Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 06/21/2012	Task #: 2007072521568002050	Request #: 20070725215680
Procedure: RNAV (RNP) Z RWY 26 ORIG		Airport ID: KABQ	Airport: ALBUQUERQUE INTL SUNPORT		Reimbursable #:
City: ALBUQUERQUE	**ST:** NM	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type: Proc-P	Specialist: SCOTT CORY			

P1

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	03/29/2012	07/05/2012	JILL OLSON	
QA:	07/05/2012	07/09/2012	STEVEN SZUKALA	
Liaison:	07/09/2012		K. Spurlin	RESUBMIT 7/12/12; WAIVER; P1;

Procedure Comments:

Remark Type: INFORMATION

PKG 1 of 1

ATTACHED FORMS: 8260-1, 8260-3, 8260-10, 8260-9, 8260-2(S): AUXFL, ORIG; BRNDO, ORIG; CFDXJ, ORIG; CFDXM, ORIG; CFPQK, ORIG; CFPQV, ORIG; CHNGA, ORIG; FABEX, ORIG; LEETR, ORIG; PILLA, ORIG; SIMSS, ORIG; TACOH, ORIG; TEAJA, ORIG; YANNU, ORIG; ALBUQUERQUE (ABQ) VTAC, REV 15 (INFO ONLY).
CONTACT: JILL OLSON/STEVEN BARNETT, AJV-353 LEADS, 405.954.0414/9307
REQUEST FLIGHT CHECK VERIFICATION OF 4D ACCURACY FOR 5504' MSL T-L TOWER (35-001293) 350302.11N/1063249.99W.
THIS PROCEDURE IS A RE-DESIGN OF A PREVIOUSLY FLOWN VERSION THAT DID NOT PASS FLIGHT INSPECTION; SHOULD BE TREATED AS AN ORIGINAL PROCEDURE. ALL SEGMENTS CHANGED EXCEPT FROM DA THROUGH MISSED APPROACH REMAINS THE SAME.

RNAV (RNP) Z RWY 26

ALBUQUERQUE INTL SUNPORT (ABQ)

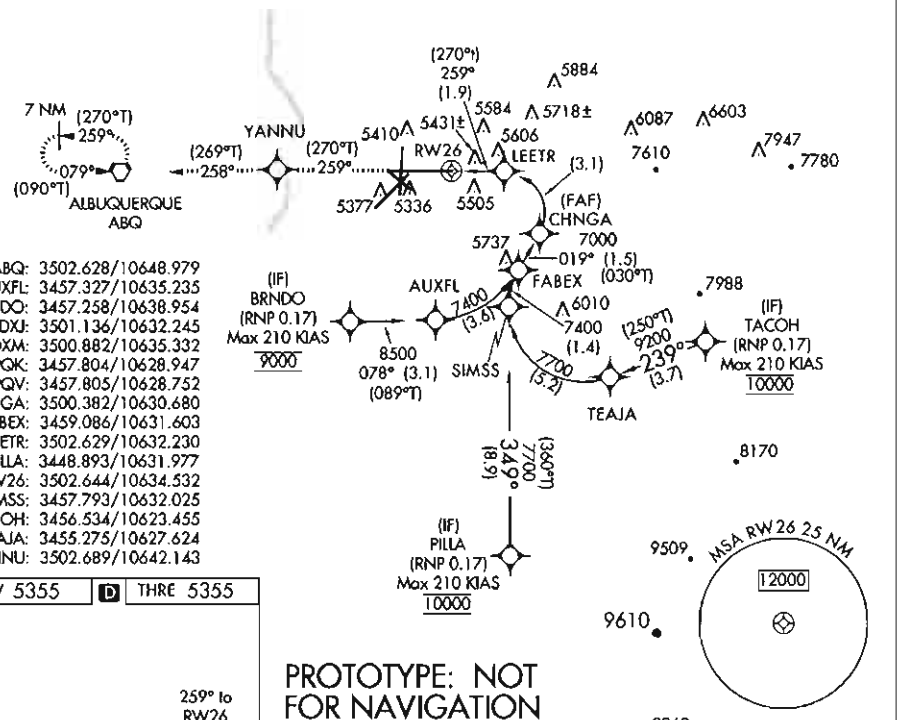
APP CRS	Rwy Idg	13793
259°	THRE	5355
	Apt Elev	5355

For uncompensated Baro-VNAV systems, procedure NA below -12°C (11°F) or above 48°C (119°F). When VGSI inop, procedure NA at night. RF Required. GPS Required.

MISSED APPROACH: Climb to 8000 on track 259° to YANNU then on track 258° to ABQ VORTAC and hold.

ATIS	ALBUQUERQUE APP CON	ALBUQUERQUE TOWER	GND CON	CLNC DEL
118.0 257.7	123.9 354.1	120.3 351.9	121.9 348.6	119.2 259.3

RADAR REQUIRED

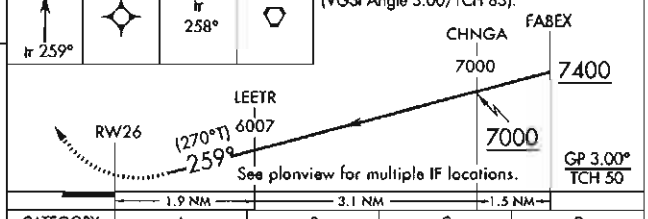


ABQ: 3502.628/10648.979
AUXFL: 3457.327/10635.235
BRNDO: 3457.258/10638.954
CFDXJ: 3501.136/10632.245
CFDXM: 3500.882/10635.332
CFPQK: 3457.804/10628.947
CFPQV: 3457.805/10628.752
CHNGA: 3500.382/10630.680
FABEX: 3459.086/10631.603
LEETR: 3502.629/10632.230
PILLA: 3448.893/10631.977
RW26: 3502.644/10634.532
SIMSS: 3457.793/10632.025
TACOH: 3456.534/10623.455
TEAJA: 3455.275/10627.624
YANNU: 3502.689/10642.143

