Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 07/17/2010	Task #: 2010071719948208003	Request #: 20100717199482
Procedure: RNAV (RNP) Z RWY 18 ORIG		Airport ID: KOMA	Airport: EPPLEY AIRFIELD		Reimbursable #:
City: OMAHA	ST: NE	GPS #:		Estimated Chart Date: 09/20/2012	FICO #: 1073841
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	
QA:	06/26/2012	06/26/2012	STEVEN SZUKALA	
Liaison:	06/26/2012		K. Spurlin	WAIVER REQUEST: P1;

P1

PKG 5 of 6

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

OMAHA, NE; EPPLEY AIRFIELD (KOMA); RNAV (RNP) Z RWY 18, ORIG; ENROUTE-YES; FC BY 7/21/12; PUB 9/20/12
ATTACHED FORMS: 8260-3, 8260-9, 8260-10
8260-2(S): CFBJV, ORIG; CFBJW, ORIG; CFBQM, ORIG; CFBQP, ORIG; CHAAD, ORIG; CIVIV, REV 2; DILTS, ORIG; EDUHU, ORIG; FLIPN, ORIG; GEEKR, ORIG; JAKKI, ORIG; OGYAH, ORIG; QBERT, ORIG; SHUDA, ORIG; SNRUB, ORIG; TASKY INT, REV 5; TM8ER, ORIG; WOODA, ORIG; YIRUT, ORIG,
CONTACT: JILL OLSON/STEVE BARNETT, AJV-353 LEADS, 405.954.0414/9307: (SHANE-8267)

APP CRS	Rwy ldg	8013
175°	THRE	981
	Apt Elev	984

RNAV (RNP) Z RWY 18

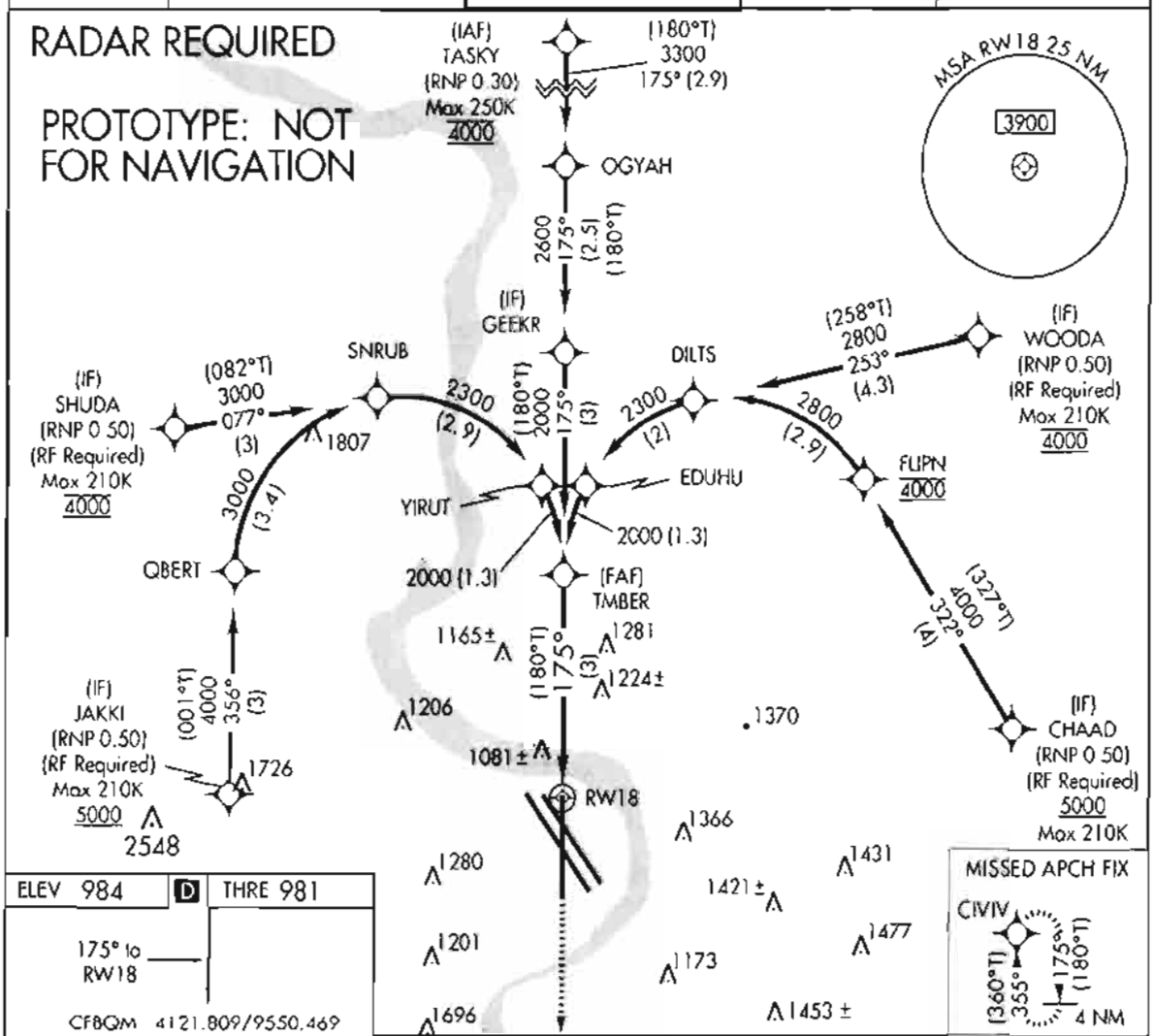
OMAHA/EPPLEY AIRFIELD (OMA)

For uncompensated Baro-VNAV systems, procedure NA below -17°C (2°F) or above 54°C (130°F). For inoperative MALSR, increase RNP 0.15 all Cats visibility to 1⅛, RNP 0.30 all Cats visibility to 2. GPS Required.

MALSR

MISSED APPROACH: Climb to 3000 on track 175° to CIVIV 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



ELEV 984	D	THRE 981

175° to RW18

CFBQM	4121.809/9550.469
CHAAD	4119.726/9544.859
DILTS	4124.161/9551.116
EDUHU	4123.017/9553.224
GEEKR	4124.819/9553.642
JAKKI	4118.832/9600.147
OGYAH	4127.351/9553.629
SHUDA	4123.786/9601.233
SNRUB	4124.205/9557.287
TASKY	4130.284/9553.615
TMBER	4121.819/9553.656
WOODA	4125.031/9545.520
YIRUT	4123.019/9554.077
CIVIV	4105.452/9553.736
RW18	4118.800/9553.670
QBERT	4121.863/9600.053
CFBJW	4121.807/9556.840
CFBJV	4121.790/9550.464
FLIPN	4123.107/9547.766
CFBQP	4121.827/9556.844

HIRL All Rwys
TDZ/CL Rwy 14R and 32R

CATEGORY	A	B	C	D
RNP 0.15 DA	1340-40 359 (400-¾)			
RNP 0.30 DA	1575-1⅝ 594 (600-1⅝)			

