

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 ID</u> K57	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> TARKIO	<u>STATE</u> MO		
<u>AIRPORT ELEVATION</u> 916	<u>TDZE</u> 916	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 09/25/2008	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 10/07/2021	<u>CANCEL/SUSPEND</u>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 268/30 CW 088/30	NOPT	IDOYE	IF/IAF	3000
2. 088/30 CW 178/30		GAVTE	IAF	3000
3. 178/30 CW 268/30		HADUR	IAF	3000

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GAVTE	IAF	IDOYE	NOPT	TF	FB	1.00	087.67	6.65	3000
HADUR	IAF	IDOYE	NOPT	TF	FB	1.00	267.85	6.65	3000
IDOYE	IF/IAF	DEGCE		TF	FB	1.00	357.76	5.91	2700
DEGCE	FAF	ECIPO/2.60 NM TO RW36		TF	FB	0.30	357.75	2.88	
ECIPO/2.60 NM TO RW36		RW36	MAP	TF	FO	0.30	357.75	2.60	
RW36	MAP	1316 MSL		CA			357.75		
1316 MSL		JAKOK		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LNAV: RW36

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT JAKOK AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD S IDOYE, RT, 357.76 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 6000.

3. FAC: 357.75FAF: DEGCEDIST FAF TO MAP: 5.48DIST FAF TO THLD: 5.48

4. MIN ALT: IDOYE 3000, DEGCE 2700, ECIPO/2.60 NM TO RW36 1780

5. DIST TO THLD FROM FAF: 5.48MM:IM:150 HAT:GS ANT:MM:IM:

6. MIN GP INCPT:GP ALT AT FAF :OM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: CIRCLING RWY 18 NA AT NIGHT.  
CHART NOTE: USE SHENANDOAH ALTIMETER SETTING; WHEN NOT RECEIVED, USE CLARINDA ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET.

ADDITIONAL FLIGHT DATA:

CHART: SHENANDOAH AWOS-3.  
HOLD N, RT, 177.75 INBOUND.  
CHART FAS OBST: 1097 TRANSMISSION LINE (29-073766) 402358N/0952206W.  
CHART 1122 TREE 402338N/0952117W.  
CHART CIRCLING ICON.  
DEGCE TO RW36: 3.00/40.

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

ALTERNATE: NA ☒

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	1460	1	544	1460	1	544	1460	1 5/8	544		NA				
CIRCLING	1520	1	604	1540	1	624	1680	2 1/4	764		NA				

