

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> PHILIP BILLARD MUNI	<u>AIRPORT ID</u> KTOP	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> TOPEKA	<u>STATE</u> KS
<u>AIRPORT ELEVATION</u> 881	<u>TDZE</u> 881	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 10/16/2014	<u>MAG VAR</u> 5E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 11 OCTOBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 267/30 CW 087/30	NOPT	WOSMO	IF/IAF	3600
2. 087/30 CW 177/30		TUCJA	IAF	3600
3. 177/30 CW 267/30		ZUDKI	IAF	3600

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
TUCJA	IAF	WOSMO	NOPT	TF	FB	1.00	086.56	8.00	3600
ZUDKI	IAF	WOSMO	NOPT	TF	FB	1.00	266.78	8.00	3600
WOSMO	IF/IAF	VECUL		TF	FB	1.00	356.67	5.92	2600
VECUL	FAF	OYUPU/2.10 NM TO RW36		TF	FB	0.30	356.67	3.18	
OYUPU/2.10 NM TO RW36		RW36	MAP	TF	FO	0.30	356.67	2.10	
RW36	MAP	1254 MSL		CA					
1254 MSL		GUKEC		DF	FO	1.00			3600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3600 DIRECT GUKEC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD S WOSMO, RT, 356.67 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 356.67 **FAF:** VECUL **DIST FAF TO MAP:** 5.28 **DIST FAF TO THLD:** 5.28
- 4. **MIN ALT:** WOSMO 3600, VECUL 2600, OYUPU/2.10 NM TO RW36 1580*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **373 HAT:** 1.05 **GS ANT:**
- 6. **MIN GP INCPT:** 2600 **GP ALT AT FAF :** VECUL 2600 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 37.4
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C OR ABOVE 54C.
 *LNAV ONLY

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 WAAS CHANNEL #99634
 REFERENCE PATH ID: W36A
 CHART FAS OBST: 1150 TOWER 390144N/0953718W.
 HOLD N, RT, 176.68 INBOUND
 LTP HAE: 237.1 M

MINIMUMS:

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

ALTERNATE: NA STANDARD

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	1254	1 1/4	373	1254	1 1/4	373	1254	1 1/4	373		NA					
LNAV/VNAV DA	1394	1 3/4	513	1394	1 3/4	513	1394	1 3/4	513		NA					
LNAV MDA	1460	1	579	1460	1	579	1460	1 5/8	579		NA					
CIRCLING	1460	1	579	1460	1	579	1600	2	719		NA					



CHANGES - REASONS

1. DELETED CHART NOTE: DME/DME RNP-0.3 NA - 8260.19H, PARA 1-1-5F(14), REMOVED THE REQUIREMENT FOR THIS NOTE.
2. ADDED PBN EQUIPMENT REQUIREMENTS NOTE "RNP APCH" - EQUIPMENT REQUIREMENTS NOTE APPLIED PER 8260.58A, CHANGE 1.
3. DELETED CHART NOTE "CIRCLING TO RWY 4/22 NA - RWY HAS BEEN PERMANENTLY CLOSED.
4. CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" TO "RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - UPDATED NOTE NOW IDENTIFIES RWY.
5. DELETED CHART NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TOPEKA RGNL ALTIMETER SETTING AND INCREASE ALL DA 45 FEET AND ALL MDA 60 FEET. INCREASE LPV ALL CATS VISIBILITY 1/8 MILE. INCREASE LNAV/VNAV ALL CATS AND LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE" - NOTE REMOVED AND MADE CONTINGENCY NOTE ON BACK OF -9.
6. CHANGED NOTE CHANGED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C(-2F) OR ABOVE 54C(130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C OR ABOVE 54C. - UPDATE REMOVED REQUIREMENT FOR FAHRENHEIT TEMPERATURES TO BE PUBLISHED.
7. ADDED 20:1 CLEAR TO LINE 7 - THE STATUS OF BOTH 20:1 AND 34:1 SURFACES NEEDS TO BE SHOWN.
8. ADDED MAXIMUM HOLDING 6000 AT WOSMO - UPDATED FORMS REQUIRED TO SHOW MAXIMUM HOLDING ALTITUDES AT THE HOLD-IN-LIEU.
9. DELETED CHART NOTE "BARO-VNAV NA WHEN USING TOPEKA RGNL ALTIMETER SETTING - NOTE REMOVED TO BACK OF -9 FORM AND MADE CONTINGENCY NOTE.
10. CHANGES FROM T-NOTAM 8/9141 AND P-NOTAM FOR AMDT 1A INCORPORATED INTO FORM - IAW 8260-19H PARA 8-3-4C(3).

PDF EDIT 6/11/18: JAMES LAFFERTY, REMOVED LPV MISSED APPROACH PENETRATING OBSTACLE FROM BOTH LNAV/VNAV AND LNAV MISSED APPROACH SECTIONS.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZKC, AIRPORT MANAGER, TOP ATCT

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

OFFICE *Digitally signed by* DATE

DAVID TEFFETELLER

Aug 01, 2018

DEVELOPED BY

JAMES LAFFERTY

Digitally signed by

JAMES LAFFERTY

Jul 02, 2018

OFFICE

AJV-5433

DATE

06/11/2018

APPROVED BY

PATRICK MULQUEEN

Digitally signed by

DAVID TEFFETELLER

Aug 01, 2018

OFFICE

AJV-5430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTOP
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	390341.8205N
LTP/FTP LONGITUDE	0953728.7845W
LTP/FTP ELLIPSOIDAL HEIGHT	+02371
FPAP LATITUDE	390510.9650N
FPAP LONGITUDE	0953725.4525W
THRESHOLD CROSSING HEIGHT (TCH)	00037.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1432
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER C4D4369D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02684
FPAP ORTHOMETRIC HEIGHT	+02684

