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
MANWA (IAF)	BOCTA (TF) (FB) (RNP 1.00)	319.46 / 7.78	3100
BOCTA (IF)	JITIG (TF) (FB) (RNP 1.00)	319.46 / 3.39	2200
JITIG	TREEE (TF) (FB) (RNP 0.30)	319.44 / 1.16	2000
GEEZR (IF)	DWITT (TF) (FB) (RNP 1.00)	108.10 / 3.10	4000
DWITT	TBOBB (RF) (FB) (RNP 1.00)	(2.44 NM RADIUS CCW (CFBQH)) / 3.61	2800
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 3300 ON TRACK 319.40 TO OTSEE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TREEE
3. FAC: 319.43 FAF: ____ DIST FAF TO MAP: 3.02 THLD: ____
4. MIN. ALT: TREEE 2000
5. DIST TO THLD FROM OM: 3.02 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: TREEE 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.0# 34:1 IS NOT CLEAR
8. MSA FROM: RW32L 4100

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 139.30 INBOUND.
CHART FAS OBST: 1250 TREE 411633N/0955113W
CHART FAS OBST: 1084 TREE 411700N/0955302W
CHART 998 ANTENNA 411724N/0955305W
DISTANCE TO THLD FROM 378 HATH: 1.01 NM.
CHART MANDATORY 4000 AT LOESS
#TCH 1037.2 (DO NOT CHART)
ROUTE TYPE: A,H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
CHART MAXIMUM 5000 AT HILSS
CHART MINIMUM 5000 AT BRIKK
CHART MANDATORY 5000 AT MANWA
CHART MANDATORY 4000 AT BAARK
CHART MANDATORY 5000 AT GEEZR

MAG VAR: 5E EPOCH YEAR: 2000

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 0.15 DA	1358	5000	378	1358	5000	378	1358	5000	378	1358	5000	378			
RNP 0.30 DA	1623	1 3/4	643	1623	1 3/4	643	1623	1 3/4	643	1623	1 3/4	643			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.15 ALL CATS VISIBILITY TO 1 1/4 AND RNP 0.30 ALL CATS VISIBILITY TO 2 1/4.
(SEE FORM 8260-10)

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 984 THRE: 980	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 32L, 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 **ZMP, OMA APP CON, OMA ATCT, AMGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **DONALD H. LANIER**	FIFO **AJV-353**	DATE: **04/28/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. ORIG.

REASONS:

1. FPT REQUEST.

QUALITY CHECKED

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
BAARK (IF)	TBOBB (TF) (FB) (RNP 1.00)	023.25 / 4.97	2800
TBOBB	WOLIR (RF) (FB) (RNP 1.00)	(2.44 NM RADIUS CCW (CFBQH)) / 2.09	2200
WOLIR	TREEE (RF) (FB) (RNP 0.30)	(2.44 NM RADIUS CCW (CFBQH)) / .63	2000
HILSS (IF)	LOESS (TF) (FB) (RNP 1.00)	227.80 / 3.50	4000
LOESS	PEGGG (TF) (FB) (RNP 1.00)	228.56 / 2.42	3200
BRIKK (IF)	MVRIK (TF) (FB) (RNP 1.00)	139.39 / 2.98	4000
MVRIK	PEGGG (RF) (FB) (RNP 1.00)	(2.54 NM RADIUS CW (CFBQG)) / 3.95	3200
PEGGG	SAGTE (RF) (FB) (RNP 1.00)	(2.54 NM RADIUS CW (CFBQG)) / 3.19	2200
SAGTE	TREEE (RF) (FB) (RNP 0.30)	(2.54 NM RADIUS CW (CFBQG)) / .84	2000
TREEE (FAF)	RW32L (MAP) (TF) (FO)	319.43 / 3.02	
RW32L (MAP)	OTSEE (TF) (FO) (RNP 1.00)	319.40 / 12.06	3300

NOTES, (CONT.):
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE AT LOESS : MAX 210 KIAS.
CHART PLANVIEW NOTE AT TBOBB : MAX 210 KIAS.
CHART PLANVIEW NOTE AT BRIKK : MAX 210 KIAS.
CHART PLANVIEW NOTE AT GEEZR : MAX 210 KIAS.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO GEEZR IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO BAARK IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO BRIKK IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO HILSS IF: RF REQUIRED.
CHART PLANVIEW NOTE AT MANWA: (RNP 0.30).

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 984 THRE: 980	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 32L, 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:

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.

