Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 07/17/2010	Task #: 2010071719948208001	Request #: 20100717199482
Procedure: RNAV (RNP) Z RWY 14 L ORIG		Airport ID: KOMA	Airport: EPPLEY AIRFIELD		Reimbursable #:
City: OMAHA	ST: NE	GPS #:		Estimated Chart Date: 09/20/2012	FICO #: 1073839
Fac ID:	Fac. Type: RNP		Specialist: DONALD LANIER		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	03/16/2012	06/26/2012	STEVEN SZUKALA	P1
QA:	06/26/2012	06/26/2012	STEVEN SZUKALA	
Liaison:	06/26/2012		K. Spurlin	WAIVER; APPROVAL REQUEST; P1 Pkg 3 of 6

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

OMAHA, NE; EPPLEY AIRFIELD (KOMA); RNAV (RNP) Z RWY 32L, ORIG; ENROUTE-YES; FC BY 7/24/12; PUB 9/20/12
ATTACHED FORMS: 8260-3, 8260-9, 8260-10
8260-2(S): AMUKY, ORIG; AULNR, ORIG; CFBQD, ORIG; CFBQF, ORIG; COBCA, ORIG; CRPET, ORIG; EFECU, ORIG; FRMNT, ORIG; GOHOX, ORIG; HCKEY, ORIG; IWEGN, ORIG; LICIS, REV 2; OMAHA (OVR) VORTAC, REV 18; RELPE, ORIG; SPYVE, ORIG; TWITT, ORIG; YEWSS, ORIG; ZITEK, ORIG;
CONTACT: JILL OLSON/STEVE BARNETT, AJV-353 LEADS, 405.954.0414/9307:

APP CRS	Rwy Hdg	8500
139°	DH/H	964
	Aprt Elev	964

For unpublished Baro VNAV, minimums NA below 17°C (-9°C or above 54°C (130°F)).
For temperatures below 15°C, minimum RNP 0.18 all Cats, visibility as 1 1/2.
RNP 0.30 all Cats, visibility as 1 1/2.
GPS required.

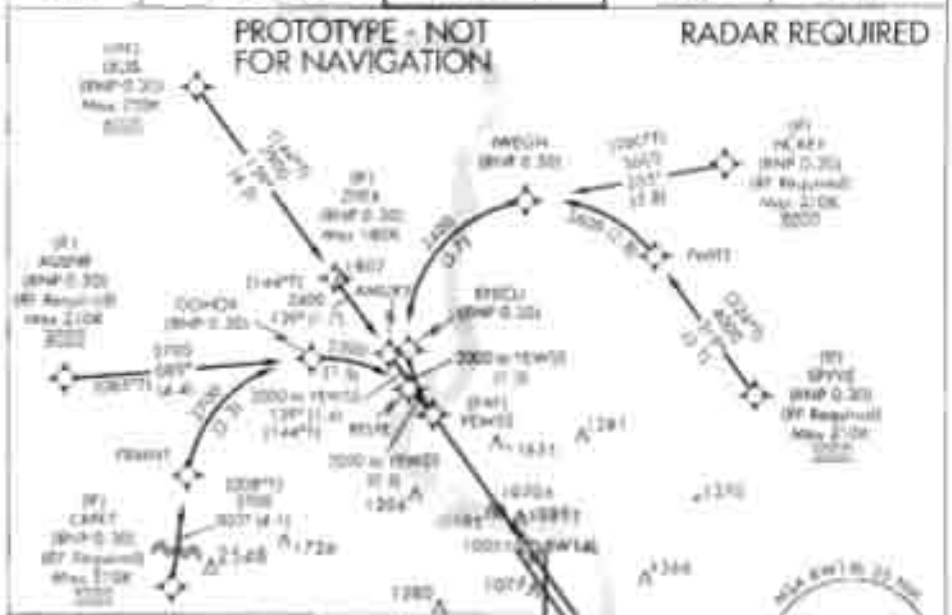
MALSR

MISSED APPROACH: Climb to 3000 on track 139° to COBCA and on track 128° to OVR. VORTAC and hold.

ATIS	Omaha APP CON	Omaha TOWER	GND CON	CLNC DEL
120.4	120.1 354.05	132.1 256.9	121.9	119.9