AUTHORIZATION REQUIRED

AUTOMATED AL-304 RNAV (RNP) Z RWY 18

1 250,000

NC-2
14 JUN 2012
COMPILER: CW
REVIEWER:
DBL CHKR:
EFF. FIG

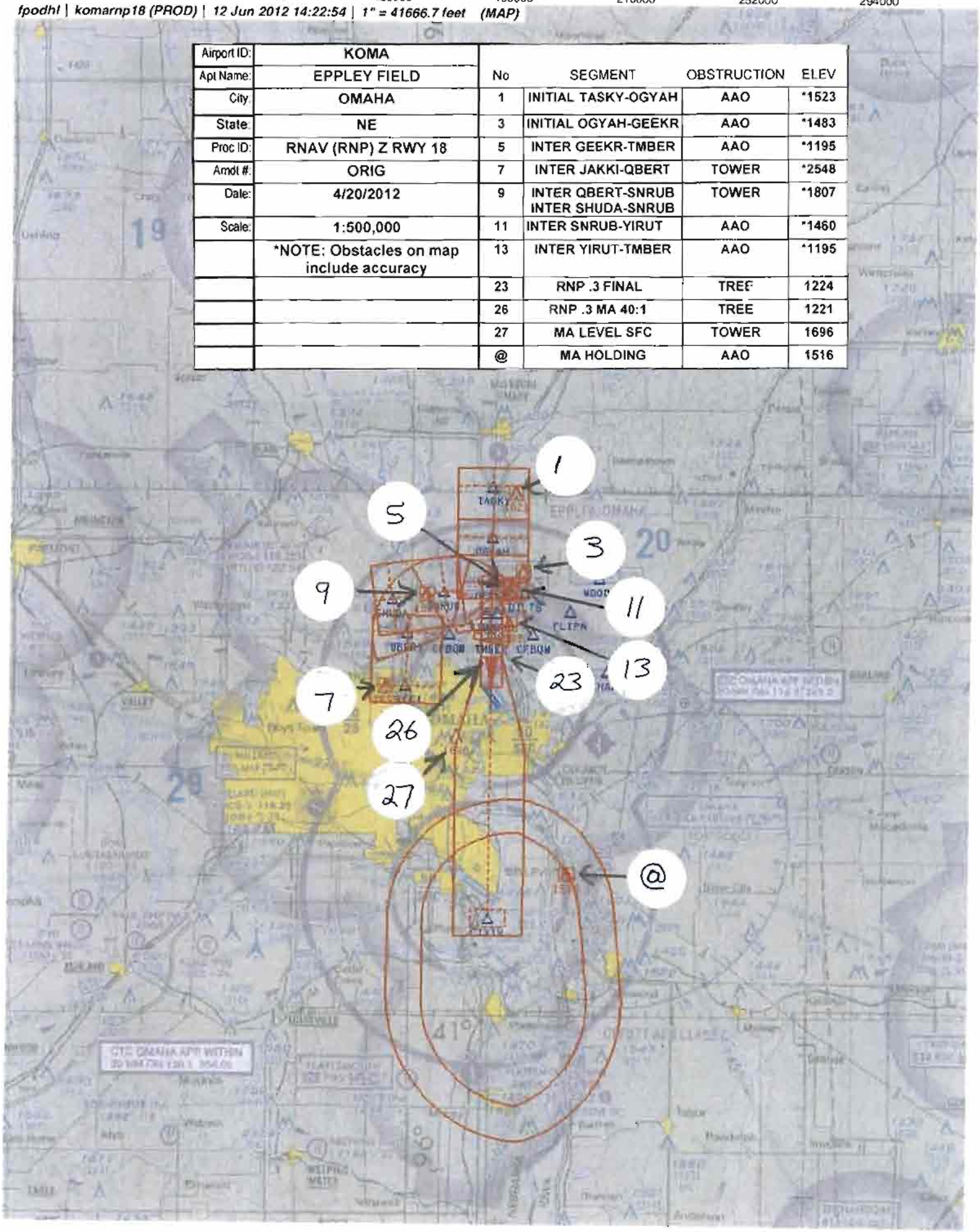
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodhl | komarnp18 (PROD) | 12 Jun 2012 14:22:54 | 1" = 41666.7 feet (MAP)

Airport ID:	KOMA
Apt Name:	EPPLEY FIELD
City:	OMAHA
State:	NE
Proc ID:	RNAV (RNP) Z RWY 18
Amdt #:	ORIG
Date:	4/20/2012
Scale:	1:500,000
	*NOTE: Obstacles on map include accuracy

No	SEGMENT	OBSTRUCTION	ELEV
1	INITIAL TASKY-OGYAH	AAO	*1523
3	INITIAL OGYAH-GEEKR	AAO	*1483
5	INTER GEEKR-TMBER	AAO	*1195
7	INTER JAKKI-QBERT	TOWER	*2548
9	INTER QBERT-SNRUB INTER SHUDA-SNRUB	TOWER	*1807
11	INTER SNRUB-YIRUT	AAO	*1460
13	INTER YIRUT-TMBER	AAO	*1195
23	RNP .3 FINAL	TREE	1224
26	RNP .3 MA 40:1	TREE	1221
27	MA LEVEL SFC	TOWER	1696
@	MA HOLDING	AAO	1516