CHART PLANVIEW NOTE AT GEEZR: (RNP 0.30).
CHART PLANVIEW NOTE AT BAARK: (RNP 0.30).
CHART PLANVIEW NOTE AT BRIKK: (RNP 0.30).
CHART PLANVIEW NOTE AT HILSS: (RNP 0.30).
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 980	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 32L, 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:

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
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BAARK K30    W     N41080861W095534331                    E0030     NAR           BAARK
        SUSAEAENRT   BOCTA K30    C     N41112360W095471898                    E0029     NAR           BOCTA
        SUSAEAENRT   BRIKK K30    W     N41202897W095473893                    E0029     NAR           BRIKK
        SUSAEAENRT   CFBQG K30    W     N41163457W095480501                    E0029     NAR           CNF(CFBQG)
        SUSAEAENRT   CFBQH K30    W     N41134066W095532724                    E0030     NAR           CNF(CFBQH)
        SUSAEAENRT   DWITT K30    W     N41112598W095544350                    E0030     NAR           DWITT
        SUSAEAENRT   GEEZR K30    C     N41123915W095583036                    E0031     NAR           GEEZR
        SUSAEAENRT   HILSS K30    W     N41180533W095394829                    E0028     NAR           HILSS
        SUSAEAENRT   JITIG K30    W     N41140925W095495576                    E0030     NAR           JITIG
        SUSAEAENRT   LOESS K30    W     N41155823W095433011                    E0029     NAR           LOESS
        SUSAEAENRT   MANWA K30    W     N41050370W095411965                    E0029     NAR           MANWA
        SUSAEAENRT   MVRIK K30    W     N41180334W095452064                    E0029     NAR           MVRIK
        SUSAEAENRT   OTSEE K30    C     N41272200W096022977                    E0031     NAR           OTSEE
        SUSAEAENRT   PEGGG K30    W     N41143196W095460487                    E0029     NAR           PEGGG
        SUSAEAENRT   SAGTE K30    W     N41143030W095500212                    E0030     NAR           SAGTE
        SUSAEAENRT   TBOBB K30    W     N41123123W095503643                    E0030     NAR           TBOBB
        SUSAEAENRT   TREEE K30    W     N41150590W095504942                    E0030     NAR           TREEE
        SUSAEAENRT   WOLIR K30    W     N41143257W095502579                    E0030     NAR           WOLIR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOMAK3AOMA     0     095YHN41181140W095533860E005000984         1800018000C    MNAR    EPPLEY AIRFIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOMAK3FH32LZ ABAARK 010BAARKK3EA0E  B    IF                                  04000     18000                A FS
        SUSAP KOMAK3FH32LZ ABAARK 020TBOBBK3EA0E    010TF                                + 02800         210            A-FS
        SUSAP KOMAK3FH32LZ ABAARK 030WOLIRK3EA0E   L010RF       0024400233    33420021   + 02200                CFBQH K3EAA FS
        SUSAP KOMAK3FH32LZ ABAARK 040TREEEK3EA0EE  L031RF       0024403342    31940006   + 02000                CFBQH K3EAA FS
        SUSAP KOMAK3FH32LZ ABRIKK 010BRIKKK3EA0E  B    IF                                + 05000     18000210             A-FS
        SUSAP KOMAK3FH32LZ ABRIKK 020MVRIKK3EA0E    010TF                                + 04000                          A FS
        SUSAP KOMAK3FH32LZ ABRIKK 030PEGGGK3EA0E   R010RF       0025401394    22860040   + 03200                CFBQG K3EAA FS
        SUSAP KOMAK3FH32LZ ABRIKK 040SAGTEK3EA0E   R010RF       0025402286    30040032   + 02200                CFBQG K3EAA FS
        SUSAP KOMAK3FH32LZ ABRIKK 050TREEEK3EA0EE  R031RF       0025403004    31940008   + 02000                CFBQG K3EAA FS
        SUSAP KOMAK3FH32LZ AGEEZR 010GEEZRK3EA0E  B    IF                                  05000     18000210             A-FS
        SUSAP KOMAK3FH32LZ AGEEZR 020DWITTK3EA0E    010TF                                + 04000                          A FS
        SUSAP KOMAK3FH32LZ AGEEZR 030TBOBBK3EA0E   L010RF       0024401081    02330036   + 02800         210    CFBQH K3EAA-FS
        SUSAP KOMAK3FH32LZ AGEEZR 040WOLIRK3EA0E   L010RF       0024400233    33420021   + 02200                CFBQH K3EAA FS
        SUSAP KOMAK3FH32LZ AGEEZR 050TREEEK3EA0EE  L031RF       0024403342    31940006   + 02000                CFBQH K3EAA FS
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 980	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 32L, 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:

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 KOMAK3FH32LZ AHILSS 010HILSSK3EA0E  B    IF                                    - 05000     18000                A FS
SUSAP KOMAK3FH32LZ AHILSS 020LOESSK3EA0E    010TF                                     04000          210             A-FS
SUSAP KOMAK3FH32LZ AHILSS 030PEGGGK3EA0E    010TF                                   + 03200                            A FS
SUSAP KOMAK3FH32LZ AHILSS 040SAGTEK3EA0E   R010RF       0025402286    30040032     + 02200                 CFBQG K3EAA FS
SUSAP KOMAK3FH32LZ AHILSS 050TREEEK3EA0EE  R031RF       0025403004    31940008     + 02000                 CFBQG K3EAA FS
SUSAP KOMAK3FH32LZ AMANWA 010MANWAK3EA0E  A    IF                                     05000     18000                A FS
SUSAP KOMAK3FH32LZ AMANWA 020BOCTAK3EA0E  B 010TF                                   + 03100                            A FS
SUSAP KOMAK3FH32LZ AMANWA 030JITIGK3EA0E    010TF                                   + 02200                            A FS
SUSAP KOMAK3FH32LZ AMANWA 040TREEEK3EA0EE   031TF                                   + 02000                            A FS
SUSAP KOMAK3FH32LZ H      020TREEEK3EA1E  F    IF                                   + 02000     18000       RW32L K3PGA FS
SUSAP KOMAK3FH32LZ H      020TREEEK3EA2W                                                A031A152                        FS
SUSAP KOMAK3FH32LZ H      030RW32LK3PG0GY M 031TF                                     01037             -300           A FS
SUSAP KOMAK3FH32LZ H      040OTSEEK3EA0EYM  010TF                                   + 03300                            A FS
SUSAP KOMAK3FH32LZ H      050OTSEEK3EA0EE  R   HM                      13930040     + 03300                            A FS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOMAK3GRW32L   0095023194 N41173350W095530942+0000    +027110098000005115 0IIENF1
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOMAK3SRW32LK3PG                0   18018004125                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 980	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 32L, 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**

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
	BAARK	BAARK	010		IF		FB				AT 04000	
	BAARK	TBOBB	020		TF		FB	1.0			AA 02800	AB 210
	BAARK	WOLIR	030		RF	L	FB	1.0		002.1	AA 02200	
	BAARK	TREEE	040		RF	L	FB	0.3		000.6	AA 02000	
	BRIKK	BRIKK	010		IF		FB				AA 05000	AB 210
	BRIKK	MVRIK	020		TF		FB	1.0			AA 04000	
	BRIKK	PEGGG	030		RF	R	FB	1.0		004.0	AA 03200	
	BRIKK	SAGTE	040		RF	R	FB	1.0		003.2	AA 02200	
	BRIKK	TREEE	050		RF	R	FB	0.3		000.8	AA 02000	
	GEEZR	GEEZR	010		IF		FB				AT 05000	AB 210
	GEEZR	DWITT	020		TF		FB	1.0			AA 04000	
	GEEZR	TBOBB	030		RF	L	FB	1.0		003.6	AA 02800	AB 210
	GEEZR	WOLIR	040		RF	L	FB	1.0		002.1	AA 02200	
	GEEZR	TREEE	050		RF	L	FB	0.3		000.6	AA 02000	
	HILSS	HILSS	010		IF		FB				AB 05000	
	HILSS	LOESS	020		TF		FB	1.0			AT 04000	AB 210
	HILSS	PEGGG	030		TF		FB	1.0			AA 03200	
	HILSS	SAGTE	040		RF	R	FB	1.0		003.2	AA 02200	
	HILSS	TREEE	050		RF	R	FB	0.3		000.8	AA 02000	
	MANWA	MANWA	010	IAF	IF		FB				AT 05000	
	MANWA	BOCTA	020		TF		FB	1.0			AA 03100	
	MANWA	JITIG	030		TF		FB	1.0			AA 02200	
	MANWA	TREEE	040		TF		FB	0.3			AA 02000	
		TREEE	020	FAF	IF		FB				AA 02000	
		RW32L	030	MAP	TF		FO	0.3			AT 01037	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	OTSEE	040		TF		FO	1.0			AA 03300	
	OTSEE	050		HM	R	FO		139.3(144.3T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BAARK	N410808.61	W0955343.31	N4108.144	W09553.722
	BOCTA	N411123.60	W0954718.98	N4111.393	W09547.316
	BRIKK	N412028.97	W0954738.93	N4120.483	W09547.649
	CFBQG	N411634.57	W0954805.01	N4116.576	W09548.084
	CFBQH	N411340.66	W0955327.24	N4113.678	W09553.454
	DWITT	N411125.98	W0955443.50	N4111.433	W09554.725
	GEEZR	N411239.15	W0955830.36	N4112.653	W09558.506
	HILSS	N411805.33	W0953948.29	N4118.089	W09539.805
	JITIG	N411409.25	W0954955.76	N4114.154	W09549.929

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 984	THRE: 980	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD		RNAV	RNAV (RNP) Z RWY 32L, 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:

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.