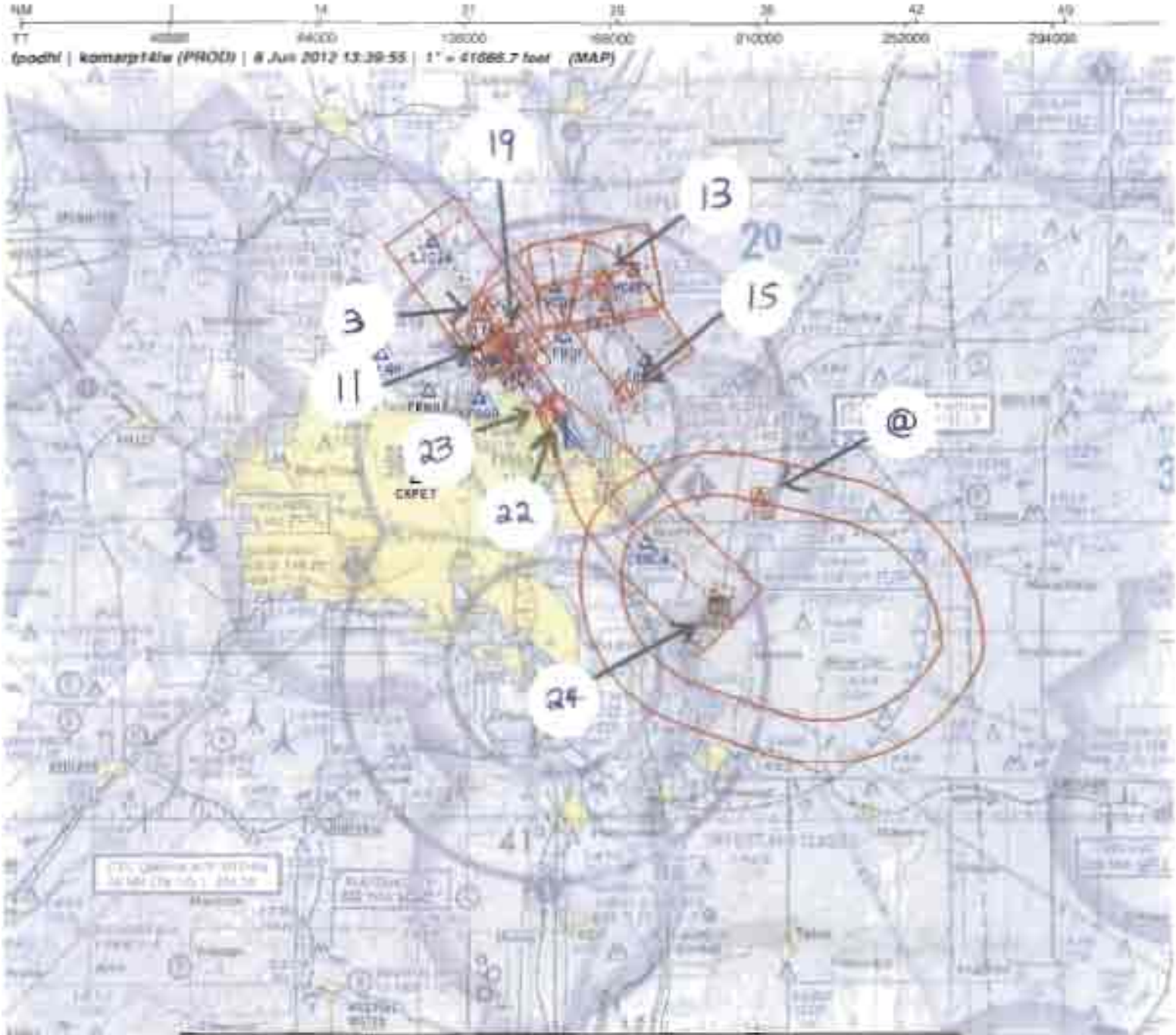
PROTOTYPE - NOT FOR NAVIGATION

RADAR REQUIRED



	DH/DA(H)	A	B	C	D
RNP 0.18 DA		1535/40	331 (400-½)		
RNP 0.30 DA		1395/45	411 (500-½)		

AUTHORIZATION REQUIRED



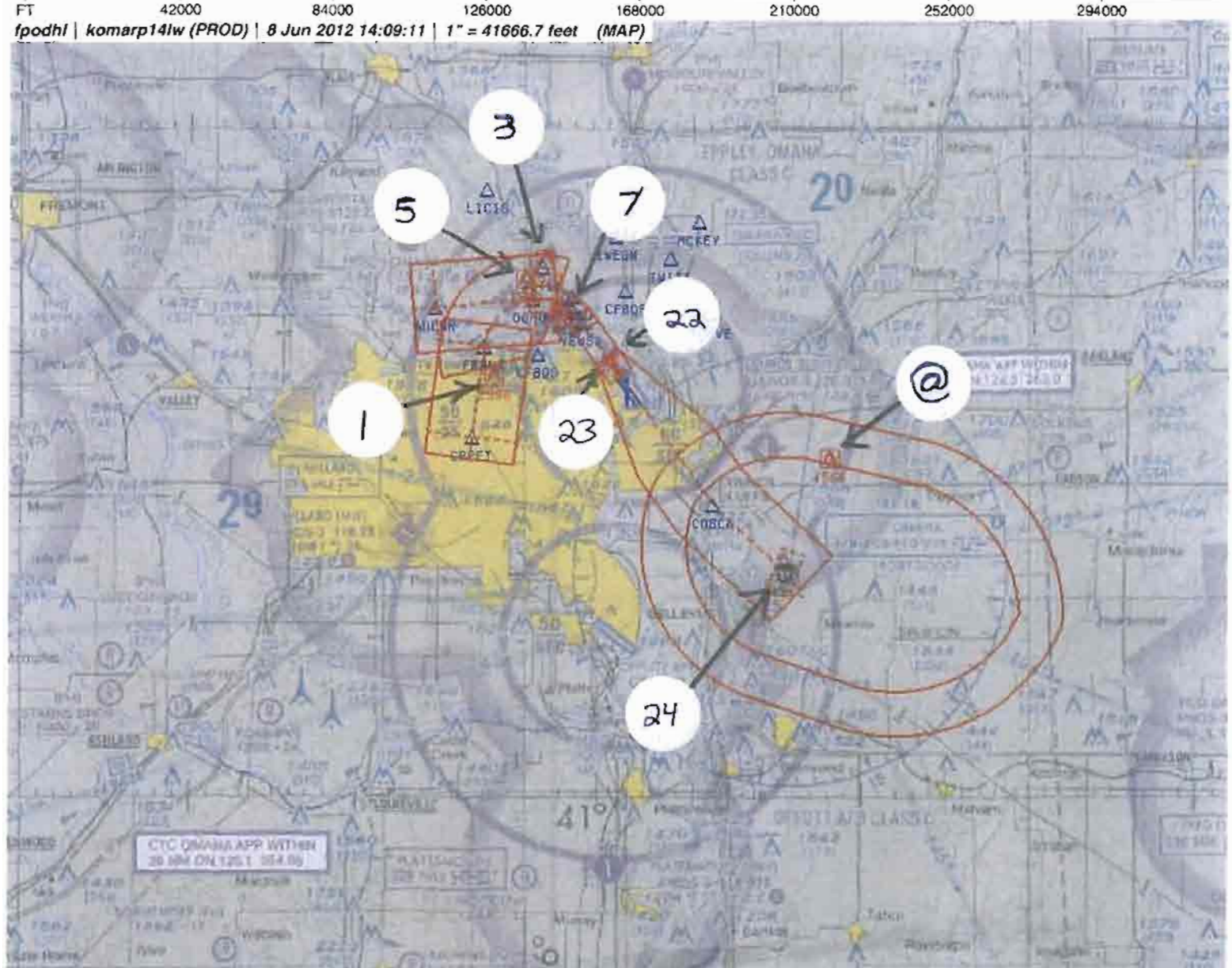
Airport ID:	KOMA
Apt Name:	EPPLEY FIELD
City:	OMAHA
State:	NE
Proc ID:	RNAV (RNP) Z RWY 14L
Amdt #	ORIG
Date:	4/20/2012
Scale:	1:500,000
	*NOTE: Obstacles on map include accuracy

No	SEGMENT	OBSTRUCTION	ELEV
3	~~INTER~~ LICIS-ZITEK INTER ZITEK-AMUKY INTER IWEGN-EFECU	TOWER	*1867
11	INTER AMUKY-YEWSS	AAO	*1439
15	INTER SPYVE-TWITT	AAO	*1570
13	INTER TWITT-IWEGN INTER HCKEY-IWEGN	AAO	*1483
19	INTER EFECU-YEWSS	TOWER	*1352
22	RNP .3 FINAL	TREE	1070
23	RNP .3 MA 40:1	TREE	1088
24	MA LEVEL SFC	AAO	1600
@	MA HOLDING	TOWER	1566

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodhl | komarp14lw (PROD) | 8 Jun 2012 14:09:11 | 1" = 41666.7 feet (MAP)



Airport ID:	KOMA
Apt Name:	EPPLEY FIELD
City:	OMAHA
State	NE
Proc ID.	RNAV (RNP) Z RWY 14L
Amdt #:	ORIG
Date:	4/20/2012
Scale:	1:500,000
	*NOTE: Obstacles on map include accuracy

No	SEGMENT	OBSTRUCTION	ELEV
3	~~INTER~~ initial LICIS-ZITEK INTER ZITEK-AMUKY INTER IWEGN-EFECU	TOWER	*1807
11	INTER AMUKY-YEWSS	AAO	*1439
15	INTER SPYVE-TWITT	AAO	*1570
13	INTER TWITT-IWEGN INTER HCKEY-IWEGN	AAO	*1483
19	INTER EFECU-YEWSS	TOWER	*1352
22	RNP .3 FINAL	TREE	1070
23	RNP .3 MA 40:1	TREE	1058
24	MA LEVEL SFC	AAO	1500
@	MA HOLDING	TOWER	1566