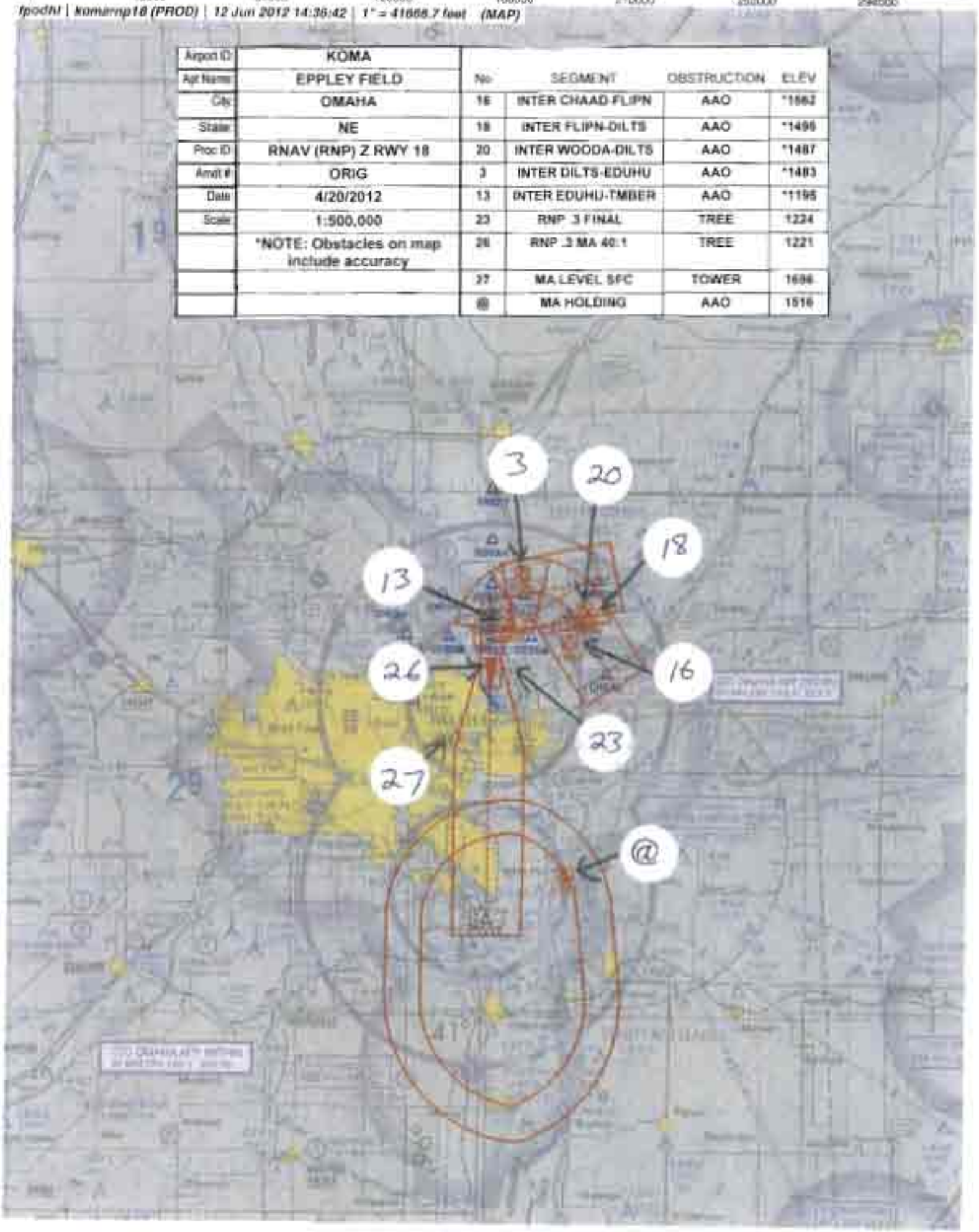
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodhi | komarnp18 (PROD) | 12 Jun 2012 14:36:42 | 1" = 41668.7 feet (MAP)

Airport ID:	KOMA
Apt Name:	EPPLEY FIELD
City:	OMAHA
State:	NE
Proc ID:	RNAV (RNP) Z RWY 18
Amdt #:	ORIG
Date:	4/20/2012
Scale:	1:500,000
	*NOTE: Obstacles on map include accuracy

No	SEGMENT	OBSTRUCTION	ELEV
16	INTER CHAAD-FLIPN	AAO	*1562
18	INTER FLIPN-DILTS	AAO	*1496
20	INTER WOODA-DILTS	AAO	*1487
3	INTER DILTS-EDUHU	AAO	*1483
13	INTER EDUHU-TMBER	AAO	*1195
23	RNP .3 FINAL	TREE	1224
26	RNP .3 MA 40:1	TREE	1221
27	MA LEVEL SFC	TOWER	1696
@	MA HOLDING	AAO	1516



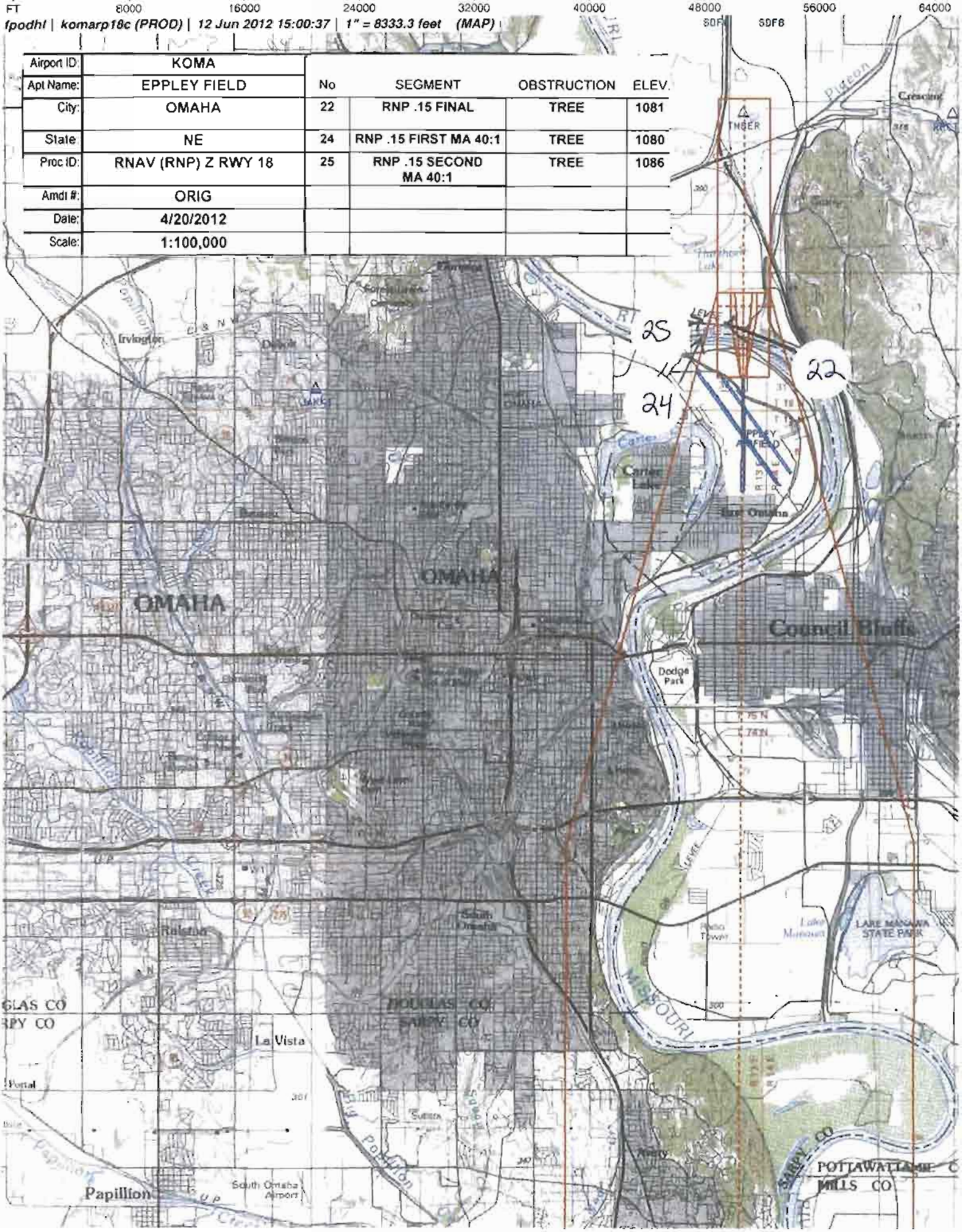
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodhl | komarp18c (PROD) | 12 Jun 2012 15:00:37 | 1" = 8333.3 feet (MAP)