LOESS	N411558.23	W0954330.11	N4115.971	W09543.502
MANWA	N410503.70	W0954119.65	N4105.062	W09541.328
MVRIK	N411803.34	W0954520.64	N4118.056	W09545.344
OTSEE	N412722.00	W0960229.77	N4127.367	W09602.496
PEGGG	N411431.96	W0954604.87	N4114.533	W09546.081
SAGTE	N411430.30	W0955002.12	N4114.505	W09550.035
TBOBB	N411231.23	W0955036.43	N4112.521	W09550.607
TREEE	N411505.90	W0955049.42	N4115.098	W09550.824
WOLIR	N411432.57	W0955025.79	N4114.543	W09550.430
RW32L	N411733.50	W0955309.42	N4117.558	W09553.157

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW32L	00980	51

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 984 THRE: 980	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 32L, 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.
INITIAL	MANWA	BOCTA	1. AAO	410800.00N/0954624.00W	1523 (4E)	1000	AC98 AT479	3100
(RNP 1.00)			2. TERRAIN	410815.00N/0954630.00W	1323 (1300)		AS1500	2800
INTERMEDIATE	BOCTA	JITIG	3. STACK (19-002538)	411053.50N/0955009.20W	1532 (5D)	500	AC50	2100
(RNP 1.00)			4. TERRAIN	411409.00N/0954639.00W	1214 (1200)		AS1000	2200
INTERMEDIATE: STEPDOWN	JITIG	TREEE	5. AAO	411508.15N/0955009.12W	1479 (2C)	500	AC20	2000
(RNP 0.30)			6. TERRAIN	411515.00N/0955012.00W	1247 (1200)		AS0	1200
INTERMEDIATE	GEEZR	DWITT	7. TOWER (31-001088)	411330.00N/0955712.00W	1621 (5D)	500	AC50 AT1829	4000
(RNP 1.00)			8. TERRAIN	411215.00N/0955824.00W	1234 (1200)		AS1000	2200
INTERMEDIATE: STEPDOWN	DWITT	TBOBB	3. STACK (19-002538)	411053.50N/0955009.20W	1532 (5D)	500	AC50 AT718	2800
(RNP 1.00)			9. TERRAIN	410954.00N/0955357.00W	1234 (1200)		AS1000	2200
INTERMEDIATE	BAARK	TBOBB	3. STACK (19-002538)	411053.50N/0955009.20W	1532 (5D)	500	AC50 AT718	2800
(RNP 1.00)			9. TERRAIN	410954.00N/0955357.00W	1234 (1200)		AS1000	2200
INTERMEDIATE: STEPDOWN	TBOBB	WOLIR	3. STACK (19-002538)	411053.50N/0955009.20W	1532 (5D)	500	AC50	2100
(RNP 1.00)			10. TERRAIN	411439.00N/0954745.00W	1208 (1200)		AS1000	2200

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: RW32L

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (19-000450)	079/ 28.6	2836 (5D)	4100					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OMAHA, NE	ELEVATION: 984 AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 32L, ORIG	ACE

QUALITY CHECKED - 1

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZMP ARTCC OMA APP CON OMA TOWER		N W S	OTHER: ASOS	SOURCE: KOMA
		F A A		DISTANCE:
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION: 24
X V H F X U H F H F	LOCATION: KOMA			ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3
5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 14R, 32R
		(S) SALS
	X	MALSR 14L, 18, 36, 32L
	X	HIRL 14L, 18, 14R, 36, 32R, 32L
		MIRL
		REIL
	X	TDZ 14R, 32R
	X	C/L 14L, 14R, 32R, 32L
	X	OTHER (SPECIFY) PAPI-4R 32R, 32L PAPI-4L 14L, 18, 14R, 36
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 14L, 18, 14R, 36, 32R, 32L
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	14L, 18, 14R, 32R, 32L
	MIDFIELD	14L, 18, 14R, 32R, 32L
	ROLL OUT	14L, 14R, 32R, 32L
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 980.2
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 57.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: 2

ORDER 8260.52, PARAGRAPH 2.4; TABLE 2-1 INTERMEDIATE SEGMENT DESCENT GRADIENT EXCEEDS 318 FT/NM.
ORDER 8260.54A, PARAGRAPH 2.5.3; BANK ANGLE EXCEEDS 20 DEGREES (REFERENCE AFS-400 MEMO DATED 10/3/2011).

