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)	ALVRZ (TF) (FB) (RNP 1.00)	254.86 / 3.86	9600
ALVRZ	MANZY (RF) (FB) (RNP 1.00)	(2.72 NM RADIUS CW CFDWX)/4.54	8500
PILLA (IF)	MANZY (TF) (FB) (RNP 1.00)	350.35 / 10.13	8500
MANZY	KARRI (RF) (FB) (RNP 0.30)	(2.59 NM RADIUS CW CFDWZ)/1.69	8000
KARRI	WIMIM (RF) (FB) (RNP 0.30)	(2.52 NM RADIUS CCW CFDXB)/2.91	7200
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 8000 ON TRACK 213.80 TO HUMKU, RIGHT TURN TO WAPMA, THEN ON TRACK 315.34 TO ABQ VORTAC AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT MANZY
3. FAC: % FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: MANZY 8500, KARRI 8000, WIMIM 7200, COSKI 6600
5. DIST TO THLD FROM OM: 3.86 MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 6600 GS ALT AT: COSKI 6600, TEENR 6030 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 55.0# 34:1 IS CLEAR
8. MSA FROM: RW21 12000

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 079.00 INBOUND.
CHART FAS OBST: 5466 TANK 350317N/1063558W
CHART 5317 SIGN 350229N/1063624W
DISTANCE TO THLD FROM 442 HATH: 1.21 NM.
ROUTE TYPE: A, H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
#TCH 5371.1 MSL (DO NOT CHART)
CHART MANDATORY 10000 AT TACOH
CHART MANDATORY 10000 AT PILLA

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 0.30 DA	5758	1 1/2	442	5758	1 1/2	442	5758	1 1/2	442	5758	1 1/2	442			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 47C (116F).
CHART NOTE: RF REQUIRED.
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE AT PILLA : MAX 210 KIAS.
(SEE FORM 8260-10)

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 5355 THRE: 5316 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 21, 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: **SCOTT M. CORY**	FIFO **AJV-353**	DATE: **04/21/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. ORIGINAL PROCEDURE.

REASONS:

1. FPT REQUEST.

6/22/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/21/2012.
1. CHANGED INITIAL SEGMENTS (TACOH-ALVRZ, ALVRZ-MANZY, PILLA-MANZY) TO INTERMEDIATE SEGMENTS.
2. REMOVED (IF) DESIGNATION AT MANZY.
3. ADDED PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
4. REMOVED LINE 3: DIST FAF TO MAP.

QUALITY CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WIMIM	COSKI (RF) (FB) (RNP 0.30)	(2.23 NM RADIUS CCW CFDXC)/2.08	6600
COSKI (FAF)	%TEENR (RF) (FB)	(1.89 NM RADIUS CCW CFDXD)/1.79	
TEENR	%RW21 (MAP) (TF) (FO)	213.82 / 2.07	
RW21 (MAP)	HUMKU (TF) (FB) (RNP 1.00)	213.80 / 4.02	
HUMKU	WAPMA (RF) (FB) (RNP 1.00)	(3.81 NM RADIUS CW CFDXF) / 6.76	
WAPMA	ABQ VORTAC (TF) (FO) (RNP 1.00)	315.34 / 2.89	8000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT MANZY : MAX 180 KIAS.
CHART PLANVIEW NOTE AT TACOH : MAX 210 KIAS.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE AT TACOH: (RNP 0.30).
CHART PLANVIEW NOTE AT PILLA: (RNP 0.30).
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

CITY AND STATE	ELEVATION: 5355 THRE: 5316	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 21, ORIG	AMDT: NONE
				DATED:

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

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:

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)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ABQ   K2011320VTHA N35023766W106485872    N35023766W106485872E0130057492     NARALBUQUERQUE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALVRZ K20    W     N34561522W106280812                    E0090     NAR           ALVRZ
        SUSAEAENRT   CFDWX K20    W     N34585825W106282262                    E0090     NAR           CNF(CFDWX)
        SUSAEAENRT   CFDWZ K20    W     N34585843W106283212                    E0090     NAR           CNF(CFDWZ)
        SUSAEAENRT   CFDXB K20    W     N35021024W106332360                    E0091     NAR           CNF(CFDXB)
        SUSAEAENRT   CFDXC K20    W     N35021828W106330480                    E0091     NAR           CNF(CFDXC)
        SUSAEAENRT   CFDXD K20    W     N35023846W106330088                    E0091     NAR           CNF(CFDXD)
        SUSAEAENRT   CFDXF K20    W     N35022000W106430998                    E0091     NAR           CNF(CFDXF)
        SUSAEAENRT   COSKI K20    W     N35043061W106323907                    E0091     NAR           COSKI
        SUSAEAENRT   HUMKU K20    W     N34593879W106395233                    E0091     NAR           HUMKU
        SUSAEAENRT   KARRI K20    W     N35003567W106305981                    E0090     NAR           KARRI
        SUSAEAENRT   MANZY K20    W     N34590215W106314118                    E0090     NAR           MANZY
        SUSAEAENRT   PILLA K20    W     N34485357W106315859                    E0090     NAR           PILLA
        SUSAEAENRT   TACOH K20    W     N34563206W106232729                    E0090     NAR           TACOH
        SUSAEAENRT   TEENR K20    W     N35035853W106343885                    E0091     NAR           TEENR
        SUSAEAENRT   WAPMA K20    W     N35001315W106470170                    E0092     NAR           WAPMA
        SUSAEAENRT   WIMIM K20    W     N35032007W106304020                    E0090     NAR           WIMIM

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2AABQ     0     137YHN35022470W106363310E011005355         1800018000C    MNAR    ALBUQUERQUE INTL SUNPORT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2FH21-Z APILLA 010PILLAK2EA0E  B    IF                                  10000     18000210              A-FS
        SUSAP KABQK2FH21-Z APILLA 020MANZYK2EA0EE   010TF                               + 08500          180              A-FS
        SUSAP KABQK2FH21-Z ATACOH 010TACOHK2EA0E  B    IF                                  10000     18000210              A-FS
        SUSAP KABQK2FH21-Z ATACOH 020ALVRZK2EA0E    010TF                               + 09600                           A FS
        SUSAP KABQK2FH21-Z ATACOH 030MANZYK2EA0EE  R010RF       0027202549    35040045   + 08500          180     CFDWX K2EAA-FS
        SUSAP KABQK2FH21-Z H      010MANZYK2EA0E  I    IF                               + 08500     18000        RW21  K2PGA FS
        SUSAP KABQK2FH21-Z H      011KARRIK2EA0E   R031RF       0025903504    02770017   + 08000                CFDWZ K2EAA FS
        SUSAP KABQK2FH21-Z H      012WIMIMK2EA0E   L031RF       0025200277    32150029   + 07200                CFDXB K2EAA FS
        SUSAP KABQK2FH21-Z H      020COSKIK2EA1E  FL031RF       0022303215    26810021   + 06600                CFDXC K2EAA FS
        SUSAP KABQK2FH21-Z H      020COSKIK2EA2W                                             A031                           FS
        SUSAP KABQK2FH21-Z H      021TEENRK2EA0E   L031RF       0018902681    21380018   + 06030             -300CFDXD K2EAA FS
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5355 THRE: 5316	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: **ALBUQUERQUE INTL SUNPORT**	**RNAV**	**RNAV (RNP) Z RWY 21, ORIG**	AMDT: **NONE**
				DATED:

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

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:

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```
SUSAP KABQK2FH21-Z H      030RW21 K2PG0GY M 031TF                                  05371            -300          A FS
SUSAP KABQK2FH21-Z H      040HUMKUK2EA0E M  010TF                                                                A FS
SUSAP KABQK2FH21-Z H      050WAPMAK2EA0E   R010RF       0038102138    31530068                        CFDXF K2EAA FS
SUSAP KABQK2FH21-Z H      060ABQ  K2D 0VY   010TF                                          + 08000                A FS
SUSAP KABQK2FH21-Z H      070ABQ  K2D 0VE  L   HM                      07900070           + 08000                A FS
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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2GRW21    0100002138 N35023027W106362546-0100     +15992053160000551 50R
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KABQK2SRW21 K2PG                0   18018012025                                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5355 THRE: 5316	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 21, ORIG	AMDT: NONE
				DATED:

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

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**

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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
	PILLA	PILLA	010		IF		FB				AT 10000	AB 210
	PILLA	MANZY	020		TF		FB	1.0			AA 08500	AB 180
	TACOH	TACOH	010		IF		FB				AT 10000	AB 210
	TACOH	ALVRZ	020		TF		FB	1.0			AA 09600	
	TACOH	MANZY	030		RF	R	FB	1.0		004.5	AA 08500	AB 180
		MANZY	010	FACF	IF		FB				AA 08500	
		KARRI	011		RF	R	FB	0.3		001.7	AA 08000	
		WIMIM	012		RF	L	FB	0.3		002.9	AA 07200	
		COSKI	020	FAF	RF	L	FB	0.3		002.1	AA 06600	
		TEENR	021		RF	L	FB	0.3		001.8	AA 06030	
		RW21	030	MAP	TF		FO	0.3			AT 05371	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	HUMKU	040		TF		FB	1.0				
	WAPMA	050		RF	R	FB	1.0		006.8		
	ABQ	060		TF		FO	1.0			AA 08000	
	ABQ	070		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
	ALVRZ	N345615.22	W1062808.12	N3456.254	W10628.135
	CFDWX	N345858.25	W1062822.62	N3458.971	W10628.377
	CFDWZ	N345858.43	W1062832.12	N3458.974	W10628.535
	CFDXB	N350210.24	W1063323.60	N3502.171	W10633.393
	CFDXC	N350218.28	W1063304.80	N3502.305	W10633.080
	CFDXD	N350238.46	W1063300.88	N3502.641	W10633.015
	CFDXF	N350220.00	W1064309.98	N3502.333	W10643.166
	COSKI	N350430.61	W1063239.07	N3504.510	W10632.651
	HUMKU	N345938.79	W1063952.33	N3459.647	W10639.872
	KARRI	N350035.67	W1063059.81	N3500.595	W10630.997
	MANZY	N345902.15	W1063141.18	N3459.036	W10631.686
	PILLA	N344853.57	W1063158.59	N3448.893	W10631.977
	TACOH	N345632.06	W1062327.29	N3456.534	W10623.455
	TEENR	N350358.53	W1063438.85	N3503.976	W10634.648
	WAPMA	N350013.15	W1064701.70	N3500.219	W10647.028
	WIMIM	N350320.07	W1063040.20	N3503.335	W10630.670
	RW21	N350230.27	W1063625.46	N3502.505	W10636.424

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5355 THRE: 5316	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: **ALBUQUERQUE INTL SUNPORT**	**RNAV**	**RNAV (RNP) Z RWY 21, ORIG**	AMDT: **NONE**
				DATED:

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

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:

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RW21 05316 55

QUALITY CHECKED

CITY AND STATE	ELEVATION: 5355 THRE: 5316	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ALBUQUERQUE, NM	AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 21, ORIG	AMDT: NONE
				DATED:

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

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	ALVRZ	1. AAO	345812.00N/1062321.00W	8235 (3E)	500	AC86 PR180 AT599	9600
(RNP 1.00)			2. TERRAIN	345812.00N/1062321.00W	8035 (8000)		AS1500	9500
INTERMEDIATE: STEPDOWN	ALVRZ	MANZY	3. AAO	345621.00N/1062709.00W	7048 (3E)	500	AC86 PR110 AT756	8500
(RNP 1.00)			4. TERRAIN	345621.00N/1062709.00W	6848 (6800)		AS1500	8300
INTERMEDIATE	PILLA	MANZY	5. AAO	350000.00N/1063003.00W	6372 (3E)	500	AC86 AT1542	8500
(RNP 1.00)			6. TERRAIN	350000.00N/1063003.00W	6172 (6200)		AS1500	7700
INTERMEDIATE: STEPDOWN	MANZY	KARRI	7. AAO	350024.00N/1063015.00W	5824 (2D)	500	AC30 AT1646	8000
(RNP 0.30)@			8. TERRAIN	350024.00N/1063015.00W	5624 (5600)		AS1500	7100
INTERMEDIATE: STEPDOWN	KARRI	WIMIM	9. AAO	350136.00N/1062939.00W	6040 (2D)	500	AC30 AT630	7200
(RNP 0.30)@			10. TERRAIN	350139.00N/1062939.00W	5827 (5800)		AS1000	6800
INTERMEDIATE: STEPDOWN	WIMIM	COSKI	11. AAO	350312.00N/1063003.00W	5847 (2D)	500	AC30	6400
(RNP 0.30)@			12. TERRAIN	350312.00N/1063003.00W	5647 (5600)		AS1000	6600
FINAL: RNP 0.30	COSKI	TEENR (FROP)				ASC		6030
FINAL: RNP 0.30	TEENR	RW21	13. TANK (35-000168)	350317.00N/1063558.00W	5466 (1B)	20.42:1	AC10 MA11	5758/442
MISSED APPROACH	*DA*	*RW21*	13. TANK (35-000168)	350317.00N/1063558.00W	5466 (1B)	ASC	AC10	
(RNP 0.30-1.00)		*(40:1)*						