Airport ID:	KOMA
Apt Name:	EPPLEY FIELD
City:	OMAHA
State:	NE
Proc ID:	RNAV (RNP) Z RWY 18
Amdt #:	ORIG
Date:	4/20/2012
Scale:	1:100,000

No	SEGMENT	OBSTRUCTION	ELEV.
22	RNP .15 FINAL	TREE	1081
24	RNP .15 FIRST MA 40:1	TREE	1080
25	RNP .15 SECOND MA 40:1	TREE	1086



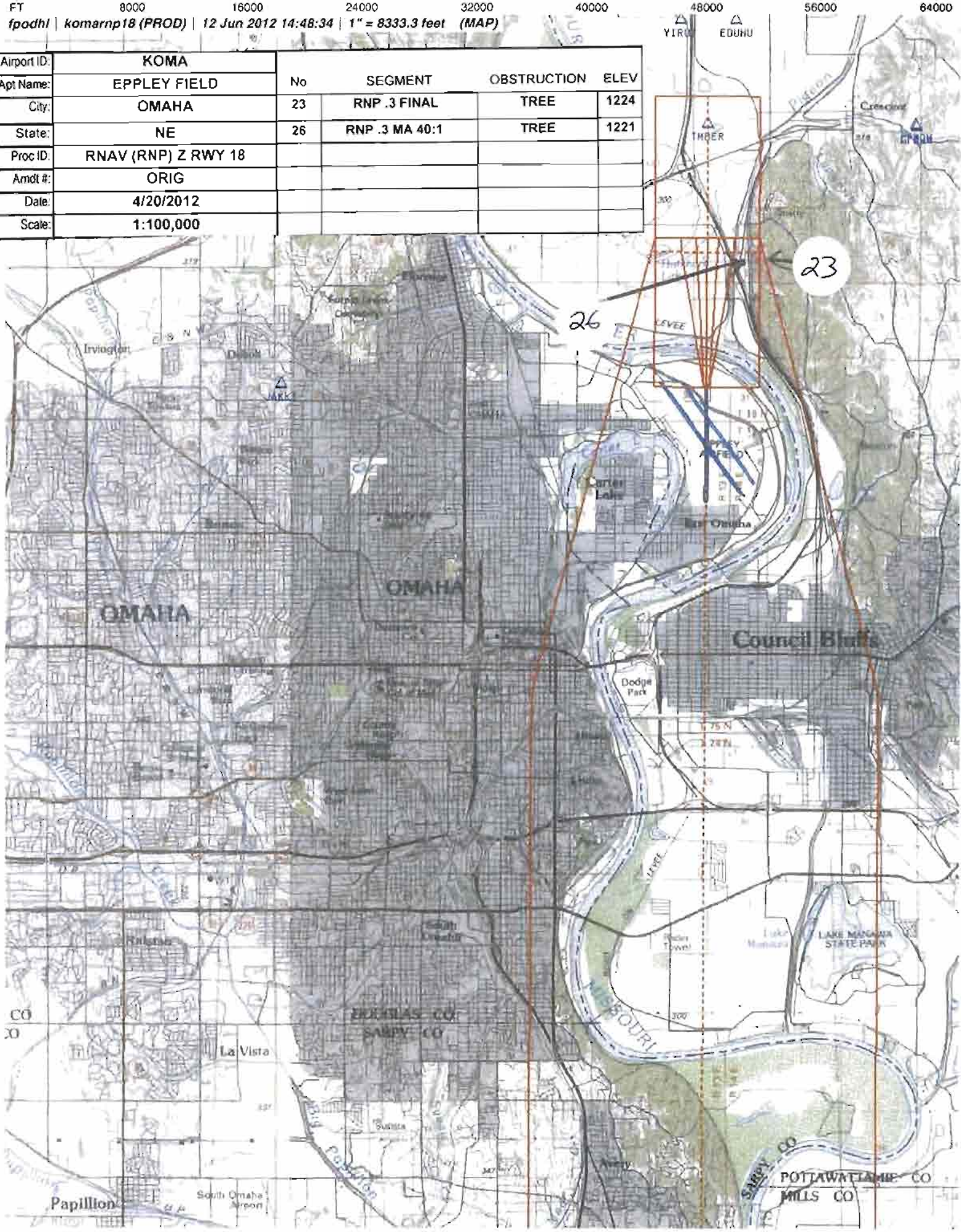
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodhl | komarnp18 (PROD) | 12 Jun 2012 14:48:34 | 1" = 8333.3 feet (MAP)

Airport ID:	KOMA
Apt Name:	EPPLEY FIELD
City:	OMAHA
State:	NE
Proc ID:	RNAV (RNP) Z RWY 18
Amdt #:	ORIG
Date:	4/20/2012
Scale:	1:100,000

No	SEGMENT	OBSTRUCTION	ELEV
23	RNP .3 FINAL	TREE	1224
26	RNP .3 MA 40:1	TREE	1221



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
TASKY (IAF)	OGYAH (TF) (FB) (RNP 1.00)	175.21 / 2.93	3300
OGYAH	GEEKR (TF) (FB) (RNP 1.00)	175.21 / 2.53	2600
GEEKR (IF)	TMBER (TF) (FB) (RNP 0.30)	175.21 / 3.00	2000
JAKKI (IF)	QBERT (TF) (FB) (RNP 1.00)	356.33 / 3.03	4000
QBERT	SNRUB (RF) (FB) (RNP 1.00)	(2.42 NM RADIUS CW (CFBJW)) / 3.41	3000
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 3000 ON TRACK 175.21 TO CIVIV AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT TMBER
3. FAC: 175.21 FAF: ____ DIST FAF TO MAP: 3.04 THLD: ____
4. MIN. ALT: TMBER 2000
5. DIST TO THLD FROM OM: 3.04 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2000 GS ALT AT: TMBER 2000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 51.0# 34:1 IS NOT CLEAR
8. MSA FROM: RW18 3900

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 355.21 INBOUND.
CHART FAS OBST: 1081 TREE 411922N/0955404W
CHART FAS OBST: 1224 TREE 412011N/0955254W
DISTANCE TO THLD FROM 359 HATH: 0.97 NM.
ROUTE TYPE: A, H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
CHART MANDATORY 4000 AT SHUDA
CHART MANDATORY 4000 AT TASKY
CHART MANDATORY 4000 AT WOODA
CHART MANDATORY 4000 AT FLIPN
CHART MINIMUM 5000 AT JAKKI
CHART MINIMUM 5000 AT CHAAD
#TCH 1032.2 (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	1340	4000	359	1340	4000	359	1340	4000	359	1340	4000	359			
RNP 0.30 DA	1575	1 5/8	594	1575	1 5/8	594	1575	1 5/8	594	1575	1 5/8	594			

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 2.
CHART NOTE: GPS REQUIRED.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 981	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 18, 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: **05/07/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. ORIG.