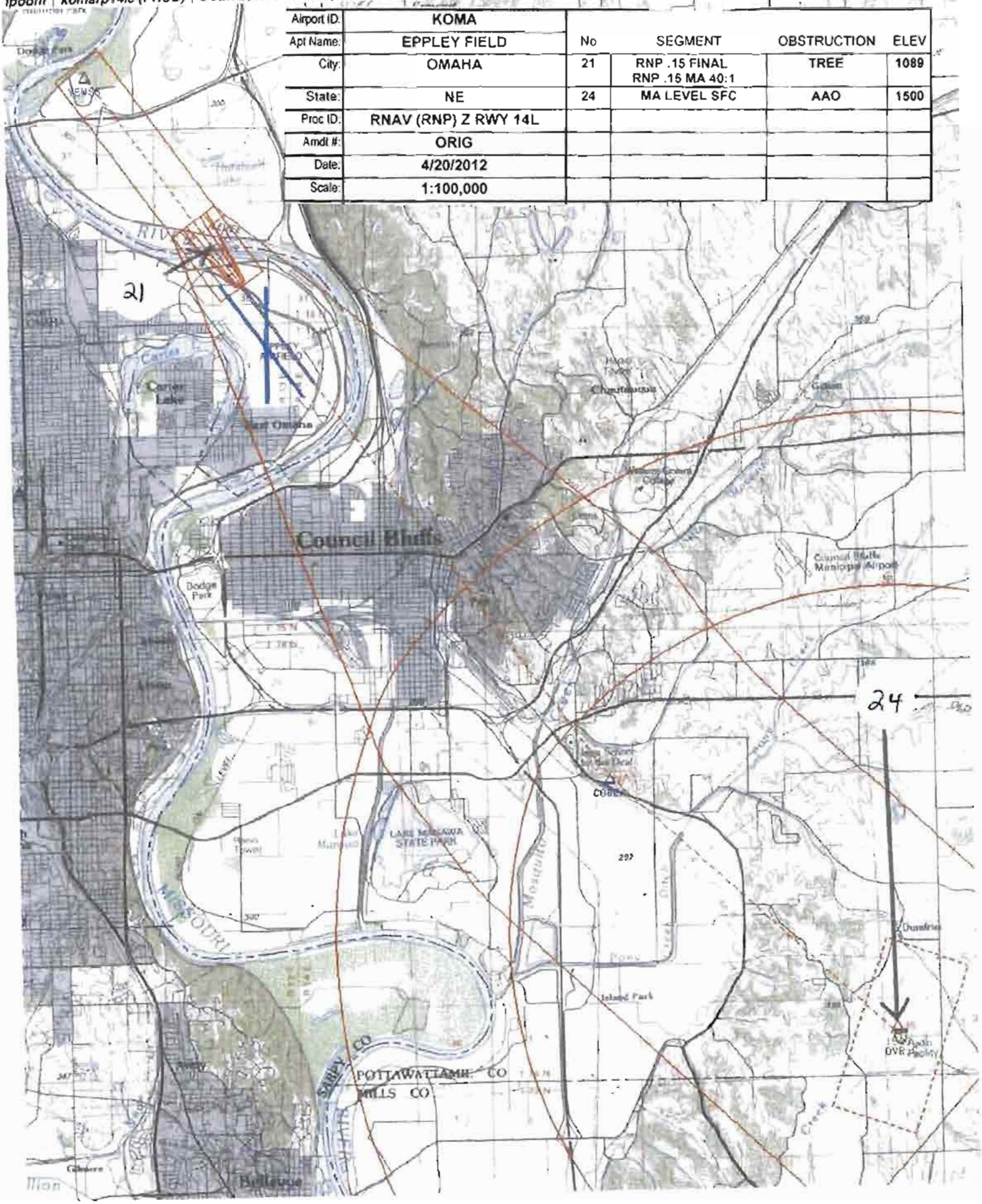
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodhl | komarp14lc (PROD) | 8 Jun 2012 14:31:54 | 1" = 8333.3 feet (MAP)

Airport ID:	KOMA
Apt Name:	EPPLEY FIELD
City:	OMAHA
State:	NE
Proc ID:	RNAV (RNP) Z RWY 14L
Amdt #:	ORIG
Date:	4/20/2012
Scale:	1:100,000

No	SEGMENT	OBSTRUCTION	ELEV
21	RNP .15 FINAL RNP .15 MA 40:1	TREE	1089
24	MA LEVEL SFC	AAO	1500



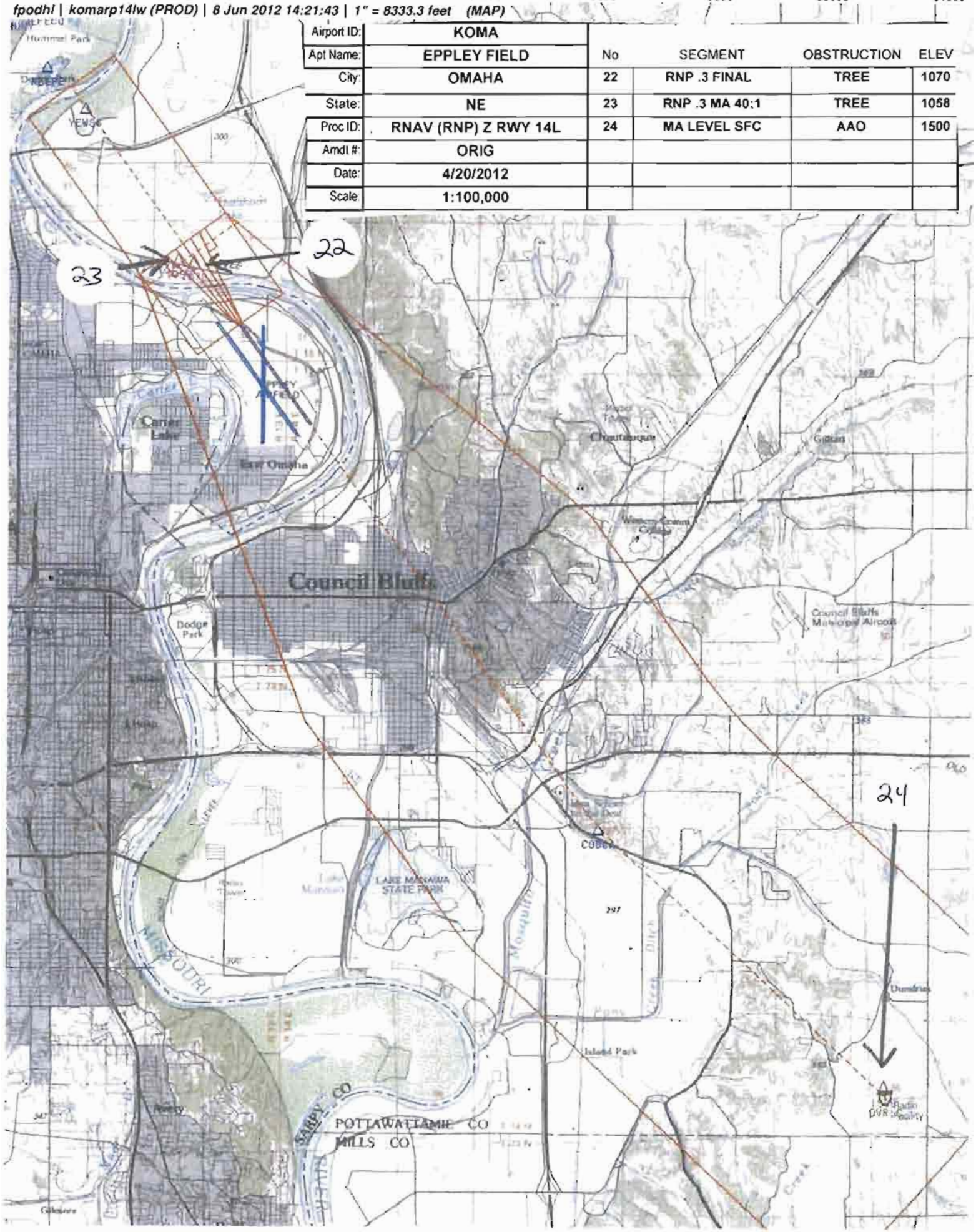
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodhl | komarp14lw (PROD) | 8 Jun 2012 14:21:43 | 1" = 8333.3 feet (MAP)