ELEV 5355 | D | THRE 5355

259° to RW26

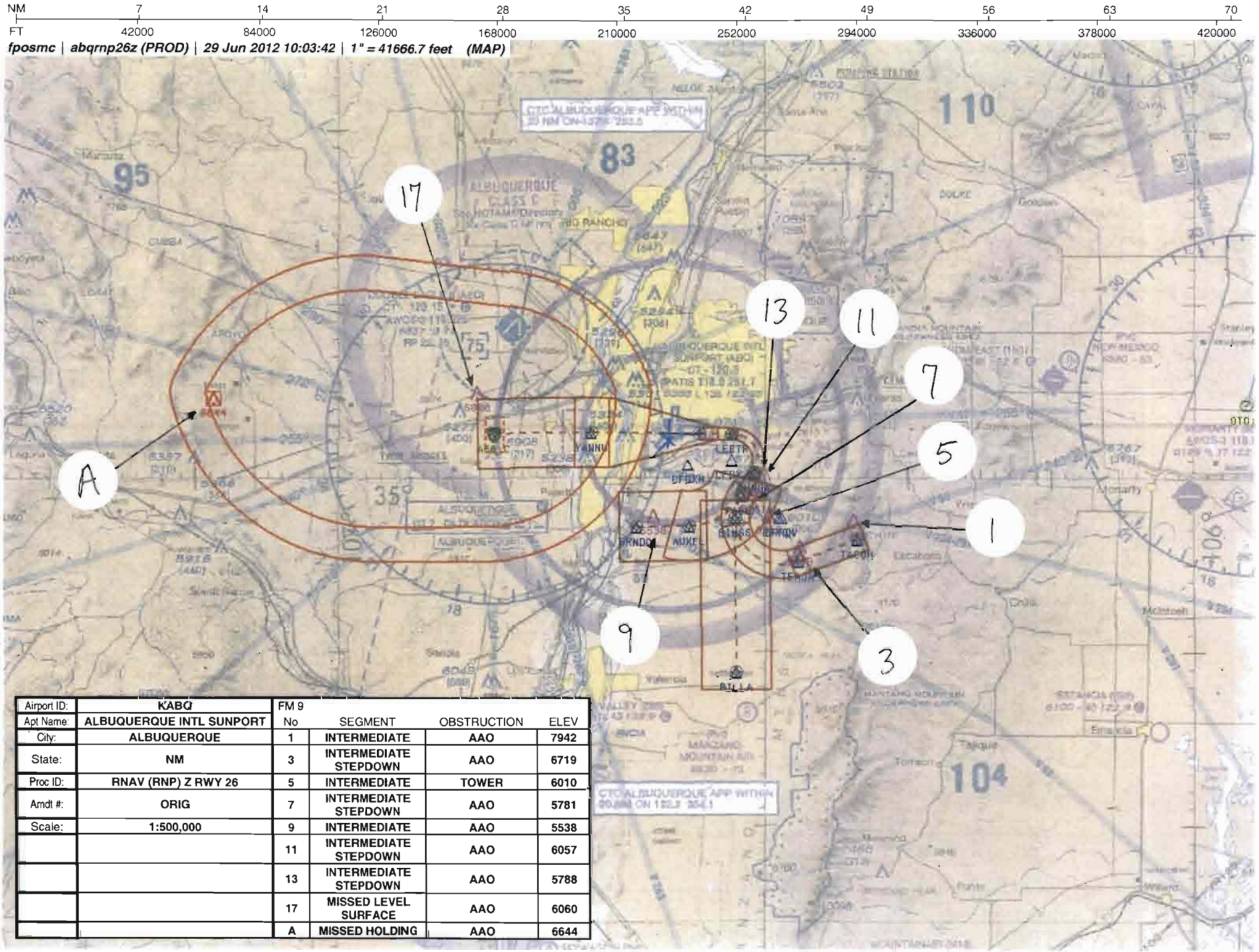
PROTOTYPE: NOT FOR NAVIGATION



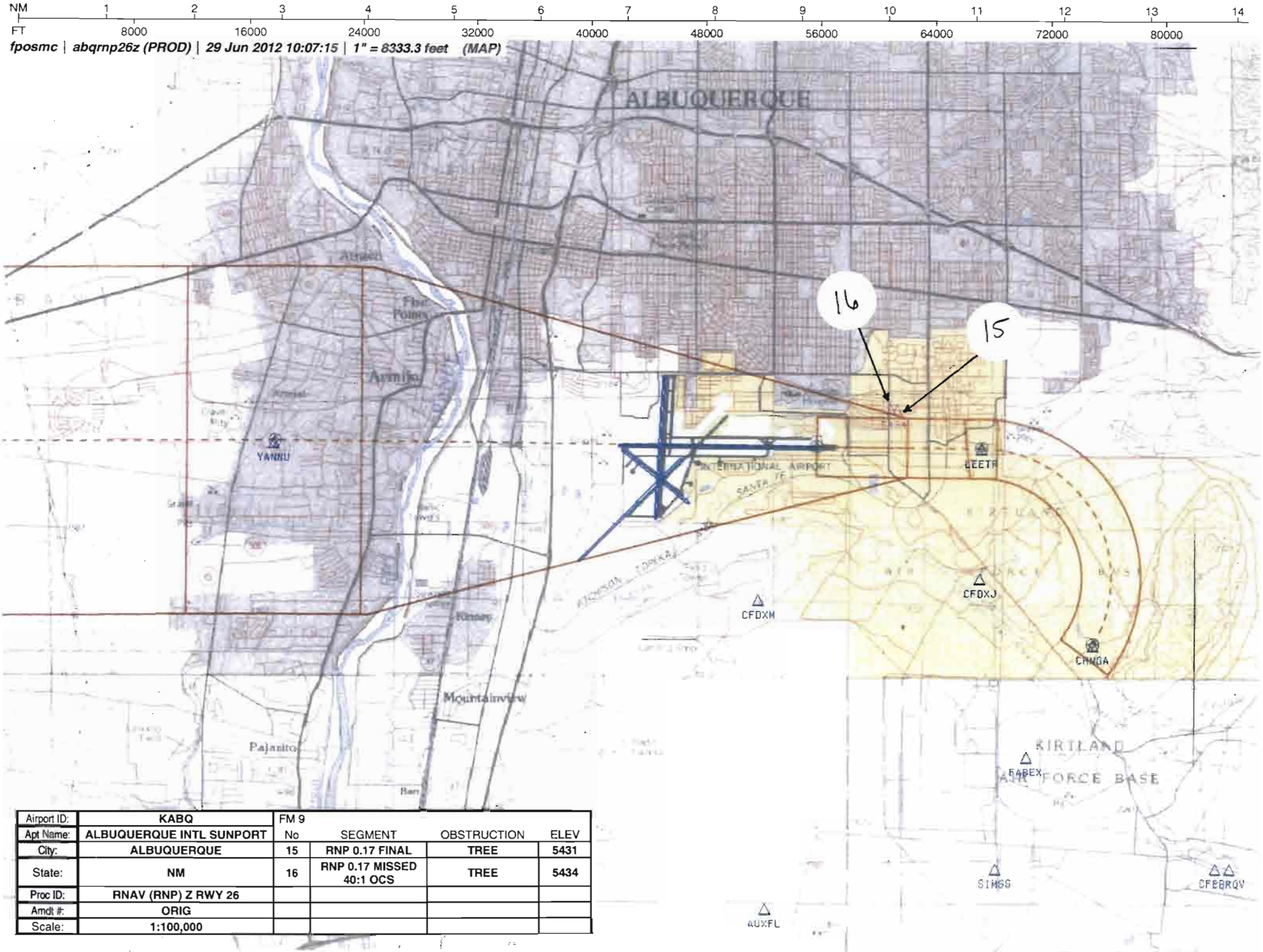
CATEGORY	A	B	C	D
RNP 0.17 DA	5736-1¼ 381 (400-1¼)			

AUTHORIZATION REQUIRED

TDZ/CL Rwys 3 and 8
HIRL Rwys 3-21 and 8-26
MIRL Rwys 12-30 and 17-35
REIL Rwys 3, 17, 21, 26, 30 and 35



Airport ID:	KABQ	FM 9			
Apt Name:	ALBUQUERQUE INTL SUNPORT	No	SEGMENT	OBSTRUCTION	ELEV
City:	ALBUQUERQUE	1	INTERMEDIATE	AAO	7942
State:	NM	3	INTERMEDIATE STEPDOWN	AAO	6719
Proc ID:	RNAV (RNP) Z RWY 26	5	INTERMEDIATE	TOWER	6010
Amdt #:	ORIG	7	INTERMEDIATE STEPDOWN	AAO	5781
Scale:	1:500,000	9	INTERMEDIATE	AAO	5538
		11	INTERMEDIATE STEPDOWN	AAO	6057
		13	INTERMEDIATE STEPDOWN	AAO	5788
		17	MISSED LEVEL SURFACE	AAO	6060
		A	MISSED HOLDING	AAO	6644



Airport ID:	KABQ	FM 9			
Apt Name:	ALBUQUERQUE INTL SUNPORT	No	SEGMENT	OBSTRUCTION	ELEV
City:	ALBUQUERQUE	15	RNP 0.17 FINAL	TREE	5431
State:	NM	16	RNP 0.17 MISSED 40:1 OCS	TREE	5434
Proc ID:	RNAV (RNP) Z RWY 26				
Amdt #:	ORIG				
Scale:	1:100,000				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TACOH (IF)	TEAJA (TF) (FB) (RNP 0.40)	238.88 / 3.65	9200
TEAJA	SIMSS (RF) (FB) (RNP 0.40)	(2.69 NM RADIUS CW (CFPQV))/5.16	7700
PILLA (IF)	SIMSS (TF) (FB) (RNP 1.00)	348.74 / 8.89	7700
SIMSS	FABEX (RF) (FB) (RNP 0.40)	(2.53 NM RADIUS CW (CFPQK))/1.35	7400
BRNDO (IF)	AUXFL (TF) (FB) (RNP 1.00)	077.68 / 3.06	8500
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 8000 ON TRACK 259.45 TO YANNU THEN ON TRACK 258.41 TO ABQ VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 079.00 INBOUND.