REASONS:

1. FPT REQUEST.

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SNRUB	YIRUT (RF) (FB) (RNP 1.00)	(2.40 NM RADIUS CW (CFBQP)) / 2.86	2300
YIRUT	TMBER (RF) (FB) (RNP 0.50)	(2.40 NM RADIUS CW (CFBQP)) / 1.26	2000
SHUDA (IF)	SNRUB (TF) (FB) (RNP 1.00)	076.96 / 3.00	3000
CHAAD (IF)	FLIPN (TF) (FB) (RNP 1.00)	322.07 / 4.03	4000
FLIPN	DILTS (RF) (FB) (RNP 1.00)	(2.42 NM RADIUS CCW (CFBJV)) / 2.90	2800
DILTS	EDUHU (RF) (FB) (RNP 1.00)	(2.40 NM RADIUS CCW (CFBQM)) / 2.01	2300
EDUHU	TMBER (RF) (FB) (RNP 0.50)	(2.40 NM RADIUS CCW (CFBQM)) / 1.26	2000
WOODA (IF)	DILTS (TF) (FB) (RNP 1.00)	253.37 / 4.30	2800
TMBER (FAF)	RW18 (MAP) (TF) (FO)	175.21 / 3.04	
RW18 (MAP)	CIVIV (TF) (FO) (RNP 1.00)	175.21 / 13.32	3000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT SHUDA : MAX 210 KIAS.
CHART PLANVIEW NOTE AT JAKKI : MAX 210 KIAS.
CHART PLANVIEW NOTE AT CHAAD : MAX 210 KIAS.
CHART PLANVIEW NOTE AT WOODA : MAX 210 KIAS.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO JAKKI IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO SHUDA IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO CHAAD IF: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO WOODA IF: RF REQUIRED.
CHART PLANVIEW NOTE AT TASKY: (RNP 0.30).
CHART PLANVIEW NOTE AT JAKKI: (RNP 0.50).
CHART PLANVIEW NOTE AT SHUDA: (RNP 0.50).
CHART PLANVIEW NOTE AT CHAAD: (RNP 0.50).

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 981	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 18, 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 WOODA: (RNP 0.50).
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 981	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 18, ORIG	AMDT: NONE
				DATED:

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (RNP)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CFBJV K30    W     N41214736W095502781                      E0030     NAR           CNF(CFBJV)
        SUSAEAENRT   CFBJW K30    W     N41214841W095565039                      E0030     NAR           CNF(CFBJW)
        SUSAEAENRT   CFBQM K30    W     N41214854W095502811                      E0030     NAR           CNF(CFBQM)
        SUSAEAENRT   CFBQP K30    W     N41214960W095565059                      E0030     NAR           CNF(CFBQP)
        SUSAEAENRT   CHAAD K30    W     N41194354W095445153                      E0029     NAR           CHAAD
        SUSAEAENRT   CIVIV K30    W     N41052711W095534411                      E0030     NAR           CIVIV
        SUSAEAENRT   DILTS K30    W     N41240962W095510695                      E0030     NAR           DILTS
        SUSAEAENRT   EDUHU K30    W     N41230100W095531343                      E0030     NAR           EDUHU
        SUSAEAENRT   FLIPN K30    W     N41230637W095474596                      E0029     NAR           FLIPN
        SUSAEAENRT   GEEKR K30    W     N41244914W095533848                      E0030     NAR           GEEKR
        SUSAEAENRT   JAKKI K30    W     N41184987W096000879                      E0031     NAR           JAKKI
        SUSAEAENRT   OGYAH K30    W     N41272102W095533774                      E0030     NAR           OGYAH
        SUSAEAENRT   QBERT K30    W     N41215177W096000317                      E0031     NAR           QBERT
        SUSAEAENRT   SHUDA K30    W     N41234716W096011398                      E0031     NAR           SHUDA
        SUSAEAENRT   SNRUB K30    W     N41241227W095571721                      E0030     NAR           SNRUB
        SUSAEAENRT   TASKY K30    C     N41301704W095533687                      E0030     NAR           TASKY
        SUSAEAENRT   TMBER K30    W     N41214911W095533935                      E0030     NAR           TMBER
        SUSAEAENRT   WOODA K30    W     N41250181W095453115                      E0029     NAR           WOODA
        SUSAEAENRT   YIRUT K30    W     N41230114W095540457                      E0030     NAR           YIRUT

                 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 KOMAK3FH18-Z ACHAAD 010CHAADK3EA0E  B    IF                                  + 05000     18000210              A-FS
        SUSAP KOMAK3FH18-Z ACHAAD 020FLIPNK3EA0E    010TF                                    04000                           A FS
        SUSAP KOMAK3FH18-Z ACHAAD 030DILTSK3EA0E   L010RF       0024203221    25340029    + 02800                 CFBJV K3EAA FS
        SUSAP KOMAK3FH18-Z ACHAAD 040EDUHUK3EA0E   L010RF       0024002534    20520020    + 02300                 CFBQM K3EAA FS
        SUSAP KOMAK3FH18-Z ACHAAD 050TMBERK3EA0EE  L051RF       0024002052    17520013    + 02000                 CFBQM K3EAA FS
        SUSAP KOMAK3FH18-Z AJAKKI 010JAKKIK3EA0E  B    IF                                  + 05000     18000210              A-FS
        SUSAP KOMAK3FH18-Z AJAKKI 020QBERTK3EA0E    010TF                                  + 04000                           A FS
        SUSAP KOMAK3FH18-Z AJAKKI 030SNRUBK3EA0E   R010RF       0024203563    07700034    + 03000                 CFBJW K3EAA FS
        SUSAP KOMAK3FH18-Z AJAKKI 040YIRUTK3EA0E   R010RF       0024000770    14520029    + 02300                 CFBQP K3EAA FS
        SUSAP KOMAK3FH18-Z AJAKKI 050TMBERK3EA0EE  R051RF       0024001452    17520013    + 02000                 CFBQP K3EAA FS
        SUSAP KOMAK3FH18-Z ASHUDA 010SHUDAK3EA0E  B    IF                                    04000     18000210              A-FS
        SUSAP KOMAK3FH18-Z ASHUDA 020SNRUBK3EA0E    010TF                                  + 03000                           A FS
        SUSAP KOMAK3FH18-Z ASHUDA 030YIRUTK3EA0E   R010RF       0024000770    14520029    + 02300                 CFBQP K3EAA FS
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 981	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: **EPPLEY AIRFIELD**	**RNAV**	**RNAV (RNP) Z RWY 18, 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 KOMAK3FH18-Z ASHUDA 040TMBERK3EA0EE  R051RF       0024001452    17520013    + 02000                 CFBQP K3EAA FS
SUSAP KOMAK3FH18-Z ATASKY 010TASKYK3EA0E  A    IF                                    04000     18000                 A FS
SUSAP KOMAK3FH18-Z ATASKY 020OGYAHK3EA0E    010TF                                  + 03300                           A FS
SUSAP KOMAK3FH18-Z ATASKY 030GEEKRK3EA0E  B 010TF                                  + 02600                           A FS
SUSAP KOMAK3FH18-Z ATASKY 040TMBERK3EA0EE   031TF                                  + 02000                           A FS
SUSAP KOMAK3FH18-Z AWOODA 010WOODAK3EA0E  B    IF                                    04000     18000210              A-FS
SUSAP KOMAK3FH18-Z AWOODA 020DILTSK3EA0E    010TF                                  + 02800                           A FS
SUSAP KOMAK3FH18-Z AWOODA 030EDUHUK3EA0E   L010RF       0024002534    20520020    + 02300                 CFBQM K3EAA FS
SUSAP KOMAK3FH18-Z AWOODA 040TMBERK3EA0EE  L051RF       0024002052    17520013    + 02000                 CFBQM K3EAA FS
SUSAP KOMAK3FH18-Z H      020TMBERK3EA1E  F    IF                                  + 02000     18000       RW18  K3PGA FS
SUSAP KOMAK3FH18-Z H      020TMBERK3EA2W                                                A031A152                     FS
SUSAP KOMAK3FH18-Z H      030RW18 K3PG0GY M 031TF                                    01032             -300          A FS
SUSAP KOMAK3FH18-Z H      040CIVIVK3EA0EYM  010TF                                  + 03000                           A FS
SUSAP KOMAK3FH18-Z H      050CIVIVK3EA0EE  R   HM                     35520040    + 03000                           A FS
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOMAK3GRW18    0081531752 N41184668W095534024+0000    +02713009810139511 50IIPPY1
```

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOMAK3SRW18 K3PG                0   18018003925                                                                        M
```