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: RW21

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (35-000303)	026/ 12.9	10816 (5E)	12000					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ALBUQUERQUE, NM	ELEVATION: 5355 AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	RNAV	RNAV (RNP) Z RWY 21, ORIG	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZAB ARTCC ABQ TOWER	N W S / F A A / A / C — OTHER: ASOS	SOURCE: KABQ DISTANCE: HOURS REMOTE OPERATION:
SATISFACTORY ON:		
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
		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: 5316.1
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 55.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: SCOTT M. CORY	DATE: 04/21/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

MAX SPEED TACOH TO ALVRZ - 210 KIAS.

MAX SPEED PILLA TO MANZY - 210 KIAS.

MAX SPEED MANZY TO KARRI - 180 KIAS.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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

3. KABQ ASOS ON SERVICE-A.

5. VGSI DATA: PAPI-4L DOES EXIST FOR RWY 21 BUT ADDITIONAL DATA IS UNAVAILABLE PER FPT/AIRPORT MANAGER; CHARTED NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

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 47C (116F).
DESCENT RATE: STANDARD TEMP 1029 HIGH TEMP 1201
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.

5317 MSL SIGN (KABQT0004) 350229.46N/1063624.47W PENETRATES RNP VISUAL OIS BY 3.90'; OBSTACLE CHARTED IAW FAAO 8260.52 PARA 3.6.

POFZ PENETRATIONS:
5318 SIGN (KABQT0001) (20/3) 350233.48N/1063626.84W (4.90)
5317 SIGN (KABQT0004) (20/3) 350229.46N/1063624.47W (3.90)
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.

210 KIAS MAX USED IN INTERMEDIATE RF SEGMENT (ALVRZ-MANZY) PER FPT/LEAD CARRIER REQUEST TO REDUCE TURN RADIUS AND MAINTAIN LESS THAN 25 DEGREE BANK ANGLE IAW AFS MEMO DATED 10/3/2011.

180 KIAS MAX USED IN INTERMEDIATE RF SEGMENTS (MANZY-KARRI, KARRI-WIMIM, WIMIM-COSKI) PER FPT/LEAD CARRIER REQUEST TO REDUCE TURN RADIUS AND MAINTAIN LESS THAN 20 DEGREE BANK ANGLE IAW AFS MEMO DATED 10/3/2011.

@ RNP 0.30 USED TO AVOID TALLER CONTROLLING OBSTRUCTIONS (TERRAIN + AAO).

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

VEB DATA: SEE ATTACHED SPREADSHEETS.

CONT.

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
MISSED APPROACH	*RW21*	*HUMKU*				*ASC*		
(RNP 0.30-1.00)		*(40:1)*						
MISSED APPROACH	*HUMKU*	*WAPMA*				*ASC*		
(RNP 1.00)		*(40:1)*						
MISSED APPROACH	*WAPMA*	*ABQ VORTAC*				*ASC*		
(RNP 1.00)		*(40:1)*						
MISSED APPROACH	*DA*	*ABQ VORTAC*				*ASC*		*8000*
(RNP 1.00)		*LEVEL SURFACE*	14. AAO	350221.00N/1065139.00W	6040 (2D)	1000	AC30	7100
ELEV:	5440	*AIRSPACE*	15. TERRAIN	350221.00N/1065139.00W	5840 (5800)		AS1500	7300

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:

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 21, ORIG**	**ASW**

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
SATISFACTORY ON:		N W S	OTHER:	SOURCE:
				DISTANCE:
		F A A		HOURS REMOTE OPERATION:
		A / C		
V H F / U H F / H F	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.

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
ALVRZ-MANZY	9600	210	249.7	4245.1	45$	2.72	24.94
MANZY-KARRI	8500	180	210.2	3145.1	43$	2.59	19.83
KARRI-WIMIM	8000	180	208.5	2645.1	42$	2.52	19.95
WIMIM-COSKI	7200	180	206.0	1845.1	30&	2.23	19.99
COSKI-TEENR	6600	165	187.0	1245.1	30&	1.89	19.96
HUMKU-WAPMA	8000	265	307.0	2645.1	42$	3.81	24.98

$VKTW OBTAINED FROM 99% HISTORICAL WIND DATA (MITRE).
&VKTW OBTAINED IAW AFS MEMO DATED 10/3/2011.

RADIO FIX AND HOLDING DATA RECORD

NAME: ALVRZ **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345615.22N/1062808.12W **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)

REQUIRED CHARTING: 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: CFDXF **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350220.00N/1064309.98W **TYPE:** CNF

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

FIX USE:

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

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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFDXD **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350238.46N/1063300.88W **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 21			KABQ	ALBUQUERQUE	NM (US)

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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFDXC **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350218.28N/1063304.80W **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 21			KABQ	ALBUQUERQUE	NM (US)

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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFDXB **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350210.24N/1063323.60W **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 21			KABQ	ALBUQUERQUE	NM (US)

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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFDWZ **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345858.43N/1062832.12W **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 21			KABQ	ALBUQUERQUE	NM (US)

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: CFDWX **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345858.25N/1062822.62W **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 21			KABQ	ALBUQUERQUE	NM (US)

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: COSKI **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350430.61N/1063239.07W **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 21			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/11/2012 **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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUMKU **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345938.79N/1063952.33W **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 21			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 21			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/11/2012 **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:

QUALITY CHECK

RADIO FIX AND HOLDING DATA RECORD

NAME: KARRI **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350035.67N/1063059.81W **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)

REQUIRED CHARTING: 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: MANZY **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345902.15N/1063141.18W **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)

REQUIRED CHARTING: 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:

QUALITY CHECKED

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:

QUALITY CHECKED

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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TEENR **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350358.53N/1063438.85W **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 21			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 21			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/11/2012 **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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WAPMA **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350013.15N/1064701.70W **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 21			KABQ	ALBUQUERQUE	NM (US)
IAP	RNAV (RNP) Z RWY 21			KABQ	ALBUQUERQUE	NM (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 03/11/2012 **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:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WIMIM **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350320.07N/1063040.20W **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)

REQUIRED CHARTING: 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: ALBUQUERQUE VORTAC **STATE:** NM **COUNTRY:** US **"INFO ONLY"**

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)

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:

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 21** 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 **3.23**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (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 **5419**
5. Distance from **THLD** to 1500' point **5.43**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **1.20**
7. True Course of **INTERMEDIATE** segment containing 1500' point **SEE REMARKS**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **5647**
9. Threshold Coordinates (if straight-in) ... **350230.27N** / **1063625.46W**
10. ARP Coordinates ..... **350224.70N** / **1063633.10W**
11. Runway Approach End and distance furthest from ARP ..... RWY **26**
    Distance **1.67** NM
12. FAF Coordinates ..... **350430.61N** / **1063239.07W**

REMARKS: Approach/Drawing attached.

3. 1000 FT POINT LOCATED IN RF FINAL SEGMENT (COSKI-TEENR) - SEE ATTACHED DRAWING

7. 1500 FT POINT LOCATED IN RF INTERMEDIATE SEGMENT (WIMIM-COSKI) - SEE ATTACHED DRAWING