**CHANGES - REASONS**

1. UPDATED LINE 3 FAC FROM 357.76 TO 357.75.- FAF RELOCATED.
2. REMOVED LPV AND LNAV/VNAV MINIMUMS.- VGS PENETRATIONS.
3. REMOVED CHART NOTE "BARO-VNAV NA".- LNAV/VNAV REMOVED.
4. REMOVED FEEDERS COVUT AND KARMA PER FPT.
5. ADDED TAA PER FPT.
6. ADDED CHART NOTE "CIRCLING RWY 18 NA AT NIGHT".- 20:1 PENETRATIONS TO RWY 18.
7. UPDATED CHART NOTE "VISIBILITY REDUCTION BY HELICOPTERS NA" TO "RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED".- 8260.19I 8-6-11.K(3).
8. UPDATED CHART NOTE "DME/DME RNP-0.3 NA" TO "RNP APCH - GPS".- 8260.19I 8-6-8.B(2).
9. REMOVED "\*LNAV ONLY".- 8260.19I 8-6-10.M.
10. CHART FAS OBST CHANGED FROM 1179 100' TREE 402401N/0952136W AND 984 TREE 402601N/0952209W TO 1097 TRANSMISSION LINE (29-073766) 402358N/0952206W.- UPDATED OBSTACLE EVALUATION.
11. LNAV MINIMUMS CAT A/B 1480/1/568 CAT C 1480/1 1/2/568 CHANGED TO CAT A/B 1460/1/544 CAT C 1460/1 5/8/544, CIRCLING MINIMUMS CAT A 1520/1/607 CAT B 1540/1/627 CAT C 1540/1 3/4/627 CHANGED TO CAT A 1520/1/604 CAT B 1540/1/624 CAT C 1680/2 1/4/764.- UPDATED OBSTACLE EVALUATION AND NEW CIRCLING CRITERIA APPLIED AND UPDATED TDZE AND AIRPORT ELEVATION.
12. ADDED CHART CIRCLING ICON.- 8260.3 2-7-1 NEW CIRCLING CRITERIA APPLIED.
13. UPDATED CHART NOTE "USE SHENANDOAH ALTIMETER SETTING; IF NOT RECEIVED, USE CLARINDA ALTIMETER SETTING AND INCREASE ALL DAS 13 FEET/MDAS 20 FEET, AND LNAV/VNAV CATS A/B/C VISIBILITY 1/4 MILE." TO "USE SHENANDOAH ALTIMETER SETTING; WHEN NOT RECEIVED, USE CLARINDA ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET.- UPDATED OBSTACLE EVALUATION.
14. REMOVED NOTES "WAAS CHANNEL # 50206" AND "REFERENCE PATH ID: W36A".- LPV MINIMUMS REMOVED.
15. DELETED LINE 7 GS ANGLE 3.00 AND TCH 40.- LPV AND LNAV/VNAV MINIMUMS REMOVED.
16. AIRPORT ELEVATION CHANGED FROM 913 TO 916, AND TDZE CHANGED FROM 912 TO 916.- UPDATED AIRNAV DATA.
17. IAF'S GAVTE AND HADUR COURSE/DISTANCE CHANGED FROM 087.69/5.00 AND 267.83/5.00 TO 087.67/6.65 AND 267.85/6.65.- UPDATED AIRNAV DATA AND TARGETS EVALUATION.
18. IDOYE TO DEGCE DISTANCE CHANGED FROM 6.01 TO 5.91.- UPDATED AIRNAV DATA AND TARGETS EVALUATION.
19. DEGCE TO ECIPO DISTANCE CHANGED FROM 2.81 TO 2.88.- UPDATED AIRNAV DATA AND TARGETS EVALUATION.
19. ADDED TERMINAL ROUTES FROM FAF DEGCE TO JAKOK.- UPDATED 8260.3 FORMS.
20. ADDED "MAX 6000" TO PROFILE LINE 2. - 8260.19I 8-6-7.B(2).
21. PROFILE LINE 3 DIST FAF TO MAP AND DIST FAF TO THLD CHANGED FROM 5.41 TO 5.48.- UPDATED AIRNAV DATA AND TARGETS EVALUATION.
22. PROFILE LINE 4 CHANGED FROM ECIPO/2.60 NM TO RW36 1780\* TO ECIPO/2.60 NM TO RW36 1780.- ASTERISK FOR \*LNAV ONLY REMOVED.
23. ADDED PROFILE LINE 5 DIST TO THLD FROM FAF 5.48.- 8260.19I 8-6-7.E.
24. DELETED DISTANCE TO THLD FROM 368 HAT.- LPV MINIMUMS REMOVED.
25. DELETED PROFILE LINE 6 MIN GS INCPT: 2700 GS ALT AT: DEGCE.- LPV MINIMUMS REMOVED.
26. ADDED PROFILE LINE 7 20:1 IS CLEAR.- 8260.19I 8-6-7.G(3).
27. DELETED PROFILE LINE 8 MSA FROM: RW36 2900 .- MSA REPLACED WITH TAA.
28. ADDED ADDITIONAL FLIGHT DATA NOTE "DEGCE TO RW36: 3.00/40."- 8260.19I 8-6-10.O(1).
29. ADDED CHART 1122 TREE 402338N/0952117W.- NEW 7:1 OBSTACLE IN FINAL STEPDOWN SEGMENT.
30. UPDATED "CHART: SHENANDOAH AWOS-3, 125.525." TO "CHART: SHENANDOAH AWOS-3."- 8260.19I 8-2-4.B(3).
31. DELETED ADDITIONAL FLIGHT DATA ENTRY CHART: MIRL RWY 18-36.- NO LONGER REQUIRED.