PART D - PREPARED BY: DONALD H. LANIER	DATE: 04/28/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

MAX SPEED TBOBB TO WOLIR - 210 KIAS.
VDP NOT ESTABLISHED - RNP PROCEDURE.
PARA 251, 20:1 PENETRATION.
PARA 251, 34:1 PENETRATION.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VGSI DATA: 3.00/51.0
WAIVER: FAAO 8260.52 PARA 2.4 TABLE 2-1 INTERMEDIATE SEGMENT DESCENT GRADIENT EXCEEDS 318 FT/NM.
WAIVER: FAAO 8260.54A PARA 2.5.3 BANK ANGLE EXCEEDS 20 DEGREES (REFERENCE AFS-400 MEMO DATED 10/3/2011).
SEE ATTACHED AIRSPACE LETTER.
MAX SPEED DWITT TO TBOBB - 210 KIAS.
MAX SPEED TBOBB TO WOLIR - 210 KIAS.
MAX SPEED WOLIR TO TREEE - 210 KIAS.
MAX SPEED MVRIK TO PEGGG - 210 KIAS.
MAX SPEED PEGGG TO SAGTE - 210 KIAS.
MAX SPEED SAGTE TO TREEE - 210 KIAS.
57' TCH USED TO MITIGATE GQS PENETRATION.
AUTHORIZATION REQUIRED. FAAO 8260.52 CRITERIA APPLIED.
MISSED APPROACH: FAAO 8260.52, PARA 4.2 CRITERIA APPLIED.
HIGH TEMPERATURE LIMIT VALUE DERIVED FROM AFS 400 CALCULATOR.
BARO-VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2006-2010). ACT: -24.
DELTA ISA (LOW) ADJUSTED TO INCREASE EFFECTIVE GLIDEPATH ANGLE IAW 8260.52 PARA 3.2.1 FORMULAS 3-4 AND 3-5. DELTA ISA (LOW): -30.09 (-22.16).
VEB ROC (0.30 HIGHER VALUE) APPLIED/USED.
BACK-UP ALTIMETER NOT PUBLISHED-REDUNDANT SOURCES ON. AIRPORT.
RNP 0.30 AND 0.50 VALUES USED ON SOME INTERMEDIATE SEGMENTS FOR TERRAIN AVOIDANCE/AIRSPACE/ATC REQUESTED ALTITUDE & TRACKS.
MULTIPLE INTERMEDIATE SEGMENTS DEVELOPED PER ATC REQUEST.
ORDER 8260.3, VOLUME 1 "VISUAL PORTION OF FINAL" PENETRATIONS: (FPT NOTIFIED OF 20:1):
20:1 998 ANT (KOMAL176) (2C) 411724.39N/0955304.87W (2.72)
80:1 PENETRATIONS:
998 ANT (KOMAL176) (2C) 411724.39N/0955304.87W (26.42)
996 BLDG (31-000721) (1A) 411725.00N/0955305.00W (7.86)
990 OL ON LOC (KOMA0029) (1A) 411725.69N/0955302.00W (.90)
(31-000721 AND KOMA0029 FIX BY FUNCTION)
VISUAL SEGMENT OIS (APPROVAL LETTER):
998 ANT (KOMAL176) (2C) 411724.39N/0955304.87W (6.32)

QUALITY CHECKED 1

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.
INTERMEDIATE: STEPDOWN	WOLIR	TREEE	5. AAO	411508.15N/0955009.12W	1479 (2C)	500	AC20	2000
(RNP 0.30)			6. TERRAIN	411515.00N/0955012.00W	1247 (1200)		AS0	1200
INTERMEDIATE	HILSS	LOESS	11. TOWER (19-000865)	411954.00N/0953959.00W	1586 (5D)	500	AC50 AT1864	4000
(RNP 1.00)			12. TERRAIN	411839.00N/0954300.00W	1310 (1300)		AS1000	2300
INTERMEDIATE: STEPDOWN	LOESS	PEGGG	13. AAO	411703.00N/0954318.00W	1503 (4E)	500	AC98 AT1099	3200
(RNP 1.00)			14. TERRAIN	411451.00N/0954300.00W	1293 (1300)		AS1000	2300
INTERMEDIATE	BRIKK	MVRIK	15. AAO	411945.90N/0955003.70W	1570 (2C)	500	AC20 AT1910	4000
(RNP 1.00)			16. TERRAIN	411945.90N/0955003.70W	1370 (1400)		AS1000	2400
INTERMEDIATE: STEPDOWN	MVRIK	PEGGG	17. AAO	411839.00N/0954300.00W	1510 (4E)	500	AC98 AT1092	3200
(RNP 1.00)			12. TERRAIN	411839.00N/0954300.00W	1310 (1300)		AS1000	2300
INTERMEDIATE: STEPDOWN	PEGGG	SAGTE	18. AAO	411518.00N/0954954.00W	1464 (4E)	500	AC98	2100
(RNP 1.00)			19. TERRAIN	411427.00N/0954615.00W	1221 (1200)		AS1000	2200
INTERMEDIATE: STEPDOWN	SAGTE	TREEE	5. AAO	411508.15N/0955009.12W	1479 (2C)	500	AC20	2000
(RNP 0.30)			6. TERRAIN	411515.00N/0955012.00W	1247 (1200)		AS0	1200
FINAL: RNP 0.15	TREEE	RW32L	20. TREE (KOMAL183)	411659.80N/0955302.34W	1084 (2C)	21.74:1	AC20 MA37	1358/378