CHART FAS OBST: 5431 TREE 350257N/1063330W
DISTANCE TO THLD FROM 381 HATH: 1.04 NM.
ROUTE TYPE: A, H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
#TCH 5404.9 MSL (DO NOT CHART)
CHART MANDATORY 10000 AT TACOH
CHART MANDATORY 10000 AT PILLA
CHART MANDATORY 9000 AT BRNDO

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FABEX
3. FAC: % FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: FABEX 7400, CHNGA 7000
5. DIST TO THLD FROM OM: 5.01 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 7000 GS ALT AT: CHNGA 7000, LEETR 6007 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0# 34:1 IS NOT CLEAR
8. MSA FROM: RW26 12000

MAG VAR: 11E EPOCH YEAR: 1995

MINIMUMS

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

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 0.17 DA	5736	1 1/4	381	5736	1 1/4	381	5736	1 1/4	381	5736	1 1/4	381			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 48C (119F).
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART NOTE: RF REQUIRED.
CHART NOTE: GPS REQUIRED.
(SEE FORM 8260-10)

QUALITY 1 CHECK

CITY AND STATE	ELEVATION: 5355 THRE: 5355 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 26, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] **ZAB, ABQ ATCT, AMGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
SCOTT M. CORY	**AJV-353**	**06/28/2012**

APPROVED BY		
NAME:	FIFO	DATE:
LARRY H STROUT **MANAGER**	**AJV-353**	

CHANGES:

1. ORIGINAL PROCEDURE.

REASONS:

1. FPT REQUEST.

QUALITY 1 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
AUXFL	FABEX (RF) (FB) (RNP 1.00)	(3.55 NM RADIUS CCW (CFDXM))/3.62	7400
FABEX	CHNGA (TF) (FB) (RNP 0.17)	019.36 / 1.50	7000
CHNGA (FAF)	%LEETR (RF) (FB)	(1.49 NM RADIUS CCW (CFDXJ))/3.12	
LEETR	%RW26 (MAP) (TF) (FO)	259.47 / 1.89	
RW26 (MAP)	YANNU (TF) (FB) (RNP 1.00)	259.45 / 6.25	
YANNU	ABQ VORTAC (TF) (FO) (RNP 1.00)	258.41 / 5.61	8000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT PILLA : MAX 210 KIAS.
CHART PLANVIEW NOTE AT TACOH : MAX 210 KIAS.
CHART PLANVIEW NOTE AT BRNDO : MAX 210 KIAS.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE AT TACOH: (RNP 0.17).
CHART PLANVIEW NOTE AT PILLA: (RNP 0.17).
CHART PLANVIEW NOTE AT BRNDO: (RNP 0.17).
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

QUALITY
1
CHECKED

CITY AND STATE	ELEVATION: 5355 THRE: 5355	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 26, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - RNAV (RNP)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------------------------
       SUSAD        ABQ   K2011320VTHA N35023766W106485872    N35023766W106485872E0130057492     NARALBUQUERQUE

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------------------------
       SUSAEAENRT   AUXFL K20    W     N34571962W106351409                    E0091     NAR           AUXFL
       SUSAEAENRT   BRNDO K20    W     N34571545W106385726                    E0091     NAR           BRNDO
       SUSAEAENRT   CFDXJ K20    W     N35010817W106321468                    E0091     NAR           CNF(CFDXJ)
       SUSAEAENRT   CFDXM K20    W     N35005292W106351990                    E0091     NAR           CNF(CFDXM)
       SUSAEAENRT   CFPQK K20    W     N34574824W106285680                    E0090     NAR           CNF(CFPQK)
       SUSAEAENRT   CFPQV K20    W     N34574828W106284512                    E0090     NAR           CNF(CFPQV)
       SUSAEAENRT   CHNGA K20    W     N35002290W106304077                    E0090     NAR           CHNGA
       SUSAEAENRT   FABEX K20    W     N34590513W106313616                    E0090     NAR           FABEX
       SUSAEAENRT   LEETR K20    W     N35023771W106321378                    E0091     NAR           LEETR
       SUSAEAENRT   PILLA K20    W     N34485357W106315859                    E0090     NAR           PILLA
       SUSAEAENRT   SIMSS K20    W     N34574760W106320149                    E0090     NAR           SIMSS
       SUSAEAENRT   TACOH K20    W     N34563206W106232729                    E0090     NAR           TACOH
       SUSAEAENRT   TEAJA K20    W     N34551652W106273745                    E0090     NAR           TEAJA
       SUSAEAENRT   YANNU K20    W     N35024134W106420859                    E0091     NAR           YANNU

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KABQK2AABQ     0     137YHN35022470W106363310E011005355        1800018000C    MNAR    ALBUQUERQUE INTL SUNPORT

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
       ------------------------------------------------------------------------------------------------------------------------------------------------------
       SUSAP KABQK2FH26-Z ABRNDO 010BRNDOK2EA0E  B    IF                                    09000     18000210              A-FS
       SUSAP KABQK2FH26-Z ABRNDO 020AUXFLK2EA0E    010TF                                 + 08500                           A FS
       SUSAP KABQK2FH26-Z ABRNDO 030FABEXK2EA0E   L010RF       0035500777    01940036   + 07400               CFDXM K2EAA FS
       SUSAP KABQK2FH26-Z ABRNDO 040CHNGAK2EA0EE   172TF                               + 07000                           A FS
       SUSAP KABQK2FH26-Z APILLA 010PILLAK2EA0E  B    IF                                    10000     18000210              A-FS
       SUSAP KABQK2FH26-Z APILLA 020SIMSSK2EA0E    010TF                                 + 07700                           A FS
       SUSAP KABQK2FH26-Z APILLA 030FABEXK2EA0E   R041RF       0025303487    01940014   + 07400               CFPQK K2EAA FS
       SUSAP KABQK2FH26-Z APILLA 040CHNGAK2EA0EE   172TF                               + 07000                           A FS
       SUSAP KABQK2FH26-Z ATACOH 010TACOHK2EA0E  B    IF                                    10000     18000210              A-FS
       SUSAP KABQK2FH26-Z ATACOH 020TEAJAK2EA0E    041TF                                 + 09200                           A FS
       SUSAP KABQK2FH26-Z ATACOH 030SIMSSK2EA0E   R041RF       0026902389    34870052   + 07700               CFPQV K2EAA FS
       SUSAP KABQK2FH26-Z ATACOH 040FABEXK2EA0E   R041RF       0025303487    01940014   + 07400               CFPQK K2EAA FS
       SUSAP KABQK2FH26-Z ATACOH 050CHNGAK2EA0EE   172TF                               + 07000                           A FS
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: **5355** **THRE: 5355**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: **ALBUQUERQUE INTL SUNPORT**	**RNAV**	**RNAV (RNP) Z RWY 26, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
        SUSAP KABQK2FH26-Z H      020CHNGAK2EA1E  F    IF                                  + 07000     18000       RW26  K2PGA FS
        SUSAP KABQK2FH26-Z H      020CHNGAK2EA2W                                                A172                          FS
        SUSAP KABQK2FH26-Z H      021LEETRK2EA0E   L172RF       0014900194    25950031                        -300CFDXJ K2EAA FS
        SUSAP KABQK2FH26-Z H      030RW26 K2PG0GY M 172TF                                   05405             -300          A FS
        SUSAP KABQK2FH26-Z H      040YANNUK2EA0E M  010TF                                                                   A FS
        SUSAP KABQK2FH26-Z H      050ABQ  K2D 0VY   010TF                                  + 08000                          A FS
        SUSAP KABQK2FH26-Z H      060ABQ  K2D 0VE  L   HM                     07900070     + 08000                          A FS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2GRW26    0137932595 N35023863W106343189-0300    +1611205355000050150R
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2SRW26 K2PG                0   18018012025                                                                    M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 5355 THRE: 5355	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 26, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BRNDO	BRNDO	010		IF		FB				AT 09000	AB 210
	BRNDO	AUXFL	020		TF		FB	1.0			AA 08500	
	BRNDO	FABEX	030		RF	L	FB	1.0		003.6	AA 07400	
	BRNDO	CHNGA	040		TF		FB	0.17			AA 07000	
	PILLA	PILLA	010		IF		FB				AT 10000	AB 210
	PILLA	SIMSS	020		TF		FB	1.0			AA 07700	
	PILLA	FABEX	030		RF	R	FB	0.4		001.4	AA 07400	
	PILLA	CHNGA	040		TF		FB	0.17			AA 07000	
	TACOH	TACOH	010		IF		FB				AT 10000	AB 210
	TACOH	TEAJA	020		TF		FB	0.4			AA 09200	
	TACOH	SIMSS	030		RF	R	FB	0.4		005.2	AA 07700	
	TACOH	FABEX	040		RF	R	FB	0.4		001.4	AA 07400	
	TACOH	CHNGA	050		TF		FB	0.17			AA 07000	
		CHNGA	020	FAF	IF		FB				AA 07000	
		LEETR	021		RF	L	FB	0.17		003.1		
		RW26	030	MAP	TF		FO	0.17			AT 05405	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	YANNU	040		TF		FB	1.0				
	ABQ	050		TF		FO	1.0			AA 08000	
	ABQ	060		HM	L	FO		079.0(090.0T)	007.0	AA 08000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ABQ	N350237.66	W1064858.72	N3502.628	W10648.979
	AUXFL	N345719.62	W1063514.09	N3457.327	W10635.235
	BRNDO	N345715.45	W1063857.26	N3457.258	W10638.954
	CFDXJ	N350108.17	W1063214.68	N3501.136	W10632.245
	CFDXM	N350052.92	W1063519.90	N3500.882	W10635.332
	CFPQK	N345748.24	W1062856.80	N3457.804	W10628.947
	CFPQV	N345748.28	W1062845.12	N3457.805	W10628.752
	CHNGA	N350022.90	W1063040.77	N3500.382	W10630.680
	FABEX	N345905.13	W1063136.16	N3459.086	W10631.603
	LEETR	N350237.71	W1063213.78	N3502.629	W10632.230
	PILLA	N344853.57	W1063158.59	N3448.893	W10631.977
	SIMSS	N345747.60	W1063201.49	N3457.793	W10632.025
	TACOH	N345632.06	W1062327.29	N3456.534	W10623.455
	TEAJA	N345516.52	W1062737.45	N3455.275	W10627.624
	YANNU	N350241.34	W1064208.59	N3502.689	W10642.143
	RW26	N350238.63	W1063431.89	N3502.644	W10634.532

QUALITY

CITY AND STATE	ELEVATION: 5355 THRE: 5355	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: **ALBUQUERQUE INTL SUNPORT**	**RNAV**	**RNAV (RNP) Z RWY 26, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW26	05355	50

QUALITY CHECKED

CITY AND STATE	ELEVATION: **5355** **THRE: 5355**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: **ALBUQUERQUE INTL SUNPORT**	**RNAV**	**RNAV (RNP) Z RWY 26, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	TACOH	TEAJA	1. AAO	345715.50N/1062344.50W	7942 (2A)	500	AC3 PR150	8600
(RNP 0.40)@			2. TERRAIN	345715.50N/1062344.50W	7742 (7700)		AS1500	9200
INTERMEDIATE: STEPDOWN	TEAJA	SIMSS	3. AAO	345543.00N/1062729.00W	6719 (2C)	500	AC20 AT461	7700
(RNP 0.40)#			4. TERRAIN	345543.00N/1062729.00W	6519 (6500)		AS1000	7500
INTERMEDIATE	PILLA	SIMSS	5. TOWER (35-000332)	345731.00N/1062940.00W	6010 (5E)	500	AC125 AT1065	7700
(RNP 1.00)			6. TERRAIN	344839.00N/1062933.00W	5784 (5800)		AS1500	7300
INTERMEDIATE: STEPDOWN	SIMSS	FABEX	7. AAO	345845.00N/1063045.00W	5781 (3E)	500	AC86 AT1033	7400
(RNP 0.40)#			8. TERRAIN	345845.00N/1063045.00W	5581 (5600)		AS1000	6600
INTERMEDIATE	BRNDO	AUXFL	9. AAO	345730.00N/1063745.00W	5538 (3E)	500	AC86 AT2376	8500
(RNP 1.00)			10. TERRAIN	345730.00N/1063745.00W	5338 (5300)		AS1500	6800
INTERMEDIATE: STEPDOWN	AUXFL	FABEX	11. AAO	345948.00N/1063006.00W	6057 (3E)	500	AC86 AT757	7400
(RNP 1.00)			12. TERRAIN	345948.00N/1063012.00W	5833 (5800)		AS1500	7300
INTERMEDIATE: STEPDOWN	FABEX	CHNGA	13. AAO	350000.00N/1063030.00W	5788 (3E)	500	AC86 AT626	7000
(RNP 0.17)$			14. TERRAIN	350021.00N/1063015.00W	5630 (5600)		AS1000	6600
FINAL: RNP 0.17%	CHNGA	LEETR				ASC		
3. MISSED APPROACH MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW26**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (35-000303)	020/ 11.9	10816 (5E)	12000					