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, MO STATE AERO, AMGR

**FLIGHT CHECKED BY**

*Digitally signed by*

**OFFICE**

**DATE**

PENDING

**DONALD H LANIER**

FICO

Jul 08, 2021

**DEVELOPED BY**

*Digitally signed by*

**OFFICE**

**DATE**

DONALD H. LANIER (TIA FERONTI)

AJV-A432

06/18/2021

**DONALD H LANIER**

**APPROVED BY**

Jul 08, 2021

**OFFICE**

**DATE**

**TITLE**  
MANAGER

LONNIE EVERHART

*Digitally signed by*

AJV-A430

**DONALD H LANIER**

Jul 08, 2021



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
K57	RNAV (GPS) RWY 36	1	TARKIO	MO	916	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM  
268/30 CW 088/30

TO  
IDOYE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (20-000502)	395443.00N/0954828.00W	1810	500	50	5D	1000				AT190	3000
TERRAIN	395657.00N/0955242.00W	1384 (1400)								AS1500	2900

COMPUTATIONS

ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM  
088/30 CW 178/30

TO  
GAVTE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (31-000657)	401229.00N/0961153.00W		1828	500	50	5D	1000				AT172	3000
TERRAIN	402112.00N/0960739.00W		1328 (1300)								AS1500	2800

COMPUTATIONS

ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM  
178/30 CW 268/30

TO  
HADUR

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (29-062683)	401708.83N/0945654.45W		1787	250	50	4D	1000				AT213	3000
TERRAIN	402712.00N/0945415.00W		1227 (1200)								AS1500	2700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

INITIAL

FROM  
GAVTE

TO  
IDOYE

<u>RNP</u>	<u>DISTANCE</u> 6.65	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	401436.00N/0953130.00W		1424	164	98	4E	1000				AT576	3000
TERRAIN	401412.00N/0953054.00W		1197 (1200)								AS1500	2700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



INITIAL

FROM  
HADUR

TO  
IDOYE

RNP	DISTANCE 6.65	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (29-020066)	401308.57N/0952229.69W		1410	500	50	5D	1000				AT590	3000
TERRAIN	401318.00N/0952242.00W		1128 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM  
IDOYE (IF/IAF)

TO  
DEGCE

RNP	DISTANCE 5.91	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (29-002159)	401352.00N/0952244.00W		1399	50	20	2C	500				AT801	2700
TERRAIN	401418.00N/0952409.00W		1131 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

DEGCE

TO

ECIPO/2.60 NM TO RW36

<u>RNP</u>	<u>DISTANCE</u> 2.88	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>				<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	402139.79N/0952205.28W		1300	50	20	2C	250				RA71 DG159	1780

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

ECIPO/2.60 NM TO RW36

TO

RW36

<u>RNP</u>	<u>DISTANCE</u> 2.60	<u>PAT</u>	<u>MAP</u> RW36	<u>HAT</u> 544				<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TRANSMISSION LINE (29-073766)	402358.19N/0952206.25W		1097	250	50	4D	250				RA51 AC50	1460

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM  
IDOYE

TO  
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (29-020066)	401308.57N/0952229.69W		1410	500	50	5D	1000				AT590	3000
TERRAIN	401418.00N/0952409.00W		1131 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM  
RW36

TO  
JAKOK

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1309					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
WINDMILL (29-076351)	403358.87N/0952026.15W		1726	250	50	4D	1000					2800
TERRAIN	403824.00N/0952321.00W		1171 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:





CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
WATER_TOWER (29-055213)	402642.07N/0952337.16W	1.30	604	1165	20	10	1B	300		RA51	1520
CATEGORY B											
100' TREE	402536.28N/0951956.03W	1.84	624	1179	50	20	2C	300		RA51	1540
CATEGORY C											
TOWER (29-000302)	402454.00N/0952354.80W	2.89	764	1260	250	50	4D	300		RA51 AC50	1680

CIRCLING REMARKS:

CENTERRADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZMP ARTCC, COU FSS

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KSDA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSDA	<u>DISTANCE</u> 18.47	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 51
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KICL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KICL	<u>DISTANCE</u> 22.751	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 64

WX REMARKS:  
RASS PRESSURE PATTERNS THE SAME  
KK57 916, KSDA 971  
RA = 50.3

RASS PRESSURE PATTERNS THE SAME  
KK57 916, KICL 996  
RA = 63.6

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW18 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	
RW36 - MIRL (PCL), PAPI-2L (PCL)		NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 40.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RW18
20:1	



AIRPORT ID K57	PROCEDURE NAME RNAV (GPS) RWY 36	AMDT NO. 1	CITY TARKIO	STATE MO	AIRPORT ELEVATION 916	FACILITY RNAV
1018 TREE (29-055459) 402720.39N/0952157.48W (16.62)	1012 TREE (29-055488) 402719.54N/0952158.20W (14.96)					
1040 TREE (29-055472) 402725.25N/0952158.60W (14.09)	1039 TREE (29-055748) 402725.12N/0952159.01W (13.77)					
1041 TREE (29-055165) 402725.63N/0952158.77W (13.18)	1041 TREE (29-055209) 402725.65N/0952158.63W (13.07)					
1040 TREE (29-073363) 402725.52N/0952159.66W (12.78)	1012 TREE (29-055204) 402720.25N/0952158.52W (11.38)					
1018 TREE (29-055139) 402721.52N/0952202.28W (11.15)	1010 TREE (29-055862) 402719.94N/0952157.55W (10.9)					
1021 TREE (29-055698) 402722.17N/0952202.13W (10.85)	1038 TREE (29-073256) 402725.55N/0952159.22W (10.6)					
1036 TREE (29-055286) 402725.16N/0952158.49W (10.54)	1035 TREE (29-055096) 402725.06N/0952159.21W (10.08)					
1043 TREE (29-055446) 402726.64N/0952158.70W (10.06)	1022 TREE (29-055119) 402722.54N/0952201.81W (9.97)					
1037 TREE (29-055436) 402725.50N/0952158.86W (9.84)	1019 TREE (29-055636) 402721.98N/0952202.44W (9.83)					
1034 TREE (29-055069) 402724.96N/0952158.77W (9.57)	1020 TREE (29-055643) 402722.29N/0952201.53W (9.22)					
1029 TREE (29-055097) 402724.14N/0952159.34W (8.74)	1004 TREE (29-055494) 402719.30N/0952158.38W (8.18)					
1018 TREE (29-073346) 402722.11N/0952201.89W (8.15)	1003 TREE (29-055916) 402719.15N/0952158.42W (7.94)					
1017 TREE (29-055371) 402721.96N/0952202.17W (7.92)	1007 TREE (29-055581) 402719.95N/0952158.10W (7.88)					
1037 TREE (29-054984) 402725.90N/0952159.36W (7.84)	1022 TREE (29-073326) 402722.96N/0952201.26W (7.81)					
1042 TREE (29-054880) 402726.89N/0952157.72W (7.75)	1002 TREE (29-055498) 402718.99N/0952157.66W (7.71)					
1042 TREE (29-055377) 402726.91N/0952157.76W (7.65)	1040 TREE (29-073241) 402726.55N/0952158.60W (7.51)					
1027 TREE (29-054940) 402724.00N/0952200.51W (7.51)	1037 TREE (29-073304) 402725.99N/0952156.97W (7.26)					
1022 TREE (29-055929) 402723.17N/0952200.82W (6.73)	1034 TREE (29-055474) 402725.53N/0952159.36W (6.71)					
1029 TREE (29-073297) 402724.60N/0952159.45W (6.42)	1029 TREE (29-054957) 402724.69N/0952159.40W (5.96)					
1003 TREE (29-073396) 402719.56N/0952158.61W (5.88)	1006 TREE (29-055501) 402720.19N/0952159.60W (5.74)					
1006 TREE (29-073229) 402720.18N/0952157.62W (5.69)	1028 TREE (29-073382) 402724.61N/0952159.06W (5.35)					
1001 TREE (29-056005) 402719.27N/0952158.15W (5.32)	1024 TREE (29-056065) 402723.84N/0952200.44W (5.32)					
1033 TREE (29-055172) 402725.62N/0952157.87W (5.18)	1034 TREE (29-055202) 402725.82N/0952157.88W (5.17)					
1020 TREE (29-054978) 402723.12N/0952201.02W (4.99)	1016 TREE (29-055397) 402722.34N/0952202.07W (4.99)					
1005 TREE (29-055835) 402720.25N/0952204.10W (4.67)	1022 TREE (29-073354) 402723.65N/0952200.79W (4.3)					
1004 TREE (29-055638) 402720.08N/0952158.68W (4.25)	1010 TREE (29-055561) 402721.30N/0952202.06W (4.25)					
1033 TREE (29-055195) 402725.80N/0952157.49W (4.25)	1016 TREE (29-055755) 402722.49N/0952201.59W (4.21)					
1037 TREE (29-055600) 402726.64N/0952159.79W (4.12)	1005 TREE (29-055361) 402720.34N/0952158.29W (3.92)					
1037 TREE (29-055214) 402726.68N/0952159.61W (3.91)	1011 TREE (29-055151) 402721.57N/0952201.75W (3.87)					



AIRPORT ID		PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
K57		RNAV (GPS) RWY 36	1	TARKIO	MO	916	RNAV
1018 TREE (29-054894) 402722.95N/0952200.82W (3.84)				1003 TREE (29-073375) 402719.99N/0952159.87W (3.77)			
1004 TREE (29-055132) 402720.25N/0952157.84W (3.35)				940 TREE (29-054887) 402707.71N/0952159.43W (2.88)			
1029 TREE (29-055193) 402725.32N/0952200.20W (2.82)				1011 TREE (29-055002) 402721.81N/0952201.99W (2.67)			
1024 TREE (29-054956) 402724.38N/0952159.74W (2.55)				1002 TREE (29-055010) 402720.09N/0952201.01W (2.32)			
1012 TREE (29-055289) 402722.08N/0952201.37W (2.27)				1033 TREE (29-055109) 402726.23N/0952159.87W (2.2)			
1034 TREE (29-073394) 402726.45N/0952159.99W (2.09)				1015 TREE (29-073335) 402722.73N/0952201.37W (1.98)			
938 TREE (29-073323) 402707.54N/0952201.51W (1.84)				1011 TREE (29-055036) 402722.03N/0952202.65W (1.59)			
1033 TREE (29-073390) 402726.36N/0952157.76W (1.43)				1014 TREE (29-055231) 402722.65N/0952200.95W (1.36)			
1008 TREE (29-055015) 402721.50N/0952202.57W (1.27)				1001 TREE (29-055086) 402720.13N/0952202.20W (1.18)			
1021 TREE (29-073329) 402724.06N/0952159.59W (1.16)				1001 TREE (29-054988) 402720.16N/0952203.60W (1.1)			
1025 TREE (29-054958) 402724.87N/0952200.15W (1.09)				1027 TREE (29-073340) 402725.27N/0952159.36W (1.03)			
1014 TREE (29-055029) 402722.74N/0952201.11W (0.92)				1034 TREE (29-055148) 402726.70N/0952158.48W (0.75)			
1001 TREE (29-055290) 402720.21N/0952201.58W (0.74)				1017 TREE (29-055240) 402723.39N/0952201.45W (0.65)			
1000 TREE (29-073327) 402720.02N/0952159.59W (0.6)				1029 TREE (29-055074) 402725.77N/0952156.92W (0.37)			
1018 TREE (29-055599) 402723.69N/0952200.23W (0.07)				1027 TREE (29-055270) 402725.45N/0952157.68W (0.03)			
Final Type	LNAV						
34:1							
1013 TREE (29-055922) 402604.48N/0952205.07W (39.84)				1007 TREE (29-054787) 402604.49N/0952205.06W (33.87)			
1010 TREE (29-055594) 402600.72N/0952209.22W (25.52)				1008 TREE (29-054802) 402600.76N/0952209.14W (23.64)			
996 TREE (29-055652) 402604.47N/0952205.73W (22.79)				995 TREE (29-054785) 402604.12N/0952205.74W (20.75)			
995 TREE (29-055991) 402604.12N/0952205.74W (20.75)				981 TRANSMISSION_LINE (29-075851) 402608.44N/0952206.75W (19.57)			
970 TRANSMISSION_LINE (29-075853) 402611.83N/0952206.77W (18.66)				965 POLE (29-054622) 402613.27N/0952207.33W (17.93)			
969 POLE (29-027096) 402611.82N/0952206.77W (17.63)				1004 TREE (29-054822) 402559.35N/0952204.87W (15.58)			
1004 TREE (29-055169) 402559.35N/0952204.87W (15.58)				985 TRANSMISSION_LINE (29-074447) 402605.05N/0952206.74W (13.48)			
995 TREE (29-055373) 402600.87N/0952156.04W (11.36)				990 TREE (29-054823) 402602.51N/0952156.77W (11.22)			
971 TREE (29-056060) 402608.78N/0952157.40W (10.87)				971 TREE (29-054792) 402608.78N/0952157.40W (10.87)			
996 TREE (29-054820) 402600.28N/0952202.98W (10.4)				972 TREE (29-054791) 402606.77N/0952201.04W (5.77)			
967 POLE (29-048513) 402608.43N/0952206.74W (5.54)				993 TREE (29-054821) 402559.29N/0952203.07W (4.45)			
949 POLE (29-027095) 402613.95N/0952206.78W (3.97)				990 TREE (29-054819) 402600.01N/0952203.06W (3.59)			