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OMAHA, NE	EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 32L, ORIG	ACE

PART B - SUPPLEMENTAL DATA

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

RF SEGMENT RADIUS/BANK ANGLE COMPUTATIONS:

SEGMENT	ALT	KIAS	KTAS	HAA	*VKTW	TR	BA
SAGTE-TREEE	2210	210	219.28	1215.7	30	2.54	19.64
PEGGG-SAGTE	3200	210	223.44	2215.7	52	2.54	23.55
MVRIK-PEGGG	4000	210	226.80	3015.7	51	2.54	23.91
WOLIR-TREEE	2200	210	219.24	1215.7	30	2.44	20.38
TBOBB-WOLIR	2800	210	221.76	1815.7	30	2.44	20.76
DWITT-TBOBB	4000	210	226.80	3015.7	51	2.44	24.77

*VKTW WINDS FROM 99% MITRE AND 8260.54A FORMULA 2-3B.

QUALITY CHECKED 1

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 0.30	TREEE	RW32L	21. TREE (KOMAL188)	411632.83N/0955113.14W	1250 (2C)	21.71:1	AC20 MA55	1623/643
MISSED APPROACH	DA	RW32L	22. TREE (KOMAL256)	411700.39N/0955220.91W	1078 (2C)	ASC	AC20	
(RNP 0.15-1.00)		40:1						
MISSED APPROACH	DA	RW32L	21. TREE (KOMAL188)	411632.83N/0955113.14W	1250 (2C)	ASC	AC20	
(RNP 0.30-1.00)		40:1						
MISSED APPROACH	RW32L	OTSEE				ASC		
(RNP 0.15-1.00)		40:1						
MISSED APPROACH	RW32L	OTSEE				ASC		
(RNP 0.30-1.00)		40:1						
3. MISSED APPROACH MAP:	DA / DA	OTSEE				ASC		3300
			23. TOWER (31-000587)	412339.00N/0955833.00W	1807 (1A)	1000	AC3	2900
ELEV:	1093/1274		24. TERRAIN	412518.00N/0960303.00W	1336 (1300)		AS 1000	2300

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

QUALITY CHECK

CITY AND STATE	ELEVATION: 984 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OMAHA, NE	EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 32L, ORIG	ACE

PART B - SUPPLEMENTAL DATA

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

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BAARK **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 410808.61N/0955343.31W **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 32L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 32R			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 36			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BOCTA **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411123.60N/0954718.98W **TYPE:** WP, INT, DME

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	OMAHA	I-ENF	LOC/DME		139.40	144.40	9.32	9.32		2900	5400
2	OMAHA	OVR	VORTAC	H	292.18	300.18		2.71		2900	5400

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
OMAHA (FAC 1) AND OMAHA (FAC 2) USED TO ESTABLISH FIX COORDINATES
LEAST DIVERGENCE ANGLE LESS THAN 30: APPLIED 8260.3B VOLUME 1, PARAGRAPH 287A.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 32L	1, 2		KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 32L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED WP TO FIX MAKEUP.
UPDATED FIX USE.
ADDED FAC 1 MAG/TRUE BRG 139.40/144.40.
CHANGED FAC 2 MAG BRG/TRUE BRG FROM 292.00/300.00 TO 292.18/300.18.

DEVELOPED BY: **DATE:** 06/10/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRIKK **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412028.97N/0954738.93W **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 32L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 32R			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBQG **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411634.57N/0954805.01W **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 32L			KOMA	OMAHA	NE (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBQH **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411340.66N/0955327.24W **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 32L			KOMA	OMAHA	NE (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DWITT **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411125.98N/0955443.50W **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 32L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: GEEZR **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 411239.15N/0955830.36W **TYPE:** WP, INT, DME

