

**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 18	<u>ORIGINAL/AMENDMENT</u> 2B	<u>CITY</u> TOPEKA	<u>STATE</u> KS
<u>AIRPORT ELEVATION</u> 881	<u>TDZE</u> 881	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 2A	<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. 087/30 CW 267/30	NOPT	GUKEC	IF/IAF	3600
2. 267/30 CW 357/30		ZESIR	IAF	3600
3. 357/30 CW 087/30		YERUV	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>
YERUV	IAF	GUKEC	NOPT	TF	FB	1.00	086.57	8.00	3600
ZESIR	IAF	GUKEC	NOPT	TF	FB	1.00	266.78	8.00	3600
GUKEC	IF/IAF	HUNON		TF	FB	1.00	176.68	6.11	2700
HUNON	FAF	TICOS/2.30 NM TO RW18		TF	FB	0.30	176.67	3.31	
TICOS/2.30 NM TO RW18		RW18	MAP	TF	FO	0.30	176.67	2.30	
RW18	MAP	1500 MSL		CA					1500
1500 MSL		GUKEC		DF	FO	1.00			3600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3600 DIRECT GUKEC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD N GUKEC, RT, 176.68 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 176.67 **FAF:** HUNON **DIST FAF TO MAP:** 5.61 **DIST FAF TO THLD:** 5.61
- 4. **MIN ALT:** GUKEC 3600, HUNON 2700, TICOS/2.30 NM TO RW18 1640*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **293 HAT:** 0.81 **GS ANT:**
- 6. **MIN GP INCPT:** 2700 **GP ALT AT FAF :** HUNON 2700 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 35.0
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C OR ABOVE 54C.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.27 NM TO RW18*
*LNAV ONLY
WAAS CHANNEL #53634
REFERENCE PATH ID: W18A
CHART FAS OBST: 1061 TREE 390611N/0953702W.
LTP HAE: 236.8 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	1174	1	293	1174	1	293	1174	1	293		NA					
LNAV/VNAV DA	1340	1 5/8	459	1340	1 5/8	459	1340	1 5/8	459		NA					
LNAV MDA	1320	1	439	1320	1	439	1320	1 1/4	439		NA					
CIRCLING	1360	1	479	1440	1	559	1600	2	719		NA					



CHANGES - REASONS

1. ADDED PBN REQUIREMENTS NOTE: RNP APCH - EQUIPMENT REQUIREMENTS NOTE APPLIED PER 8260.58A, CHANGE 1 AND 8260.19H, PARA 8-6-8B(1)
2. DELETED NOTE: "DME/DME RNP-0.3 NA" - IAW 8260.19H, PARA 1-1-5F(14), REMOVED THE REQUIREMENT FOR THIS NOTE.
3. DELETED CHART NOTE: CIRCLING TO RWY 4/22 NA - RWY 4/22 PERMANENTLY CLOSED.
4. 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 AND LNAV/VNAV ALL CATS VISIBILITY 1/8. INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE - NOTE MADE CONTINGENCY NOTE ON BACK OF -9 FORM.
5. CHANGED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA" TO "RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - UPDATED NOTE NOW INCLUDES RWY IDENTIFIER.
6. CHANGED CHART NOTE 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 - NEW NOTE FORMAT REMOVED REQUIREMENT FOR FAHRENHEIT VALUES TO BE PUBLISHED.
7. ADDED "20:1 CLEAR" TO LINE 7 - NEW CRITERIA REQUIRES STATUS OF BOTH THE 20:1 AND 34:1 SURFACES AREAS BE SHOWN.
8. ADDED MAXIMUM HOLDING 6000 AT GUKEC - UPDATED FORMS REQUIRED TO SHOW MAXIMUM HOLDING ALTITUDES AT THE HOLD-IN-LIEU.
9. DELETED CHART NOTE: BARO-VNAV AND VDP NA WHEN USING TOPEKA RGNL ALTIMETER SETTING - NOTE NOW CONTINGENCY NOTE ON BACK OF -9 FORM.
10. CHANGES FROM T-NOTAM 8/9141 AND P-NOTAM FOR AMDT 2 A 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, AMGR, 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

Digitally signed by

JAMES LAFFERTY

JAMES LAFFERTY

Jul 02, 2018

OFFICE

AJV-5433

DATE

06/08/2018

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	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	390424.6120N
LTP/FTP LONGITUDE	0953727.1780W
LTP/FTP ELLIPSOIDAL HEIGHT	+02368
FPAP LATITUDE	390255.4670N
FPAP LONGITUDE	0953730.5100W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
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	979DD2D3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02682
FPAP ORTHOMETRIC HEIGHT	+02682