QUALITY CHECKED 7

CITY AND STATE	ELEVATION: 984 THRE: 981	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 18, 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
	CHAAD	CHAAD	010		IF		FB				AA 05000	AB 210
	CHAAD	FLIPN	020		TF		FB	1.0			AT 04000	
	CHAAD	DILTS	030		RF	L	FB	1.0		002.9	AA 02800	
	CHAAD	EDUHU	040		RF	L	FB	1.0		002.0	AA 02300	
	CHAAD	TMBER	050		RF	L	FB	0.5		001.3	AA 02000	
	JAKKI	JAKKI	010		IF		FB				AA 05000	AB 210
	JAKKI	QBERT	020		TF		FB	1.0			AA 04000	
	JAKKI	SNRUB	030		RF	R	FB	1.0		003.4	AA 03000	
	JAKKI	YIRUT	040		RF	R	FB	1.0		002.9	AA 02300	
	JAKKI	TMBER	050		RF	R	FB	0.5		001.3	AA 02000	
	SHUDA	SHUDA	010		IF		FB				AT 04000	AB 210
	SHUDA	SNRUB	020		TF		FB	1.0			AA 03000	
	SHUDA	YIRUT	030		RF	R	FB	1.0		002.9	AA 02300	
	SHUDA	TMBER	040		RF	R	FB	0.5		001.3	AA 02000	
	TASKY	TASKY	010	IAF	IF		FB				AT 04000	
	TASKY	OGYAH	020		TF		FB	1.0			AA 03300	
	TASKY	GEEKR	030		TF		FB	1.0			AA 02600	
	TASKY	TMBER	040		TF		FB	0.3			AA 02000	
	WOODA	WOODA	010		IF		FB				AT 04000	AB 210
	WOODA	DILTS	020		TF		FB	1.0			AA 02800	
	WOODA	EDUHU	030		RF	L	FB	1.0		002.0	AA 02300	
	WOODA	TMBER	040		RF	L	FB	0.5		001.3	AA 02000	
		TMBER	020	FAF	IF		FB				AA 02000	
		RW18	030	MAP	TF		FO	0.3			AT 01032	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CIVIV	040		TF		FO	1.0			AA 03000	
	CIVIV	050		HM	R	FO		355.2(000.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CFBJV	N412147.36	W0955027.81	N4121.789	W09550.464
	CFBJW	N412148.41	W0955650.39	N4121.807	W09556.840
	CFBQM	N412148.54	W0955028.11	N4121.809	W09550.469
	CFBQP	N412149.60	W0955650.59	N4121.827	W09556.843
	CHAAD	N411943.54	W0954451.53	N4119.726	W09544.859
	CIVIV	N410527.11	W0955344.11	N4105.452	W09553.735
	DILTS	N412409.62	W0955106.95	N4124.160	W09551.116
	EDUHU	N412301.00	W0955313.43	N4123.017	W09553.224
	FLIPN	N412306.37	W0954745.96	N4123.106	W09547.766
	GEEKR	N412449.14	W0955338.48	N4124.819	W09553.641

QUALITY CHECKED

CITY AND STATE	ELEVATION: 984 THRE: 981	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: **EPPLEY AIRFIELD**	**RNAV**	**RNAV (RNP) Z RWY 18, 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.

JAKKI	N411849.87	W0960008.79	N4118.831	W09600.147
OGYAH	N412721.02	W0955337.74	N4127.350	W09553.629
QBERT	N412151.77	W0960003.17	N4121.863	W09600.053
SHUDA	N412347.16	W0960113.98	N4123.786	W09601.233
SNRUB	N412412.27	W0955717.21	N4124.205	W09557.287
TASKY	N413017.04	W0955336.87	N4130.284	W09553.615
TMBER	N412149.11	W0955339.35	N4121.819	W09553.656
WOODA	N412501.81	W0954531.15	N4125.030	W09545.519
YIRUT	N412301.14	W0955404.57	N4123.019	W09554.076
RW18	N411846.68	W0955340.24	N4118.778	W09553.671