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	OMAHA	OVR	VORTAC	H	275.73	283.73	11.11	11.11		4000	17500
2	LINCOLN	LNK	VORTAC	H	054.43	063.43		38.83		4000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
OMAHA (FAC 1) AND LINCOLN (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 32L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 32R			KOMA	OMAHA	NE (US)
STAR	HOWRY	1, 2		KOFF	OMAHA	NE (US)
STAR	HOWRY	1, 2		KOMA	OMAHA	NE (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FIX USE.
ADDED FAC 1 DIST FROM FAC 11.11 NM.
ADDED FAC 2 DIST FROM FAC 38.83 NM.
UPDATED FAC 1 & 2 MRA FROM 3700 TO 4000.
ADDED WAYPOINT TO FIX TYPE.
ADDED STAR TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 06/27/2011 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HILSS **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411805.33N/0953948.29W **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 32L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 32R			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JITIG **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411409.25N/0954955.76W **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 32L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LOESS **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411558.23N/0954330.11W **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 32L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 32R			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 36			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MANWA **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 410503.70N/0954119.65W **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 32L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 32R			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 36			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MVRIK **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411803.34N/0954520.64W **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 32L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OTSEE **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412722.00N/0960229.77W **TYPE:** WP, RADAR, DME

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	OMAHA	I-OMA	LOC		321.39	324.39		12.22		3000	5400
2	OMAHA	OVR	VORTAC	H			22.14	22.14		3000	5400

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	NW		WP	319.30	139.30	R		4	3300	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (31-000153)	412850.00N/0960843.00W	1679	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
OMAHA (FAC 2) AND OMAHA (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 14R	1, 2		KOMA	OMAHA	NE (US)
IAP	ILS RWY 14R (CAT II)	1, 2		KOMA	OMAHA	NE (US)
IAP	ILS RWY 14R (CAT III)	1, 2		KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 14R		1	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 32L		1	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 32R		1	KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14R			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 32L		1	KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 32R		1	KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED HOLDING PAT 1 CONTROLLING OBSTRUCTION.

DEVELOPED BY: **DATE:** 06/09/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PEGGG **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411431.96N/0954604.87W **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 32L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: SAGTE **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411430.30N/0955002.12W **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 32L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TBOBB **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411231.23N/0955036.43W **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 32L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TREEE **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411505.90N/0955049.42W **TYPE:** WP

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

REMARKS:
8260.54A FORMULA 2-16B RNP PFAF LOCATION

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 32L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOLIR **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411432.57N/0955025.79W **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 32L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/27/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: OMA APP CON, OMA ATCT
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **OMAHA** STATE: **NE**

AIRPORT NAME: **EPPLEY AIRFIELD** ID: **KOMA**

PROCEDURE: **RNAV (RNP) Z RWY 32L** AMDT: **ORIG**

DOCKET#:
(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 **3.65**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **INTERMEDIATE** segment containing 1000' point **SEE REMARKS**
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **1247**
5. Distance from **THLD** to 1500' point **5.22**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **SEE REMARKS**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1208**
9. Threshold Coordinates (if straight-in) ... **411733.50N** / **0955309.42W**
10. ARP Coordinates ..... **411811.40N** / **0955338.60W**
11. Runway Approach End and distance furthest from ARP ..... RWY **14R**
    Distance **0.84** NM
12. FAF Coordinates ..... **411505.90N** / **0955049.42W**

REMARKS: Approach/Drawing attached.

1000' PT (411432.66N/0955025.83W) IN RF SEGMENT WOLIR (411432.57N/0955025.79W) TO TREEE (411505.90N/0955049.42W).
1500' PT (411252.78N/0955023.89W) IN RF SEGMENT TBOBB (411231.23N/0955036.43W) TO WOLIR (411432.57N/0955025.79W).
RF CTR PT CFBQH (411340.66N/0955327.24W). ARC RADIUS 2.44NM. THIS IS AIRSPACE FORM 3 OF 3.

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **OMAHA** STATE: **NE**

AIRPORT NAME: **EPPLEY AIRFIELD** ID: **KOMA**

PROCEDURE: **RNAV (RNP) Z RWY 32L** AMDT: **ORIG**

DOCKET#:
(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 **3.65**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **INTERMEDIATE** segment containing 1000' point **SEE REMARKS**
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **1247**
5. Distance from **THLD** to 1500' point **5.22**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **SEE REMARKS**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1221**
9. Threshold Coordinates (if straight-in) ... **411733.50N** / **0955309.42W**
10. ARP Coordinates ..... **411811.40N** / **0955338.60W**
11. Runway Approach End and distance furthest from ARP ..... RWY **14R**
    Distance **0.84** NM
12. FAF Coordinates ..... **411505.90N** / **0955049.42W**

REMARKS: Approach/Drawing attached.
1000' PT (411438.17N/0955015.55W) IN RF SEGMENT SAGTE (411430.30N/0955002.12W) TO TREEE (411505.90N/0955049.42W).
1500' PT (411402.63N/0954822.05W) IN RF SEGMENT PEGGG (411431.96N/0954604.87W) TO SAGTE (411430.30N/0955002.12W).
RF CTR PT CFBQG (411634.57N/0954805.01W). ARC RADIUS 2.54NM. THIS IS AIRSPACE FORM 2 OF 3.