Airport ID:	KOMA
Apt Name:	EPPLEY FIELD
City:	OMAHA
State:	NE
Proc ID:	RNAV (RNP) Z RWY 14L
Amdt #:	ORIG
Date:	4/20/2012
Scale:	1:100,000

No	SEGMENT	OBSTRUCTION	ELEV
22	RNP .3 FINAL	TREE	1070
23	RNP .3 MA 40:1	TREE	1058
24	MA LEVEL SFC	AAO	1500



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
CRPET (IF)	FRMNT (TF) (FB) (RNP 1.00)	002.74 / 4.10	3700
FRMNT	GOHOX (RF) (FB) (RNP 1.00)	(2.44 NM RADIUS CW (CFBQD)) / 3.31	2700
AULNR (IF)	GOHOX (TF) (FB) (RNP 1.00)	080.33 / 4.42	2700
GOHOX	RELPE (RF) (FB) (RNP 0.30)	(2.44 NM RADIUS CW (CFBQD)) / 1.88	2200
RELPE	YEWSS (RF) (FB) (RNP 0.30)	(2.44 NM RADIUS CW (CFBQD)) / .63	2000
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 3000 ON TRACK 139.36 TO COBCA AND ON TRACK 127.62 TO OVR VORTAC AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT YEWSS
3. FAC: 139.36 FAF: ____ DIST FAF TO MAP: 3.02 THLD: ____
4. MIN. ALT: YEWSS 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: YEWSS 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.2# 34:1 IS NOT CLEAR
8. MSA FROM: RW14L 3800

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 284.00 INBOUND.
CHART FAS OBST: 1089 TREE 411920N/0955416W
CHART FAS OBST: 1070 TREE 411926N/0955443W
CHART 1058 TREE 411927N/0955457W
CHART 1005 NAVAID 411856N/0955413W
DISTANCE TO THLD FROM 351 HATH: 0.93 NM.
ROUTE TYPE: A, H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
CHART MAXIMUM 5000 AT HCKEY
CHART MINIMUM 4000 AT LICIS
CHART MANDATORY 5000 AT SPYVE
CHART MANDATORY 5000 AT CRPET
CHART MANDATORY 4000 AT AULNR
#TCH 1038 (DO NOT CHART)

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	1335	4000	351	1335	4000	351	1335	4000	351	1335	4000	351			
RNP 0.30 DA	1395	4500	411	1395	4500	411	1395	4500	411	1395	4500	411			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.15 ALL CATS VISIBILITY TO 1 1/8 AND RNP 0.30 ALL CATS VISIBILITY TO 1 3/8.
CHART NOTE: GPS REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 984	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, 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: **04/25/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. ORIG.

REASONS:

1. FPT REQUEST.

QUALITY CHECKED 1

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
LICIS (IAF)	ZITEK (TF) (FB) (RNP 1.00)	139.29 / 4.26	2900
ZITEK	AMUKY (TF) (FB) (RNP 0.80)	139.36 / 1.67	2400
AMUKY	YEWSS (TF) (FB) (RNP 0.30)	139.38 / 1.35	2000
HCKEY (IF)	IWEGN (TF) (FB) (RNP 1.00)	254.61 / 3.75	3600
SPYVE (IF)	TWITT (TF) (FB) (RNP 1.00)	319.45 / 3.09	4000
TWITT	IWEGN (RF) (FB) (RNP 1.00)	(2.45 NM RADIUS CCW (CFBQF)) / 2.77	3600
IWEGN	EFECU (RF) (FB) (RNP 1.00)	(2.45 NM RADIUS CCW (CFBQF)) / 3.67	2400
EFECU	YEWSS (RF) (FB) (RNP 0.30)	(2.45 NM RADIUS CCW (CFBQF)) / 1.26	2000
YEWSS (FAF)	RW14L (MAP) (TF) (FO)	139.36 / 3.02	
RW14L (MAP)	COBCA (TF) (FB) (RNP 1.00)	139.36 / 7.07	
COBCA	OVR VORTAC (TF) (FO) (RNP 1.00)	127.62 / 4.47	3000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT HCKEY : MAX 210 KIAS.
CHART PLANVIEW NOTE AT AULNR : MAX 210 KIAS.
CHART PLANVIEW NOTE AT SPYVE : MAX 210 KIAS.
CHART PLANVIEW NOTE AT CRPET : MAX 210 KIAS.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO AULNR IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO CRPET IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO SPYVE IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO HCKEY IF: RF REQUIRED.
CHART PLANVIEW NOTE AT AULNR: (RNP 0.30).
CHART PLANVIEW NOTE AT CRPET: (RNP 0.30).
CHART PLANVIEW NOTE AT SPYVE: (RNP 0.30).

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 984	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, 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:

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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CHART PLANVIEW NOTE AT HCKEY: (RNP 0.30).
CHART PLANVIEW NOTE AT LICIS IF: (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: 984	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, 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
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        OVR   K3011630VTHA N41100180W095441267    N41100180W095441267E0080012992     NAROMAHA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AMUKY K30    W     N41222200W095572428                      E0030     NAR           AMUKY
        SUSAEAENRT   AULNR K30    W     N41215528W096050636                      E0031     NAR           AULNR
        SUSAEAENRT   CFBQD K30    W     N41195074W095585957                      E0031     NAR           CNF(CFBQD)
        SUSAEAENRT   CFBQF K30    W     N41224179W095534294                      E0030     NAR           CNF(CFBQF)
        SUSAEAENRT   COBCA K30    W     N41130360W095483398                      E0029     NAR           COBCA
        SUSAEAENRT   CRPET K30    W     N41160667W096025608                      E0031     NAR           CRPET
        SUSAEAENRT   EFECU K30    W     N41222576W095565704                      E0030     NAR           EFECU
        SUSAEAENRT   FRMNT K30    W     N41201052W096021213                      E0031     NAR           FRMNT
        SUSAEAENRT   GOHOX K30    W     N41221675W095591516                      E0031     NAR           GOHOX
        SUSAEAENRT   HCKEY K30    W     N41254717W095492385                      E0029     NAR           HCKEY
        SUSAEAENRT   IWEGN K30    W     N41250643W095541835                      E0030     NAR           IWEGN
        SUSAEAENRT   LICIS K30    W     N41271113W096020004                      E0031     NAR           LICIS
        SUSAEAENRT   RELPE K30    W     N41214381W095565601                      E0030     NAR           RELPE
        SUSAEAENRT   SPYVE K30    W     N41213664W095484103                      E0029     NAR           SPYVE
        SUSAEAENRT   TWITT K30    W     N41240738W095510411                      E0030     NAR           TWITT
        SUSAEAENRT   YEWSS K30    W     N41211612W095562164                      E0030     NAR           YEWSS
        SUSAEAENRT   ZITEK K30    W     N41234359W095584193                      E0031     NAR           ZITEK

                 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 KOMAK3FH14LZ AAULNR 010AULNRK3EA0E  B    IF                                  04000     18000210              A-FS
        SUSAP KOMAK3FH14LZ AAULNR 020GOHOXK3EA0E    010TF                               + 02700                           A FS
        SUSAP KOMAK3FH14LZ AAULNR 030RELPEK3EA0E   R031RF       0024400803    12450019  + 02200                CFBQD K3EAA FS
        SUSAP KOMAK3FH14LZ AAULNR 040YEWSSK3EA0EE  R031RF       0024401245    13940006  + 02000                CFBQD K3EAA FS
        SUSAP KOMAK3FH14LZ ACRPET 010CRPETK3EA0E  B    IF                                  05000     18000210              A-FS
        SUSAP KOMAK3FH14LZ ACRPET 020FRMNTK3EA0E    010TF                               + 03700                           A FS
        SUSAP KOMAK3FH14LZ ACRPET 030GOHOXK3EA0E   R010RF       0024400027    08030033  + 02700                CFBQD K3EAA FS
        SUSAP KOMAK3FH14LZ ACRPET 040RELPEK3EA0E   R031RF       0024400803    12450019  + 02200                CFBQD K3EAA FS
        SUSAP KOMAK3FH14LZ ACRPET 050YEWSSK3EA0EE  R031RF       0024401245    13940006  + 02000                CFBQD K3EAA FS
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 984	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, 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 KOMAK3FH14LZ AHCKEY 020IWEGNK3EA0E    010TF                                  + 03600                          A FS
SUSAP KOMAK3FH14LZ AHCKEY 030EFECUK3EA0E   L010RF       0024502546    16880037    + 02400                CFBQF K3EAA FS
SUSAP KOMAK3FH14LZ AHCKEY 040YEWSSK3EA0EE  L031RF       0024501688    13940013    + 02000                CFBQF K3EAA FS
SUSAP KOMAK3FH14LZ ALICIS 010LICISK3EA0E  A    IF                                  + 04000     18000              A FS
SUSAP KOMAK3FH14LZ ALICIS 020ZITEKK3EA0E    010TF                                  + 02900                          A FS
SUSAP KOMAK3FH14LZ ALICIS 030AMUKYK3EA0E    081TF                                  + 02400                          A FS
SUSAP KOMAK3FH14LZ ALICIS 040YEWSSK3EA0EE   031TF                                  + 02000                          A FS
SUSAP KOMAK3FH14LZ ASPYVE 010SPYVEK3EA0E  B    IF                                    05000     18000210             A-FS
SUSAP KOMAK3FH14LZ ASPYVE 020TWITTK3EA0E    010TF                                  + 04000                          A FS
SUSAP KOMAK3FH14LZ ASPYVE 030IWEGNK3EA0E   L010RF       0024503195    25460028    + 03600                CFBQF K3EAA FS
SUSAP KOMAK3FH14LZ ASPYVE 040EFECUK3EA0E   L010RF       0024502546    16880037    + 02400                CFBQF K3EAA FS
SUSAP KOMAK3FH14LZ ASPYVE 050YEWSSK3EA0EE  L031RF       0024501688    13940013    + 02000                CFBQF K3EAA FS
SUSAP KOMAK3FH14LZ H      020YEWSSK3EA1E  F    IF                                  + 02000     18000      RW14L K3PGA FS
SUSAP KOMAK3FH14LZ H      020YEWSSK3EA2W                                                A031A152                     FS
SUSAP KOMAK3FH14LZ H      030RW14LK3PG0GY M 031TF                                    01038            -300          A FS
SUSAP KOMAK3FH14LZ H      040COBCAK3EA0E M  010TF                                                                  A FS
SUSAP KOMAK3FH14LZ H      050OVR  K3D 0VY   010TF                                  + 03000                          A FS
SUSAP KOMAK3FH14LZ H      060OVR  K3D 0VE  R   HM                     28400040    + 03000                          A FS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOMAK3GRW14L   0085001394 N41184871W095540150+0000    +02721009840000054150IIRAY1
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOMAK3SRW14LK3PG                0   18018003825                                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 984	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, 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.

ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AULNR	AULNR	010		IF		FB				AT 04000	AB 210
	AULNR	GOHOX	020		TF		FB	1.0			AA 02700	
	AULNR	RELPE	030		RF	R	FB	0.3		001.9	AA 02200	
	AULNR	YEWSS	040		RF	R	FB	0.3		000.6	AA 02000	
	CRPET	CRPET	010		IF		FB				AT 05000	AB 210
	CRPET	FRMNT	020		TF		FB	1.0			AA 03700	
	CRPET	GOHOX	030		RF	R	FB	1.0		003.3	AA 02700	
	CRPET	RELPE	040		RF	R	FB	0.3		001.9	AA 02200	
	CRPET	YEWSS	050		RF	R	FB	0.3		000.6	AA 02000	
	HCKEY	HCKEY	010		IF		FB				AB 05000	AB 210
	HCKEY	IWEGN	020		TF		FB	1.0			AA 03600	
	HCKEY	EFECU	030		RF	L	FB	1.0		003.7	AA 02400	
	HCKEY	YEWSS	040		RF	L	FB	0.3		001.3	AA 02000	
	LICIS	LICIS	010	IAF	IF		FB				AA 04000	
	LICIS	ZITEK	020		TF		FB	1.0			AA 02900	
	LICIS	AMUKY	030		TF		FB	0.8			AA 02400	
	LICIS	YEWSS	040		TF		FB	0.3			AA 02000	
	SPYVE	SPYVE	010		IF		FB				AT 05000	AB 210
	SPYVE	TWITT	020		TF		FB	1.0			AA 04000	
	SPYVE	IWEGN	030		RF	L	FB	1.0		002.8	AA 03600	
	SPYVE	EFECU	040		RF	L	FB	1.0		003.7	AA 02400	
	SPYVE	YEWSS	050		RF	L	FB	0.3		001.3	AA 02000	
		YEWSS	020	FAF	IF		FB				AA 02000	
		RW14L	030	MAP	TF		FO	0.3			AT 01038	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	COBCA	040		TF		FB	1.0				
	OVR	050		TF		FO	1.0			AA 03000	
	OVR	060		HM	R	FO		284.0(289.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OVR	N411001.80	W0954412.67	N4110.030	W09544.211
	AMUKY	N412222.00	W0955724.28	N4122.367	W09557.405
	AULNR	N412155.28	W0960506.36	N4121.921	W09605.106
	CFBQD	N411950.74	W0955859.57	N4119.846	W09558.993
	CFBQF	N412241.79	W0955342.94	N4122.697	W09553.716
	COBCA	N411303.60	W0954833.98	N4113.060	W09548.566
	CRPET	N411606.67	W0960256.08	N4116.111	W09602.935
	EFECU	N412225.76	W0955657.04	N4122.429	W09556.951
	FRMNT	N412010.52	W0960212.13	N4120.175	W09602.202

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 984	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, 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.

GOHOX	N412216.75	W0955915.16	N4122.279	W09559.253
HCKEY	N412547.17	W0954923.85	N4125.786	W09549.398
IWEGN	N412506.43	W0955418.35	N4125.107	W09554.306
LICIS	N412711.13	W0960200.04	N4127.186	W09602.001
RELPE	N412143.81	W0955656.01	N4121.730	W09556.934
SPYVE	N412136.64	W0954841.03	N4121.611	W09548.684
TWITT	N412407.38	W0955104.11	N4124.123	W09551.069
YEWSS	N412116.12	W0955621.64	N4121.269	W09556.361
ZITEK	N412343.59	W0955841.93	N4123.727	W09558.699
RW14L	N411848.71	W0955401.50	N4118.812	W09554.025

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW14L	00984	54

QUALITY CHECK

CITY AND STATE	ELEVATION: 984 THRE: 984	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, 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:	CRPET	FRMNT	1. TOWER (31-000362)	411825.00N/0960138.00W	2548 (4D)	500	AC50 AT602	3700
(RNP 1.00)			2. TERRAIN	411942.00N/0960009.00W	1310 (1300)		AS1000	2300
INTERMEDIATE: STEPDOWN	FRMNT	GOHOX	3. TOWER (31-000587)	412339.00N/0955833.00W	1807 (1A)	500	AC3 AT390	2700
(RNP 1.00)			4. TERRAIN	412321.00N/0960203.00W	1326 (1300)		AS1000	2300
INTERMEDIATE:	AULNR	GOHOX	3. TOWER (31-000587)	412339.00N/0955833.00W	1807 (1A)	500	AC3 AT390	2700
(RNP 1.00)			4. TERRAIN	412321.00N/0960203.00W	1326 (1300)		AS1000	2300
INTERMEDIATE: STEPDOWN	GOHOX	RELPE	5. AAO	412248.00N/0955942.00W	1464 (4E)	500	AC98	2100
(RNP 0.30)			6. TERRAIN	412209.00N/0955800.00W	1244 (1200)		AS1000	2200
INTERMEDIATE: STEPDOWN	RELPE	YEWSS	7. AAO	412124.00N/0955740.74W	1229 (2C)	500	AC20 AT251	2000
(RNP 0.30)			8. TERRAIN	412139.00N/0955551.00W	1011 (1000)		AS0	1000
INITIAL:	LICIS	ZITEK	3. TOWER (31-000587)	412339.00N/0955833.00W	1807 (1A)	1000	AC3	2900
(RNP 1.00)			9. TERRAIN	412518.00N/0960303.00W	1336 (1300)		AS1000	2300
INTERMEDIATE:	ZITEK	AMUKY	3. TOWER (31-000587)	412339.00N/0955833.00W	1807 (1A)	500	AC3	2400
(RNP 0.80)			10. TERRAIN	412239.00N/0960018.00W	1296 (1300)		AS1000	2300

3. MISSED APPROACH									
	MAP								
	ELEV								

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

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW14L**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (31-000644)	220/ 20.7	2731 (2C)	3800					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OMAHA, NE	ELEVATION: 984 AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, 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	
	HRS OPTN: 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: 983.8
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 54.2
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: 04/25/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - RNP PROCEDURE.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/66.9

SEE ATTACHED AIRSPACE LETTER.

MAX SPEED CRPET TO FRMNT - 210 KIAS.
MAX SPEED FRMNT TO GOHOX - 210 KIAS.
MAX SPEED GOHOX TO RELPE - 210 KIAS.
MAX SPEED RELPE TO YEWSS - 210 KIAS.
MAX SPEED SPYVE TO TWITT - 210 KIAS.
MAX SPEED TWITT TO IWEGN - 210 KIAS.
MAX SPEED IWEGN TO EFECU - 210 KIAS.
MAX SPEED EFECU TO YEWSS - 210 KIAS.

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 0.50 AND 0.30 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:
34:1:
1005 NAVAID (KOMAL222) (2C) 411856.22N/0955412.82W (15.60)
995 NAVAID (KOMAL009) (2C) 411857.72N/0955410.06W (5.57)
1006 POLE (KOMAL038) (2C) 411902.77N/0955411.61W (2.33)

1058 MSL TREE (KOMAL140) 411926.88N/0955457.11W PENETRATES RNP VISUAL OIS BUFFER AREA BY 16.94';
1005 MSL NAVAID (KOMAL222) 411856.22N/0955412.82W PENETRATES RNP VISUAL OIS BY 3.79';
CHARTED IAW FAAO 8260.52 PARA 3.6.

RF SEGMENT RADIUS/BANK ANGLE COMPUTATIONS:

SEGMENT	ALT	KIAS	KTAS	HAA	*VKTW	TR	BA
RELPE-YEWSS	2200	210	219.24	1215.7	30	2.44	20.38
GOHOX-RELPE	2700	210	221.34	1715.7	30	2.44	20.69
FRMNT-GOHOX	3700	210	225.54	2715.7	52	2.44	24.73
EFECU-YEWSS	2400	210	220.08	1415.7	30	2.45	20.43
IWEGN-EFECU	3600	210	225.12	2615.7	52	2.45	24.57
TWITT-IWEGN	4000	210	226.80	3015.7	51	2.45	24.68

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

QUALITY 1 CHECKED

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	AMUKY	YEWSS	11. AAO	412208.15N/0955800.59W	1439 (2C)	500	AC20	2000
(RNP 0.30)			12. TERRAIN	412203.00N/0955800.00W	1234 (1200)		AS0	1200
INTERMEDIATE:	HCKEY	IWEGN	13. AAO	412457.00N/0955118.00W	1483 (4E)	500	AC98 AT1519	3600
(RNP 1.00)			14. TERRAIN	412703.00N/0955154.00W	1283 (1300)		AS1500	2800
INTERMEDIATE:	SPYVE	TWITT	15. AAO	411945.90N/0955003.70W	1570 (2C)	500	AC20 AT1910	4000
(RNP 1.00)			16. TERRAIN	411945.90N/0955003.70W	1370 (1400)		AS1500	2900
INTERMEDIATE: STEPDOWN	TWITT	IWEGN	13. AAO	412457.00N/0955118.00W	1483 (4E)	500	AC98 AT1519	3600
(RNP 1.00)			17. TERRAIN	412457.00N/0955121.00W	1283 (1300)		AS1500	2800
INTERMEDIATE: STEPDOWN	IWEGN	EFECU	3. TOWER (31-000587)	412339.00N/0955833.00W	1807 (1A)	500	AC3	2400
(RNP 1.00)			18. TERRAIN	412412.00N/0905909.00W	1257 (1300)		AS1000	2300
INTERMEDIATE: STEPDOWN	EFECU	YEWSS	19. TOWER (31-000036)	412216.00N/0955744.00W	1352 (4D)	500	AC50	2000
(RNP 0.30)			20. TERRAIN	412221.00N/0955742.00W	1224 (1200)		AS0	1200
FINAL: RNP 0.15	YEWSS	RW14L	21. TREE (KOMAT003)	411919.81N/0955415.63W	1089 (2C)	21.74:1	AC20 MA9	1335/351
FINAL: RNP 0.30	YEWSS	RW14L	22. TREE (KOMAL312)	411925.75N/0955442.88W	1070 (1B)	21.71:1	AC10 MA43	1395/411

3. MISSED APPROACH										
	MAP:									
	ELEV:									

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

QUALITY CHECK

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
OMAHA, NE	ELEVATION: 984 AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, ORIG	ACE

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.

CONT.

QUALITY

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	DA	RW14L	21. TREE (KOMAT003)	411919.81N/0955415.63W	1089 (2C)	ASC	AC20	
(RNP 0.15-1.00)		40:1						
MISSED APPROACH	DA	RW14L	23. TREE (KOMAL140)	411926.88N/0955457.11W	1058 (2C)	ASC	AC20	
(RNP 0.30-1.00)		40:1						
MISSED APPROACH	RW14L	COBCA				ASC		
(RNP 0.15-1.00)		40:1						
MISSED APPROACH	RW14L	COBCA				ASC		
(RNP 0.30-1.00)		40:1						
MISSED APPROACH	COBCA	OVR VORTAC				ASC		
(RNP 1.00)		40:1						
	NA							
3. MISSED APPROACH — MAP:	DA / DA	OVR VORTAC				ASC		3000
			24. AAO	411003.00N/0954415.00W	1500 (4E)	1000	AC98	2600
ELEV:	1073/1074		25. TERRAIN	411003.00N/0954415.00W	1300 (1300)		AS1500	2800

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
OMAHA, NE	ELEVATION: 984 AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 14L, 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.

RADIO FIX AND HOLDING DATA RECORD

NAME: AMUKY **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412222.00N/0955724.28W **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 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: AULNR **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412155.28N/0960506.36W **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 14L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14R			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/18/2012 **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: CFBQD **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 411950.74N/0955859.57W **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 14L			KOMA	OMAHA	NE (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: CFBQF **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412241.79N/0955342.94W **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 14L			KOMA	OMAHA	NE (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: COBCA **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411303.60N/0954833.98W **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 14L			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: CRPET **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 411606.67N/0960256.08W **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 14L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14R			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/18/2012 **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: EFECU **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412225.76N/0955657.04W **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 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: FRMNT **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412010.52N/0960212.13W **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 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: GOHOX **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412216.75N/0955915.16W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: HCKEY **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412547.17N/0954923.85W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 14L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14R			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/18/2012 **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: IWEGN **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412506.43N/0955418.35W **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 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: LICIS **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412711.13N/0960200.04W **TYPE:** WP

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

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 (31-000587)	412339.00N/0955833.00W	1807	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 14L		1	KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
UPDATED FIX USE.
DELETED FAC 1 DATA.
UPDATED HOLDING PAT 1 CONTROLLING OBSTACLE STATE CODE.
ADDED PRECIPITOUS TERRAIN EVALUATION REMARK.

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 1

RADIO FIX AND HOLDING DATA RECORD

NAME: OMAHA VORTAC **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411001.80N/0954412.67W **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	OMAHA	OVR	VORTAC	H							45000

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	E	OVR	VORTAC	104.00	284.00	R	1		3000	6000	4	5
2	SE	OVR	VORTAC	133.00	313.00	R	1		2900	6000	4	5
3	SE	OVR	VORTAC	130.00	310.00	R	1		3000	6000	4	5
4	E		WP	104.00	284.00	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (19-020083)	410553.30N/0954537.32W	1607	4D
1	200	AAO	410749.30N/0954722.50W	1550	6C
2	200	TOWER (19-020083)	410553.30N/0954537.32W	1607	4D
3	200	AAO	410749.30N/0954722.50W	1550	6C
4	200	TOWER (19-002579)	411442.91N/0954133.28W	1566	2C

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DES MOINES			KDSM	DES MOINES	IA (US)
DP	ORSKY			KANE	MINNEAPOLIS	MN (US)
DP	ORSKY			KFCM	MINNEAPOLIS	MN (US)
DP	MEADOW LAKE			KMSP	MINNEAPOLIS	MN (US)
DP	MINNEAPOLIS			KMSP	MINNEAPOLIS	MN (US)
DP	ORSKY			KMSP	MINNEAPOLIS	MN (US)
DP	ORSKY			KSTP	ST PAUL	MN (US)
EN ROUTE	J21					(US)
EN ROUTE	J41					(US)
EN ROUTE	V138					(US)
EN ROUTE	V159					(US)
EN ROUTE	V172					(US)
EN ROUTE	V181					(US)
EN ROUTE	V307					(US)
EN ROUTE	V6					(US)
EN ROUTE	V8					(US)
IAP	ILS OR LOC RWY 36		1	KCBF	COUNCIL BLUFFS	IA (US)
IAP	RNAV (GPS) RWY 18			KCBF	COUNCIL BLUFFS	IA (US)
IAP	RNAV (GPS) RWY 36			KCBF	COUNCIL BLUFFS	IA (US)
IAP	VOR-A		2	KCBF	COUNCIL BLUFFS	IA (US)
IAP	NDB RWY 17			KRDK	RED OAK	IA (US)
IAP	RNAV (GPS) RWY 5			KRDK	RED OAK	IA (US)
IAP	VOR/DME-A			KRDK	RED OAK	IA (US)
IAP	NDB RWY 4			KSDA	SHENANDOAH	IA (US)
IAP	VOR/DME RWY 12			KSDA	SHENANDOAH	IA (US)
IAP	VOR RWY 14			KFET	FREMONT	NE (US)
IAP	VOR RWY 17			KLNK	LINCOLN	NE (US)
IAP	VOR RWY 18			KLNK	LINCOLN	NE (US)
IAP	RNAV (GPS) RWY 15			KAFK	NEBRASKA CITY	NE (US)
IAP	NDB RWY 12			KMLE	OMAHA	NE (US)
IAP	ILS OR LOC RWY 32L		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 32R		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC RWY 36		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC/DME RWY 14L		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC/DME RWY 14R		1	KOMA	OMAHA	NE (US)
IAP	ILS OR LOC/DME RWY 18		1	KOMA	OMAHA	NE (US)
IAP	ILS RWY 14R (CAT II)		1	KOMA	OMAHA	NE (US)
IAP	ILS RWY 14R (CAT III)		1	KOMA	OMAHA	NE (US)
IAP	ILS RWY 32R (CAT II)		1	KOMA	OMAHA	NE (US)
IAP	ILS RWY 32R (CAT III)		1	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 14L		4	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 14R		4	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 18			KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 32L			KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 32R			KOMA	OMAHA	NE (US)

QUALITY CHECKED 1

IAP	RNAV (GPS) Y RWY 36		KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14L	4	KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14R	4	KOMA	OMAHA	NE (US)
IAP	VOR RWY 32L	3	KOMA	OMAHA	NE (US)
IAP	NDB RWY 16		KPMV	PLATTSMOUTH	NE (US)
IAP	NDB RWY 34		KPMV	PLATTSMOUTH	NE (US)
STAR	ROBINSON		KMCI	KANSAS CITY	MO (US)
STAR	HOWRY		KOFF	OMAHA	NE (US)
STAR	LANTK		KOFF	OMAHA	NE (US)
STAR	MARWI		KOFF	OMAHA	NE (US)
STAR	PAWNEE CITY		KOFF	OMAHA	NE (US)
STAR	SIOUX CITY		KOFF	OMAHA	NE (US)
STAR	HOWRY		KOMA	OMAHA	NE (US)
STAR	LANTK		KOMA	OMAHA	NE (US)
STAR	MARWI		KOMA	OMAHA	NE (US)
STAR	PAWNEE CITY		KOMA	OMAHA	NE (US)
STAR	SIOUX CITY		KOMA	OMAHA	NE (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FIX USE.
CHANGED HOLDING PAT 3 MIN HOLDING ALTITUDE FROM 2800 TO 3000.
CHANGED HOLDING PAT 1 & 3 OBSTACLE ACCURACY CODES FROM 5C TO 6C.

DEVELOPED BY: **DATE:** 06/07/2012 **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
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RELPE **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412143.81N/0955656.01W **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 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: SPYVE **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412136.64N/0954841.03W **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 14L			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 14R			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/18/2012 **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: TWITT **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412407.38N/0955104.11W **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 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: YEWSS **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412116.12N/0955621.64W **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 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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: ZITEK **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412343.59N/0955841.93W **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 14L			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 04/24/2012 **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 14L** 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 **3.02**
   (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 **144.36**
4. High Terrain in **FINAL** segment containing 1000' point **1008**
5. Distance from **THLD** to 1500' point **5.53**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **3.20**
7. True Course of **INTERMEDIATE** segment containing 1500' point **143.36**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1296**
9. Threshold Coordinates (if straight-in) ... **411848.71N** / **0955401.50W**
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 ..... **412116.12N** / **0955621.64W**

REMARKS: Approach/Drawing attached.
1500 FT PT (412318.71N/0955818.24W) OCCURS IN INTERMEDIATE SEGMENT ZITEK (412343.59N/0955841.93W) TO AMUKY (412222.00N/0955724.28W). THIS IS AIRSPACE 1 OF 3.

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 14L** 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 **3.02**
   (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 **144.36**
4. High Terrain in **FINAL** segment containing 1000' point **1008**
5. Distance from **THLD** to 1500' point **5.53**
   (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 **1326**
9. Threshold Coordinates (if straight-in) ... **411848.71N** / **0955401.50W**
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 ..... **412116.12N** / **0955621.64W**

REMARKS: Approach/Drawing attached.
1500 FT PT (412216.75N/0955915.16W) OCCURS IN INTERMEDIATE AULNR (412155.28N/0960506.36W) TO GOHOX 412216.75N/0955915.16W). 1500 FT PT IS AT GOHOX.
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 14L** 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 **3.02**
   (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 **144.36**
4. High Terrain in **FINAL** segment containing 1000' point **1008**
5. Distance from **THLD** to 1500' point **5.53**
   (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 **1257**
9. Threshold Coordinates (if straight-in) ... **411848.71N** / **0955401.50W**
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 ..... **412116.12N** / **0955621.64W**

REMARKS: Approach/Drawing attached.
1500 FT PT (412339.76N/0955642.42W) OCCURS IN RF TURN INTERMEDIATE SEGMENT IWEGN (412506.43N/0955418.35W) TO EFECU (412225.76N/0955657.04W). RF CTR PT CFBQF (412241.79N/0955342.94W). ARC RADIUS 2.45NM. THIS IS AIRSPACE FORM 2 OF 3.

APPROVAL REQUEST

RNAV (RNP) Z RWY 14L, Orig, Eppley Airfield (OMA), Omaha, NE. .

An obstacle penetrates the visual OIS, Order 8260.52, paragraph 3.6.

Request approval for the following obstacles that penetrates the visual OIS. X and Y values are relative to the runway 14L LTP and runway centerline extended. Penetration values are based on the most adverse application of the assigned accuracy value associated with each obstacle.

Obstacle	H/V AC	MSL (FT)	X (FT)	Y (FT)	Penetration (FT)
TREE (KOMAL140)	50/20	1058	1201.22	-5611.51	16.94
NAVAID (KOMAL222)	50/20	1005	259.66	-1120.48	3.79

These obstacles will be charted. Additionally, the procedure will be noted that the VGSI must be operational for night operations; the VGSI GPA/TCH is 3.00/66.9.

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 14L

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 RELPE TO YEWSS 20.38 DEGREES.
SEGMENT GOHOX TO RELPE 20.69 DEGREES.
SEGMENT FRMNT TO GOHOX 24.73 DEGREES.
SEGMENT EFECU TO YEWSS 20.43 DEGREES.
SEGMENT IWEGN TO EFECU 24.57 DEGREES.
SEGMENT TWITT TO IWEGN 24.68 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

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 14L

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. SEGMENT SPYVE TO TWITT DESCENT GRADIENT 323.63 FT/NM. SPYVE TO PFAF 278 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 AT 278 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	Gregory Yamamoto

FAA FORM 8260 - 1 / July2003 (computer generated)

8260.24C Category I ILS Threshold crossing Height, Para 7a.

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:		
Date:	Routing Symbol:	Signature:

DO NOT REMOVE FROM PACKAGE

PFAF
Calculations

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

Latitude/Longitude valid for straight segment only

VEB
OCS Origin & Slope

Intermediate Segment Altitude:	2000
LTP Elevation:	983.8
Glidepath Angle:	3
TCH:	54.2
RNP Value:	0.30
Δ ISA:	-30.086

Straight In Segment

(Wingspan =<262) **LTP to Origin:**	3,885.18'
(Wingspan =<136) **LTP to Origin:**	3,668.11'
OCS Slope Ratio:	21.71 : 1

RF Turn Segment | Bank angle:	0.00°
(Wingspan =<262) **LTP to Origin:**	NA
(Wingspan =<136) **LTP to Origin:**	NA
OCS Slope Ratio:	NA

Version 2.0

VEB
Temperature Limits

Glidepath Angle:	3.00°	
Max Glidepath Angle:	3.50°	
PFAF Elevation:	2000	
LTP Elevation:	983.8	
ACT:	-24.00°C	
Min Glidepath Angle	2.75°	
NA Below	-17.05°C	1.30°F
NA Above	45.70°C	114.25°F

Intermediate Segment
VEB ROC

Glidepath Angle	3.00
LTP MSL Elevation	983.80
TCH (ft)	54.20
OCS Slope	21.71
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,885.18
Obstacle Distance (ft) *(measured along-track from LTP)*	27,080.16

VEB ROC *(all obstacles)*	**410**
Glidepath MSL altitude at Obstacle	2,474.78
OCS MSL altitude at Obstacle	2,065.08

Rwy 14L