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW18	00981	51

QUALITY CHECKED 7

CITY AND STATE	ELEVATION: 984 THRE: 981	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
OMAHA, NE	AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 18, 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	TASKY	OGYAH	1. AAO	412930.00N/0955154.00W	1523 (4E)	1000	AC98 AT679	3300
(RNP 1.00)			2. TERRAIN	412930.00N/0955154.00W	1323 (1300)		AS1500	2800
INITIAL: STEPDOWN	OGYAH	GEEKR	3. AAO	412457.00N/0955118.00W	1483 (4E)	1000	AC98	2600
(RNP 1.00)			4. TERRAIN	412703.00N/0955154.00W	1283 (1300)		AS1000	2300
INTERMEDIATE	GEEKR	TMBER	5. AAO	412406.00N/0955251.00W	1195 (4E)	500	AC98	1800
(RNP 0.30)			6. TERRAIN	412409.00N/0955251.00W	995 (1000)		AS1000	2000
INTERMEDIATE	JAKKI	QBERT	7. TOWER (31-000362)	411825.00N/0960138.00W	2548 (4D)	500	AC50 AT902	4000
(RNP 1.00)			8. TERRAIN	412045.00N/0960133.00W	1319 (1300)		AS1500	2800
INTERMEDIATE: STEPDOWN	QBERT	SNRUB	9. TOWER (31-000587)	412339.00N/0955833.00W	1807 (1A)	500	AC3 AT690	3000
(RNP 1.00)			10. TERRAIN	412321.00N/0960203.00W	1326 (1300)		AS1000	2300
INTERMEDIATE: STEPDOWN	SNRUB	YIRUT	11. AAO	412415.00N/0955206.00W	1460 (4E)	500	AC98	2100
(RNP 1.00)			12. TERRAIN	412415.00N/0955206.00W	1260 (1300)		AS1000	2300
INTERMEDIATE: STEPDOWN	YIRUT	TMBER	13. AAO	412157.00N/0955218.00W	1195 (4E)	500	AC98	1800
(RNP 0.50)			14. TERRAIN	412148.00N/0955224.00W	1001 (1000)		AS1000	2000

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: RW18

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (19-000450)	081/ 28.9	2836 (5D)	3900					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OMAHA, NE	ELEVATION: 984 AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 18, ORIG	ACE

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: 981.2
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 51.0

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; 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: 05/07/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

THRESHOLD DISPLACED 139 FT.

VDP NOT ESTABLISHED - RNP PROCEDURE.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/51.8

WAIVER: FAAO 8260.52 PARA 2.4 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 YIRUT TO TMBER - 210 KIAS.
MAX SPEED SNRUB TO YIRUT - 210 KIAS.
MAX SPEED QBERT TO SNRUB - 210 KIAS.
MAX SPEED EDUHU TO TMBER - 210 KIAS.
MAX SPEED DILTS TO EDUHU - 210 KIAS.
MAX SPEED FLIPN TO DILTS - 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:
998 POLE (KOMAL283) (2C) 411859.14N/0955337.42W (7.05)
999 TERRAIN (KOMAL278) (2C) 411900.84N/0955336.29W (2.98)
992 NAVAID (KOMAL243) (2C) 411857.99N/0955340.18W (4.50)
1002 NAVAID (KOMAL010) (1B) 411858.89N/0955345.52W (0.98)

RF SEGMENT RADIUS/BANK ANGLE COMPUTATIONS:

SEGMENT	ALT	KIAS	KTAS	HAA	*VKTW	TR	BA
YIRUT-TMBER	2315	210	219.72	1330.7	30	2.40	20.76
SNRUB-YIRUT	3027.5	210	222.72	2043.2	52	2.40	24.64
QBERT-SNRUB	4000	210	226.80	3015.7	51	2.42	24.95
EDUHU-TMBER	2315	210	219.72	1330.7	30	2.40	20.76
DILTS-EDUHU	2817.5	210	221.83	1833.2	30	2.40	21.08
FLIPN-DILTS	4000	210	226.80	3015.7	51	2.42	24.95

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

CONT.

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	SHUDA	SNRUB	9. TOWER (31-000587)	412339.00N/0955833.00W	1807 (1A)	500	AC3 AT690	3000
(RNP 1.00)			15. TERRAIN	412236.00N/0960024.00W	1319 (1300)		AS1000	2300
INTERMEDIATE	CHAAD	FLIPN	16. AAO	412100.00N/0954739.00W	1562 (4E)	500	AC98 AT1840	4000
(RNP 1.00)			17. TERRAIN	412100.00N/0954739.00W	1362 (1400)		AS1500	2900
INTERMEDIATE: STEPDOWN	FLIPN	DILTS	18. AAO	412227.00N/0954615.00W	1496 (4E)	500	AC98	2100
(RNP 1.00)			19. TERRAIN	412457.00N/0955121.00W	1283 (1300)		AS1500	2800
INTERMEDIATE: STEPDOWN	DILTS	EDUHU	3. AAO	412457.00N/0955118.00W	1483 (4E)	500	AC98	2100
(RNP 1.00)			19. TERRAIN	412457.00N/0955121.00W	1283 (1300)		AS1000	2300
INTERMEDIATE: STEPDOWN	EDUHU	TMBER	13. AAO	412157.00N/0955218.00W	1195 (4E)	500	AC98	1800
(RNP 0.50)			14. TERRAIN	412148.00N/0955224.00W	1001 (1000)		AS1000	2000
INTERMEDIATE	WOODA	DILTS	20. AAO	412248.00N/0954639.00W	1487 (4E)	500	AC98	2100
(RNP 1.00)			21. TERRAIN	412248.00N/0954642.00W	1287 (1300)		AS1500	2800
FINAL: RNP 0.15	TMBER	RW18	22. TREE (KOMAL015)	411922.09N/0955404.40W	1081 (2C)	21.74:1	AC20 MA23	1340/359
FINAL: RNP 0.30	TMBER	RW18	23. TREE (KOMAL227)	412010.50N/0955254.39W	1224 (2C)	21.71:1	AC20 MA36	1575/594

3. MISSED APPROACH	
MAP:	
ELEV:	

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

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

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

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
OMAHA, NE	ELEVATION: 984 AIRPORT NAME: EPPLEY AIRFIELD	RNAV	RNAV (RNP) Z RWY 18, ORIG	ACE

QUALITY RECORD

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.

CONT.

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.
MISSED APPROACH	DA	RW18	24. TREE (KOMAL138)	411922.91N/0955407.41W	1080 (2C)	ASC	AC20	
(RNP 0.15-1.00)		40:1	25. TREE (KOMAL016)	411923.38N/0955410.85W	1086 (2C)	ASC	AC20	
MISSED APPROACH	DA	RW18	26. TREE (KOMAL088)	412015.25N/0955257.09W	1221 (2C)	ASC	AC20	
(RNP 0.30-1.00)		40:1						
MISSED APPROACH	RW18	CIVIV				ASC		
(RNP 0.15-1.00)		40:1						
MISSED APPROACH	RW18	CIVIV				ASC		
(RNP 0.30-1.00)		40:1						

3. MISSED APPROACH									
	MAP:	DA / DA	CIVIV				ASC		3000
				27. TOWER (31-001036)	411532.43N/0955616.72W	1696 (5D)	1000	AC50	2800
	ELEV:	1077/1232		28. TERRAIN	410954.00N/0955357.00W	1234 (1200)		AS1500	2700

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

5. MINIMUM SAFE ALTITUDES

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

PRIMARY NAVAID:

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 18, 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:
CONTINUED.