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **OMAHA** STATE: **NE**

AIRPORT NAME: **EPPLEY AIRFIELD** ID: **KOMA**

PROCEDURE: **RNAV (RNP) Z RWY 32L** AMDT: **ORIG**

DOCKET#:
(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 **3.65**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **INTERMEDIATE** segment containing 1000' point **324.44**
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **1247**
5. Distance from **THLD** to 1500' point **5.22**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **324.46**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1214**
9. Threshold Coordinates (if straight-in) ... **411733.50N** / **0955309.42W**
10. ARP Coordinates ..... **411811.40N** / **0955338.60W**
11. Runway Approach End and distance furthest from ARP ..... RWY **14R**
    Distance **0.84** NM
12. FAF Coordinates ..... **411505.90N** / **0955049.42W**

REMARKS: Approach/Drawing attached.
1000' PT (411435.14N/0955020.27W) IN TF SEGMENT JITIG (411409.25N/0954955.76W) TO TREEE (411505.90N/0955049.42W) .
1500' PT (411318.46N/0954907.66W) IN TF SEGMENT BOCTA (411123.60N/0954718.98W) TO JITIG (411409.25N/0954955.76W).
THIS IS AIRSPACE SHEET 1 OF 3.

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:

OMAHA, NE (OMA)
EPPLEY AIRFIELD
RNAV (RNP) Z RWY 32L, ORIG

2. Waiver Required and Applicable Standard:

INTERMEDIATE SEGMENT WAIVER REQUIRED TO 8260.52 PARA 2.4 & TABLE 2-1. RULE: INTERMEDIATE SEGMENT DESCENT GRADIENT SHALL NOT EXCEED MAXIMUM ALLOWABLE.

3. Reason for Waiver *(Justification for nonstandard treatment)*:

DESCENT GRADIENT IN INTERMEDIATE SEGMENT GREATER THAN THE MAXIMUM ALLOWED. WITHIN A ROUTE CONTAINING MULTIPLE INTERMEDIATE SEGMENTS, ONE SEGMENT EXCEEDS 318 FT/NM. MAXIMUM DESCENT GRADIENT 333 FT/NM.
ALTITUDES IN SEGMENTS CAUSING EXCESSIVE DESCENT GRADIENTS ARE AT USER/ATC REQUEST.

4. Equivalent Level of Safety Provided:

1. AUTHORIZATION REQUIRED FOR THIS PROCEDURE.
2. DESCENT OF COMBINED INTERMEDIATE SEGMENTS ALONG ROUTE FROM THE BEGINNING ALTITUDE TO THE PFAF ALTITUDE IS LESS THAN 318 FT/NM COMBINED.

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-35	**Manager, Terminal Products Group**	**GregoryYamamoto**

FAA FORM 8260 - 1 / July2003 (computer generated)

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:		
Date:	Routing Symbol:	Signature:

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:

OMAHA, NE (OMA)
EPPLEY AIRFIELD
RNAV (RNP) Z RWY 32L, ORIG

2. Waiver Required and Applicable Standard:

INTERMEDIATE RF SEGMENT WAIVER REQUIRED TO AFS-400 MEMORANDUM DATED OCT 3, 2011, 1.B. RF RULE: CALCULATED RF BANK ANGLE BASED ON THE DESIGN RADIUS NOT TO EXCEED 25 DEGREES (20 DEGREES FOR RNP/ATT VALUES LESS THAN 1.0).

3. Reason for Waiver *(Justification for nonstandard treatment)*:

BANK ANGLES IN EXCESS OF 20 DEGREES IN INTERMEDIATE SEGMENTS WITH RNP VALUES LESS THAN 1.0 USED IN PROCEDURE DEVELOPMENT TO AVOID OBSTACLES OR TERRAIN AND TO KEEP ATC/USER REQUESTED TRACKS:
SEGMENT PEGGG TO SAGTE 23.55 DEGREES.
SEGMENT MVRIK TO PEGGG 23.91 DEGREES.
SEGMENT WOLIR TO TREEE 20.38 DEGREES.
SEGMENT TBOBB TO WOLIR 20.76 DEGREES.
SEGMENT DWITT TO TBOBB 24.77 DEGREES.

4. Equivalent Level of Safety Provided:

1. PROCEDURE IS AUTHORIZATION REQUIRED (AR).
2. RF INTERMEDIATE SEGMENTS WERE SATISFACTORILY EVALUATED FOR OBSTACLES BASED ON AN RNP VALUE OF 1.00.

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-35	Manager, Terminal Products Group	Gregory Yamamoto

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:		
Date:	Routing Symbol:	Signature: