

MISSED APPROACH

MAP: DA

CLIMB TO 3000 ON TRACK 120.71 TO GUNEY, RIGHT TURN TO LUVCI, THEN TRACK 182.55 TO ALBAS AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT QGATE
3. FAC: * FAF: *SEE TERMINAL ROUTES FROM JUXAT DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: QGATE 3000, BREKE 3000
5. DIST TO THLD FROM OM: 7.54 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2500 GS ALT AT: JUXAT 2500, TIDOY 795 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 47.0# 34:1 IS NOT CLEAR
8. MSA FROM: RW12 7700

ADDITIONAL FLIGHT DATA:
HOLD S, LT, 351.00 INBOUND
CHART FAS OBST: 130 TREE 334939N/1181001W
171 TREE 334954N/1181021W
126 BLDG 335000N/1181032W
93 OL ON POLE 334941N/1180940W
85 OL LT 334937N/1180936W
DISTANCE TO THLD FROM 325 HATH: 0.87NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
CHART MANDATORY 3,000 AT QGATE
TCH 99.8 MSL (DO NOT CHART)

MAG VAR: 14E EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: ____ STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.13 DA	378	1 1/8	325	378	1 1/8	325	378	1 1/8	325	378	1 1/8	325			
RNP 0.21 DA	428	1 1/4	375	428	1 1/4	375	428	1 1/4	375	428	1 1/4	375			
RNP 0.30 DA	478	1 3/8	425	478	1 3/8	425	478	1 3/8	425	478	1 3/8	425			

NOTES: CHART NOTES: RF AND GPS REQUIRED. PROCEDURE NA WHEN CONTROL TOWER CLOSED.
FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2C (36F) OR ABOVE 49C (120F).
WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE AT QGATE: MAX 220 KIAS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT PAROL ON V27 NORTHWEST BOUND.

CITY AND STATE	ELEVATION: 60 THRE: 53 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LONG BEACH, CA	LONG BEACH/DAUGHERTY FIELD	RNAV	25 AUG 2011 RNAV (RNP) RWY 12, AMDT 1	AMDT: ORIG
				DATE 9/28/2006

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TERMINAL ROUTES (CONT'D)

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW12 (MAP)	GUNEY (TF) (FB) (RNP 1.00)	120.71/5.84	
GUNEY	LUVCI (RF) (FB) (RNP 1.00)	(4.80 NM RADIUS CW ULUYI)/5.18	
LUVCI	ALBAS (TF) (FO) (RNP 1.00)	182.55/4.72	3000

NOTES: (CONT'D)

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALBAS ON V25 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KAYOH ON V283-372 EASTBOUND.

ADDITIONAL FLIGHT DATA (CONT'D)

CHART MAXIMUM 11,000 AT PAROL
CHART MAXIMUM 6,000 AT PADDR
CHART MAXIMUM 16,000 AT KAYOH
CHART MAXIMUM 7,000 AT ALBAS

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (RNP)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALBAS K20    C   L N33355868W118044016                    E0125     NAR           ALBAS
        SUSAEAENRT   BREKE K20    W     N33454607W118142211                    E0126     NAR           BREKE
        SUSAEAENRT   GUNEY K20    W     N33451794W118043160                    E0125     NAR           GUNEY
        SUSAEAENRT   JUXAT K20    W     N33485673W118152649                    E0126     NAR           JUXAT
        SUSAEAENRT   KAYOH K20    C   L N33464920W117352452                    E0124     NAR           KAYOH
        SUSAEAENRT   LUVCI K20    W     N33403051W118030364                    E0125     NAR           LUVCI
        SUSAEAENRT   OYEYO K20    W     N33493003W118130514                    E0126     NAR           CNF(OYEYO)
        SUSAEAENRT   PADDR K20    C   L N33352988W118170066                    E0125     NAR           PADDR
        SUSAEAENRT   PAROL K20    C   L N33354578W118361779                    E0126     NAR           PAROL
        SUSAEAENRT   QGATE K20    W     N33423168W118132202                    E0125     NAR           QGATE
        SUSAEAENRT   TIDOY K20    W     N33505718W118112182                    E0126     NAR           TIDOY
        SUSAEAENRT   ULUYI K20    W     N33415281W118083444                    E0125     NAR           CNF(ULUYI)

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLGBK2ALGB     0     100YHN33490400W118090594E014000060        1800018000C    MNAR    LONG BEACH /DAUGHERTY FIELD/

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLGBK2FR12   AALBAS 010ALBASK2EA0E  A    IF                                - 07000     18000                 A PS
        SUSAP KLGBK2FR12   AALBAS 020QGATEK2EA0EE B 010TF                    29800098      03000          220              A-PS
        SUSAP KLGBK2FR12   AKAYOH 010KAYOHK2EA0E  A    IF                                - 16000     18000                 A PS
        SUSAP KLGBK2FR12   AKAYOH 020ALBASK2EA0E    010TF                    23220267    B 0700006000                      A PS
        SUSAP KLGBK2FR12   AKAYOH 030QGATEK2EA0EE B 010TF                    29800098      03000          220              A-PS
        SUSAP KLGBK2FR12   APAROL 010PAROLK2EA0E  A    IF                                - 11000     18000                 A PS
        SUSAP KLGBK2FR12   APAROL 020PADDRK2EA0E    010TF                    07690161    B 0600005000                      A PS
        SUSAP KLGBK2FR12   APAROL 030QGATEK2EA0EE B 010TF                    00940077      03000          220              A-PS
        SUSAP KLGBK2FR12   R      010QGATEK2EA0E  I    IF                                03000     18000220              A-PS
        SUSAP KLGBK2FR12   R      011BREKEK2EA0E    010TF                    33150033    + 03000                           A PS
        SUSAP KLGBK2FR12   R      020JUXATK2EA1E  F 010TF                    33030033    + 02500                 RW12  K2PGA PS
        SUSAP KLGBK2FR12   R      020JUXATK2EA2W                                             A031A212A132                  PS
        SUSAP KLGBK2FR12   R      021TIDOYK2EA0E   R031RF       0020403303   12070054                        -300OYEYO K2EAA PS
        SUSAP KLGBK2FR12   R      030RW12 K2PG0GY M 031TF                    12070022      00100             -300          A PS
        SUSAP KLGBK2FR12   R      040GUNEYK2EA0E M  010TF                    12070058                                      A PS
        SUSAP KLGBK2FR12   R      050LUVCIK2EA0E   R010RF       0048001207   18260052                            ULUYI K2EAA PS
        SUSAP KLGBK2FR12   R      060ALBASK2EA0EY   010TF                    18260047    + 03000                           A PS
        SUSAP KLGBK2FR12   R      070ALBASK2EA0EE  L   HM                    35100050    + 03000                           A PS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
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CITY AND STATE	ELEVATION: 60 THRE: 53	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LONG BEACH, CA	AIRPORT NAME: LONG BEACH /DAUGHERTY FIELD/	RNAV	RNAV (RNP) RWY 12, AMDT 1 25 AUG 2011	AMDT: ORIG DATED: 09/28/2006

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RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLGBK2GRW12    0100001207 N33492493W118093015-0300    -0019700053135047200R

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLGBK2SRW12 K2PG                0   18018007725                                                                          M
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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALBAS	ALBAS	010	IAF	IF		FB				AB 07000	
	ALBAS	QGATE	020		TF		FB	1.0	298.0(312.0T)	009.8	AT 03000	AB 220
	KAYOH	KAYOH	010	IAF	IF		FB				AB 16000	
	KAYOH	ALBAS	020		TF		FB	1.0	232.2(246.2T)	026.7	BT 0700006000	
	KAYOH	QGATE	030		TF		FB	1.0	298.0(312.0T)	009.8	AT 03000	AB 220
	PAROL	PAROL	010	IAF	IF		FB				AB 11000	
	PAROL	PADDR	020		TF		FB	1.0	076.9(090.9T)	016.1	BT 0600005000	
	PAROL	QGATE	030		TF		FB	1.0	009.4(023.4T)	007.7	AT 03000	AB 220
		QGATE	010	FACF	IF		FB				AT 03000	AB 220
		BREKE	011		TF		FB	1.0	331.5(345.5T)	003.3	AA 03000	
		JUXAT	020	FAF	TF		FB	1.0	330.3(344.3T)	003.3	AA 02500	
		TIDOY	021		RF	R	FB	0.3		005.4		
		RW12	030	MAP	TF		FO	0.3	120.7(134.7T)	002.2	AT 00100	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GUNEY	040		TF		FB	1.0	120.7(134.7T)	005.8		
	LUVCI	050		RF	R	FB	1.0		005.2		
	ALBAS	060		TF		FO	1.0	182.6(196.6T)	004.7	AA 03000	
	ALBAS	070		HM	L	FO		351.0(005.0T)	005.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALBAS	N333558.68	W1180440.16	N3335.978	W11804.669
	BREKE	N334546.07	W1181422.11	N3345.768	W11814.369
	GUNEY	N334517.94	W1180431.60	N3345.299	W11804.527
	JUXAT	N334856.73	W1181526.49	N3348.946	W11815.442
	KAYOH	N334649.20	W1173524.52	N3346.820	W11735.409
	LUVCI	N334030.51	W1180303.64	N3340.509	W11803.061
	OYEYO	N334930.03	W1181305.14	N3349.501	W11813.086
	PADDR	N333529.88	W1181700.66	N3335.498	W11817.011
	PAROL	N333545.78	W1183617.79	N3335.763	W11836.297
	QGATE	N334231.68	W1181322.02	N3342.528	W11813.367
	TIDOY	N335057.18	W1181121.82	N3350.953	W11811.364
	ULUYI	N334152.81	W1180834.44	N3341.880	W11808.574
	RW12	N334924.93	W1180930.15	N3349.416	W11809.503

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12	00053	47

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