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBJV **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412147.36N/0955027.81W **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 18			KOMA	OMAHA	NE (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/12/2012 **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: CFBJW **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412148.41N/0955650.39W **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 18			KOMA	OMAHA	NE (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/12/2012 **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: CFBQM **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412148.54N/0955028.11W **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 18			KOMA	OMAHA	NE (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBQP **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412149.60N/0955650.59W **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 18			KOMA	OMAHA	NE (US)

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHAAD **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411943.54N/0954451.53W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIVIV **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 410527.11N/0955344.11W **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	S		WP	175.21	355.21	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	410736.00N/0954748.00W	1516	4E

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 18		1	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 36		1	KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 18		1	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.
CHANGED HOLDING PAT 1 LEG LENGTH DME FROM 5 TO 4.
ADDED PRECIPITOUS TERRAIN EVALUATION REMARK.
CHANGED HOLDING PAT 1 CONTROLLING OBSTACLE COORDINATES.

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: DILTS **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412409.62N/0955106.95W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: EDUHU **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412301.00N/0955313.43W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: FLIPN **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412306.37N/0954745.96W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: GEEKR **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412449.14N/0955338.48W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: JAKKI **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 411849.87N/0960008.79W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: OGYAH **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412721.02N/0955337.74W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: QBERT **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412151.77N/0960003.17W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: SHUDA **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412347.16N/0960113.98W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SNRUB **STATE:** NE **COUNTRY:** US

LATITUDE/LONGITUDE: 412412.27N/0955717.21W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TASKY **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 413017.04N/0955336.87W **TYPE:** WP, 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-PPY	LOC/DME		355.21	000.21	12.99	12.99		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	N		WP	355.21	175.21	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	412930.00N/0955154.00W	1549	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
I-PPY DME COORDINATES: 411717.51N/0955346.08W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC/DME RWY 18	1		KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 18		1	KOMA	OMAHA	NE (US)
IAP	RNAV (GPS) Y RWY 36		1	KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 18			KOMA	OMAHA	NE (US)
IAP	RNAV (RNP) Z RWY 36		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.
ADDED FAC 1 DIST FROM FAC 12.99 NM.
DELETED FAC 2 DATA.
ADDED HOLDING PATTERN LIMIT RESTRICTION.
ADDED PRECIPITOUS TERRAIN EVALUATION REMARK.
MODIFIED HOLDING PAT 1 OBSTRUCTION DESCRIPTION.
CHANGED FAC 1 MAA FROM 17500 TO 5400.

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:

RADIO FIX AND HOLDING DATA RECORD

NAME: TMBER **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412149.11N/0955339.35W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WOODA **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412501.81N/0954531.15W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: YIRUT **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412301.14N/0955404.57W **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 18			KOMA	OMAHA	NE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/07/2012 **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, OMA ATCT
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 18** 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 **3.67**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **2.00**
   (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 **1001**
5. Distance from **THLD** to 1500' point **5.55**
   (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 **1260**
9. Threshold Coordinates (if straight-in) ... ***411846.68N / 0955340.24W**
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 ..... **412149.11N / 0955339.35W**

REMARKS: Approach/Drawing attached.
1000' PT (412245.21N/0955354.15W) IN RF SEGMENT YIRUT (412301.14N/0955404.57W) TO TMBER (412149.11N/0955339.35W)
1500' PT (412354.63N/0955515.53W) IN RF SEGMENT SNRUB (412412.27N/0955717.21W) TO YIRUT (412301.14N/0955404.57W)
RF CTR PT CFBQP (412149.60N/0955650.59W). ARC RADIUS 2.40NM. *DISPLACED THLD. 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 18** 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 **3.67**
   (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 **180.21**
4. High Terrain in **INTERMEDIATE** segment containing 1000' point **995**
5. Distance from **THLD** to 1500' point **5.24**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **1.20**
7. True Course of **INTERMEDIATE** segment containing 1500' point **180.21**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **995**
9. Threshold Coordinates (if straight-in) ... ***411846.68N / 0955340.24W**
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 ..... **412149.11N / 0955339.35W**

REMARKS: Approach/Drawing attached.

1000' PT (412246.74N/0955339.07W) IN TF SEGMENT GEEKR (412449.14N/0955338.48W) TO TMBER (412149.11N/0955339.35W)
1500' PT (412420.99N/0955338.61W) IN TF SEGMENT GEEKR (412449.14N/0955338.48W) TO TMBER (412149.11N/0955339.35W)
***DISPLACED THLD. THIS IS AIRSPACE FORM 1 OF 3.**

TERMINAL AIRSPACE DATA REQUIREMENTS

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

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

PROCEDURE: **RNAV (RNP) Z RWY 18** 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 **3.67**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **INTERMEDIATE** segment at 1000' point **2.00**
   (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 **1001**
5. Distance from **THLD** to 1500' point **5.55**
   (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 **1283**
9. Threshold Coordinates (if straight-in) ... ***411846.68N / 0955340.24W**
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 ..... **412149.11N / 0955339.35W**

REMARKS: Approach/Drawing attached.
1000' PT (412244.43N/0955324.40W) IN RF SEGMENT EDUHU (412301.00N/0955313.43W) TO TMBER (412149.11N/0955339.35W)
1500' PT (412354.09N/0955201.95W) IN RF SEGMENT DILTS (412409.62N/0955106.95W) TO EDUHU (412301.00N/0955313.43W)
RF CTR PT CFBQM (412148.54N/0955028.11W). ARC ADIUS 2.40NM. *DISPLACED THLD. THIS IS AIRSPACE FORM 3 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 18, 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 YIRUT TO TMBER 20.76 DEGREES.
SEGMENT SNRUB TO YIRUT 24.64 DEGREES.
SEGMENT QBERT TO SNRUB 24.95 DEGREES.
SEGMENT EDUHU TO TMBER 20.76 DEGREES.
SEGMENT DILTS TO EDUHU 21.08 DEGREES.
SEGMENT FLIPN TO DILTS 24.95 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 18, 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, TWO SEGMENTS EXCEED 318 FT/NM. SEGMENT JAKKI TO QBERT DESCENT GRADIENT 326.8 FT/NM. JAKKI TO PFAF 285 FT/NM. SEGMENT SHUDA TO SNRUB DESCENT GRADIENT 333.33 FT/NM. SHUDA TO PFAF 281 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 BOTH ROUTES FROM THE BEGINNING ALTITUDES TO THE PFAF ALTITUDE IS LESS THAN 318 FT/NM AT 285 AND 281 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)

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:	981.2
Glidepath Angle:	3
TCH:	51
RNP Value:	0.30
Δ ISA:	-30.087

Straight In Segment

(Wingspan =<262) **LTP to Origin:**	3,946.08'
(Wingspan =<136) **LTP to Origin:**	3,729.00'
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:	981.2	
ACT:	-24.00°C	
Min Glidepath Angle	2.75°	
NA Below	-17.05°C	1.31°F
NA Above	45.71°C	114.28°F

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	981.20
TCH (ft)	51.00
OCS Slope	21.71
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,946.08
Obstacle Distance (ft) *(measured along-track from LTP)*	32,497.70
VEB ROC *(at obstacle)*	**445**
Glidepath MSL altitude at Obstacle	2,760.64
OCS MSL altitude at Obstacle	2,315.87

RW18