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ALBUQUERQUE, NM	ELEVATION: 5355 AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 26, ORIG	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ABQ TOWER ZAB ARTCC	N W S	OTHER: ASOS	SOURCE: KABQ
	F A A		DISTANCE:
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION:
X V H F X U H F H F	LOCATION: KABQ		ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 08, 03
X	HIRL 21, 08, 03, 26
X	MIRL 17, 12, 30, 35
X	REIL 17, 21, 30, 35, 03, 26
X	TDZ 08, 03
X	C/L 21, 08, 03, 26
X	OTHER (SPECIFY) VASI-6L 08 PAPI-4L 21, 30, 03, 26 VASI-4L 17, 35

6. RUNWAY MARKINGS	BASIC	BSC-G 12, 30
	ALL WEATHER	PIR-G 21, 08, 03, 26
	INSTRUMENT	NPI-G 17, 35
7. RUNWAY VISUAL RANGE	APPROACH	08, 03
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH		
GP ANGLE: 3.00		ELEV RWY THRESHOLD: 5354.9
DISTANCE FROM RWY:		ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 50.0

9. FINAL APPROACH COURSE AIMING			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: 1

ORDER 8260.52, PARAGRAPH 1.11.3; RF SEGMENT BANK ANGLE GREATER THAN 20 DEGREES (AND LESS THAN RNP 1.00).

PART D - PREPARED BY: SCOTT M. CORY	DATE: 06/28/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PARA 251, 20:1 PENETRATION.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

MAX SPEED TEAJA TO SIMSS - 210 KIAS.

MAX SPEED SIMSS TO FABEX - 210 KIAS.

MAX SPEED AUXFL TO FABEX - 210 KIAS.

BACKUP ALTIMETER NOT PUBLISHED DUE TO REDUNDANT WEATHER SOURCES AT AIRPORT.

3. KABQ ASOS ON SERVICE-A.

5. VGSI DATA: 3.00/82.6

SEE ATTACHED AIRSPACE LETTER.

AUTHORIZATION REQUIRED (AR). FAAO 8260.52 CRITERIA USED; IPDS USED FOR PROCEDURE EVALUATION.

BARO-VNAV NA BELOW -12C (11F) OR ABOVE 48C (119F). DESCENT RATE: STANDARD TEMP 1030 HIGH TEMP 1202 HIGH TEMPERATURE LIMIT AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR.

ISA DEVIATION USED: -16.40C (2.48F)

AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2006-2010); ACT: -12C.

ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
20:1 5362 FENCE (35-020239) (20/3) 350242.82N/1063426.84W (0.29); CAT C/D ONLY.

POFZ PENETRATIONS:
5356 SIGN (KABQT0080) (20/3) 350240.76N/1063430.55W (4.10) DUE TO POFZ PENETRATIONS, PROCEDURE LIMITED TO 250' HATH AND 3/4 SM VIS.

PROCEDURE ENTRY TRANSITIONS ESTABLISHED PER AIR TRAFFIC/LEAD CARRIER REQUEST: TACOH TRANSITION TIES TO COLTR (RNAV) STAR; PILLA TRANSITION TIES TO LZZRD (RNAV) STAR; BRNDO TRANSITION TIES TO KRKEE (RNAV) STAR.

210 KIAS MAX USED IN ALL INTERMEDIATE SEGMENTS PER FPT/LEAD CARRIER REQUEST.

CLOSE TO 25 DEGREE BANK ANGLE USED IN RF FINAL SEGMENT TO AVOID TERRAIN TO EAST OF AIRPORT; 25 DEGREE BANK ANGLES ALSO USED IN INTERMEDIATE RF SEGMENTS PER FPT/LEAD CARRIER REQUEST; WAIVER SUBMITTED FOR SEGMENTS ESTABLISHED AT LESS THAN RNP 1.00 IAW AFS MEMO DATED 10/3/2011.

@ RNP 0.40 USED TO AVOID HIGHER TERRAIN.

RNP 0.40 USED DUE TO PRECEDING SEGMENT RNP VALUE.

$ RNP 0.17 USED TO AVOID TERRAIN PEAK ADJACENT TO PFAF LOCATION (TO ALLOW 7000' PFAF).

CONT.

QUALITY 1 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: RNP 0.17%	LEETR	RW26	15. TREE	350257.00N/1063330.00W	5431 (2D)	20.45:1	AC30 MA54	5736/381
MISSED APPROACH	*DA*	*RW26*	16. TREE	350300.00N/1063327.00W	5434 (2D)	ASC	AC30	
(RNP 0.17-1.00)		*(40:1)*						
MISSED APPROACH	*RW26*	*YANNU*				*ASC*		
(RNP 0.17-1.00)		*(40:1)*						
MISSED APPROACH	*YANNU*	*ABQ VORTAC*				*ASC*		
(RNP 1.00)		*(40:1)*						
MISSED APPROACH	*DA*	*ABQ VORTAC*				*ASC*		*8000*
(RNP 1.00)		*LEVEL SURFACE*	17. AAO	350436.00N/1065012.00W	6060 (2D)	1000	AC30	7100
ELEV:	5464	*AIRSPACE*	18. TERRAIN	350436.00N/1065012.00W	5860 (5900)		AS1500	7400

3. MISSED APPROACH	
MAP:	
ELEV:	

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.	
		REQUIRED	ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

QUALITY CHECKED

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ALBUQUERQUE, NM	ELEVATION: 5355 AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 26, ORIG	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS ☐ FAA ☐ A/C OTHER:	SOURCE:
		DISTANCE:
		HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS		
PRIMARY NAVAID:		
MONITOR POINT:		
HRS OPTN:	CAT 1	
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	
☐	ALS
☐	(S) SALS
☐	MALS
☐	HIRL
☐	MIRL
☐	REIL
☐	TDZ
☐	C/LINE
☐	OTHER (SPECIFY)

6. RUNWAY MARKINGS	
BASIC	
ALL WEATHER	
INSTRUMENT	

7. RUNWAY VISUAL RANGE	
APPROACH	
MIDFIELD	
ROLL OUT	

8. GLIDE PATH		
GP ANGLE:	ELEV RWY THRESHOLD:	
DISTANCE FROM RWY:	ELEV GP ANTENNA:	
	THRESHOLD CROSSING HEIGHT:	

9. FINAL APPROACH COURSE AIMING		
☐	RUNWAY THRESHOLD	FT. FROM THRESHOLD
☐	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

CONTINUED.

% RNP 0.17 FINAL ONLY DEVELOPED TO AVOID TERRAIN TO EAST OF AIRPORT; HIGHER RNP VALUES CONTAIN RISING TERRAIN THAT CREATES AN ADVERSELY HIGH DA, WHICH PUSHES OUT THE MINIMUM FROP AND PICKS UP EVEN HIGHER TERRAIN, PREVENTING FURTHER PROCEDURE DEVELOPMENT; NO WAIVER REQUIRED PER 8260.19E CHG 2 PARA 8-54G(3).

100' VEGETATION USED EXCEPT 50' VEGETATION APPLIED WITHIN CLOSE PROXIMITY OF AIRPORT PER MAP/SATELLITE IMAGE STUDY AND EXISTING PROCEDURES.

OBST 15 - 50' TREE APPLIED PER MAP/SATELLITE IMAGE STUDY.

OBST 16 - 50' TREE APPLIED PER MAP/SATELLITE IMAGE STUDY.

VEB DATA: SEE ATTACHED SPREADSHEETS.

MISSED APPROACH: FAAO 8260.52 PARA 4.2 (STANDARD RNP MA); IPDS USED FOR EVALUATION.

RF SEGMENT RADIUS/BANK ANGLE COMPUTATIONS:

SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	TR	BA
TEAJA-SIMSS	9200	210	247.9	3845.1	45*	2.69	24.93
SIMSS-FABEX	7738	210	242.3	2383.1	42*	2.53	24.96
AUXFL-FABEX	8500	210	245.2	3145.1	43*	3.55	18.83
CHNGA-LEETR	7000	165	188.2	1645.1	30&	1.49	24.97

*VKTW OBTAINED FROM 99% HISTORICAL WIND DATA (MITRE).
&VKTW OBTAINED IAW AFS MEMO DATED 10/3/2011 (8260.54A FORMULA 2-3B).

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: AUXFL **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345719.62N/1063514.09W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BRNDO **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345715.45N/1063857.26W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)
STAR	KRKEE (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: CFDXJ **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350108.17N/1063214.68W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFDXM **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350052.92N/1063519.90W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFPQK **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345748.24N/1062856.80W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFPQV **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345748.28N/1062845.12W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 06/28/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHNGA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350022.90N/1063040.77W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

REMARKS:
PFAF LOCATION ESTABLISHED WITH 8260.54A FORMULA 2-16B.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: FABEX **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345905.13N/1063136.16W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LEETR **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350237.71N/1063213.78W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: PILLA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 344853.57N/1063158.59W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 21			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)
STAR	LZZRD (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/11/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SIMSS **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345747.60N/1063201.49W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TACOH **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345632.06N/1062327.29W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 21			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)
STAR	COLTR (RNAV)			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/11/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TEAJA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345516.52N/1062737.45W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: YANNU **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350241.34N/1064208.59W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 26			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 26			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/12/2012 **OFFICE:** AJV-353 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

"INFO ONLY"

NAME: ALBUQUERQUE VORTAC **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350237.66N/1064858.72W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ALBUQUERQUE	ABQ	VORTAC	H							45000

FIX RESTRICTIONS:
MCA V68 10000 SOUTHEAST BOUND
MCA V190 11500 NORTHEAST BOUND
MCA V12 10700 EASTBOUND

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	ABQ	VORTAC	257.00	077.00	L	1-1 1/2		8000	29000	8	22
2	W		WP	259.00	079.00	L		7	8000	14000	9	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	AAO	350259.50N/1071124.70W	6900	6A
1	230	AAO	350445.00N/1070833.00W	6503	4E
1	310	AAO	350259.50N/1071124.70W	6900	6A
2	230	AAO	350418.00N/1070845.00W	6644	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 AVOID INBOUND/OUTBOUND TRAFFIC
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:
UNPLANNED HOLDING NA R-360 CW TO R-110. UNPLANNED HOLDING NA BELOW 10000 R-167 CW TO R-359.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 3	KABQ	ALBUQUERQUE	NM (US)
1	TAKEOFF MINIMUMS	KABQ	ALBUQUERQUE	NM (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHEZZ (RNAV)			KPHX	PHOENIX	AZ (US)
DP	RIMMM (RNAV)			KPHX	PHOENIX	AZ (US)
DP	ST. JOHNS			KPHX	PHOENIX	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	ALBUQUERQUE		1	KABQ	ALBUQUERQUE	NM (US)
DP	LARGO		1	KABQ	ALBUQUERQUE	NM (US)
DP	TAKEOFF MINIMUMS		1	KABQ	ALBUQUERQUE	NM (US)
DP	ZIASE			KSAF	SANTA FE	NM (US)
EN ROUTE	J13					(US)
EN ROUTE	J15					(US)
EN ROUTE	J18					(US)
EN ROUTE	J57					(US)
EN ROUTE	J6					(US)
EN ROUTE	J72					(US)
EN ROUTE	J78					(US)
EN ROUTE	V12					(US)
EN ROUTE	V187					(US)
EN ROUTE	V190					(US)
EN ROUTE	V234					(US)
EN ROUTE	V263					(US)
EN ROUTE	V291					(US)
EN ROUTE	V60					(US)
EN ROUTE	V611					(US)
EN ROUTE	V68					(US)
IAP	HI TACAN RWY 8		1	KABQ	ALBUQUERQUE	NM (US)
IAP	HI-ILS OR LOC RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	ILS OR LOC RWY 3		1	KABQ	ALBUQUERQUE	NM (US)
IAP	ILS OR LOC RWY 8		1	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) RWY 17		2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) RWY 35		2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) Y RWY 3			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) Y RWY 8			KABQ	ALBUQUERQUE	NM (US)

QUALITY CHECKED

IAP	RNAV (RNP) Y RWY 21	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Y RWY 26	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 21	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 26	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 3	2	KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 8	2	KABQ	ALBUQUERQUE	NM (US)
IAP	VOR OR TACAN RWY 8	1	KABQ	ALBUQUERQUE	NM (US)
IAP	ILS RWY 22		KAEG	ALBUQUERQUE	NM (US)
IAP	RNAV (GPS) RWY 22		KAEG	ALBUQUERQUE	NM (US)
STAR	CURLY		KABQ	ALBUQUERQUE	NM (US)
STAR	FRIHO		KABQ	ALBUQUERQUE	NM (US)
STAR	LAVAN		KABQ	ALBUQUERQUE	NM (US)
STAR	MIERA		KABQ	ALBUQUERQUE	NM (US)
STAR	CURLY		KAEG	ALBUQUERQUE	NM (US)
STAR	FRIHO		KAEG	ALBUQUERQUE	NM (US)
STAR	LAVAN		KAEG	ALBUQUERQUE	NM (US)
STAR	MIERA		KAEG	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
DELETED PAT 3 (NOT USED)
ADDED REASON FOR PAT 2 NON STANDARD HOLDING
UPDATED PRECIPITOUS TERRAIN EVAL REMARK
DELETED CLIMB-IN-HOLD REMARK
MOVE UNPLANNED HOLDING REMARK TO HOLDING RESTRICTIONS
UPDATED FIX USE
LOWERED PAT 1 MAX TEMPLATE FROM 25 TO 22

DEVELOPED BY: **DATE:** 04/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (DANA MITCHELL)

APPROVED BY: **DATE:** 08/08/2011 **OFFICE:** AJV-353 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: ABQ APP CON
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **ALBUQUERQUE** STATE: **NM**

AIRPORT NAME: **ALBUQUERQUE INTL SUNPORT** ID: **KABQ**

PROCEDURE: **RNAV (RNP) Z RWY 26** AMDT: **ORIG**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **4.07**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **0.68**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **SEE REMARKS**
4. High Terrain in **FINAL** segment containing 1000' point **5719**
5. Distance from **THLD** to 1500' point **5.41**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **0.68**
7. True Course of **INTERMEDIATE** segment containing 1500' point **030.36**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **5630**
9. Threshold Coordinates (if straight-in) ... **350238.63N** / **1063431.89W**
10. ARP Coordinates ..... **350224.70N** / **1063633.10W**
11. Runway Approach End and distance furthest from ARP ..... RWY **26**
    Distance **1.67** NM
11. Runway Approach End and distance furthest from ARP ..... RWY **26**
    Distance **1.67** NM
12. FAF Coordinates ..... **350022.90N** / **1063040.77W**

REMARKS: Approach/Drawing attached.

3. 1000' POINT LOCATED IN RF FINAL SEGMENT (CHNGA-LEETR); TURN RADIUS: 1.49 NM, RF CENTER POINT: (CFDXJ) 350108.17N/ 1063214.68W

7. 1500' POINT LOCATED IN TF INTERMEDIATE SEGMENT (FABEX-CHNGA)

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:
Albuquerque, NM (ABQ)
Albuquerque Intl Sunport
RNAV (RNP) Z RWY 26

2. Waiver Required and Applicable Standard:
AFS-400 Memorandum dated OCT 3, 2011, 1b: "RF Rule: Calculated RF bank angle based on the design radius not to exceed 25 degrees (20 degrees for RNP/ATT values less tha 1.0)."

3. Reason for Waiver *(Justification for nonstandard treatment)*:
RF segments for this procedure (intermediate and final) developed at close to, but less than 25 degree bank angle to keep turns as tight as possible to avoid mountainous terrain to east of airport. However, reduced RNP levels were also required in these segments to avoid the same terrain.

4. Equivalent Level of Safety Provided:

1) Procedure is Authorization Required (AR).

2) Validation in simulator with satisfactory results.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:
N/A: RNAV procedure

6. Coordination With User Organizations *(Specify)*:

AJV-353: _____

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV-3	**Director, AeroNav Products**	**Chas. Frederic Anderson**

FAA FORM 8260 - 1 / July 2003 (computer generated)

8. CONTINUATION
Comments:

9. AFS ACTION		Approved
		Disapproved
		Not Required

Comments:

Date:	Routing Symbol:	Signature:

DO NOT REMOVE FROM PACKAGE.

PFAF Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	0.00
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	000° 00' 00.00"
PFAF Longitude:	000° 00' 00.00"

Latitude/Longitude valid for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	7000
LTP Elevation:	5354.9
Glidepath Angle:	3
TCH:	50
RNP Value:	0.17
Δ ISA:	-16.4
Straight In Segment	
(*Wingspan =<262*) LTP to Origin:	3,130.40'
(*Wingspan =<136*) LTP to Origin:	2,925.93'
OCS Slope Ratio:	20.45 : 1
RF Turn Segment | Bank angle:	24.97°
(*Wingspan =<262*) LTP to Origin:	3,749.95'
(*Wingspan =<136*) LTP to Origin:	3,206.17'
OCS Slope Ratio:	20.45 : 1

Version 2.0

VEB Temperature Limits

Glidepath Angle:		
Max Glidepath Angle:		
PFAF Elevation:		
LTP Elevation:		
ACT:		
Min Glidepath Angle	#DIV/0!	
NA Below	#DIV/0!	#DIV/0!
NA Above	#DIV/0!	#DIV/0!

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	5,354.90
TCH (ft)	50.00
OCS Slope	20.45
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,749.95
Obstacle Distance (ft) *(measured along-track from LTP)*	32,166.89
VEB ROC *(at obstacle)*	**352**
Glidepath MSL altitude at Obstacle	7,115.49
OCS MSL altitude at Obstacle	6,763.83

FABEX-CHNGA