QUALITY

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<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
K57	RNAV (GPS) RWY 36	1	TARKIO	MO	916	RNAV
948 POLE (29-054625) 402613.95N/0952206.78W (2.97)			973 TREE (29-055746) 402605.42N/0952201.97W (2.73)			
989 TREE (29-073387) 402600.01N/0952203.06W (2.59)			969 TREE (29-073243) 402606.63N/0952201.00W (2.36)			
990 TREE (29-073248) 402559.41N/0952203.44W (1.8)			971 TREE (29-055440) 402605.72N/0952159.36W (1.7)			
995 TREE (29-055467) 402557.41N/0952156.28W (1.06)			970 TREE (29-054797) 402605.72N/0952159.36W (0.7)			
973 TREE (29-055539) 402604.57N/0952206.21W (0.07)						

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or  
**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

PENETRATIONS REMARKS:

**PART C: GENERAL REMARKS:**  
VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1, REMOTE PRIMARY ALTIMETER.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
VEGETATION HEIGHT: 100 FEET.  
VGS: NA FOR NPA LINES OF MINIMA.  
ORDER 8260.3 CHAPTER 2 APPLIED TO 1122 TREE (29-055555) 402338.12N/0952116.52W.  
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.48
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	000.75
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1100
DISTANCE FROM	THLD	TO 1500FT POINT	5.28
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.08
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	000.75
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1100

THRESHOLD  
COORDINATES  
(IF STR-IN) 402625.97N/0952202.61W

ARP COORDINATES 402643.76N/0952202.30W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP RUNWAY 36 DISTANCE 0.30 NM

FAF  
COORDINATES 402057.01N/0952208.28W

FIX NAME  
COORDINATES IAF GAVTE: 401507.10N/0953055.54W, IAF HADUR: 401456.51N/0951333.40W, IF/IAF IDOYE: 401502.13N/0952214.46W

REMARKS  
NO ADDITIONAL AIRSPACE REQUIRED



PART E: PREPARED BY

<u>NAME</u> DONALD H. LANIER (TIA FERONTI)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 06/18/2021	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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