

**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> KUKT	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> QUAKERTOWN	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 525	<u>TDZE</u> 525	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 10/10/2019	<u>MAG VAR</u> 12W	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 2 DECEMBER 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
HIKES		CACRA		TF	FO	1.00	098.04	21.76	2400
DIRPE	IAF	CACRA	NOPT	TF	FB	1.00	251.52	7.88	2400
CACRA	IF/IAF	CILDA		TF	FB	1.00	291.00	6.66	1900
CILDA	FAF	DUNVE/1.90 NM TO RW29		TF	FB	0.30	290.91	2.36	
DUNVE/1.90 NM TO RW29		RW29	MAP	TF	FO	0.30	290.91	1.90	
RW29	MAP	1000 MSL		CA			290.91		1000
1000 MSL		CACRA		DF	FO	1.00			2400

MISSED APPROACH

MAP:

LP: RW29
LNAV: RW29

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000, THEN CLIMBING LEFT TURN TO 2400 DIRECT CACRA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD E CACRA, LT, 291.00 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 5000.

3. FAF: 290.91FAF: CILDADIST FAF TO MAP: 4.26DIST FAF TO THLD: 4.26

4. MIN ALT: CACRA 2400, CILDA 1900, DUNVE/1.90 NM TO RW29 1140

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

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

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

8. MSA FROM: RW29 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 11 NA AT NIGHT.
CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HIKES ON V276 NORTHWEST BOUND AND V29-408 NORTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DIRPE ON V403 EASTBOUND.

ADDITIONAL FLIGHT DATA:

CHART FAS OBST: 662 TOWER (42-024513) 402526N/0752100W, 623 TREE (42-051183) 402549N/0752153W.
1059 AAO 402434N/0751737W, 1019 AAO 402453N/0751731W.
WAAS CHANNEL # 61228
REFERENCE PATH ID: W29A
CHART CIRCLING ICON.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
LTP HAE: 119.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LP MDA	920	1	395	920	1	395	920	1 1/8	395		NA				
LNAV MDA	960	1	435	960	1	435	960	1 1/4	435		NA				
CIRCLING	1040	1	515	1080	1	555	1220	2	695		NA				

QUALITY
10
CHECKED

CHANGES - REASONS

1. CHANGED PBN REQUIREMENTS NOTE FROM RNP APCH TO RNP APCH-GPS - IAW 8260.19I 8-6-8 C(2)(A).
2. PROFILE LINE 7 CHANGED 20:1 IS NOT CLEAR TO 20:1: IS CLEAR" - IAW 8260.19I PARA 8-6-7.G (3).
3. UPDATED CHART NOTE FROM RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 8260.19I, 8-6-11.K (3).
4. REMOVED CHART NOTE PROCEDURE NA AT NIGHT - 20:1 SURFACE IS CLEAR.
5. CHART NOTE ADDED CIRCLING RWY 11 NA AT NIGHT - 20:1 OBSTACLES.
6. ADDED LINE 5 "DIST TO THLD FROM FAF: 4.26" - IAW 8260.19I, 8-6-7.E.
7. ADDED OBSTACLE ID TO FAS OBSTACLES 623 TREE AND 662 TREE - IAW 8260.19, 8-6-10.C.
8. DELETED "CHART: 640 TANK 402555N/0751947W" - NOT REQUIRED/NEW EVALUATION.
9. UPDATED LNAV MDA CAT C VIS FROM 1 3/8 TO 1 1/4 - UPDATED VIS CHECK RESULTS.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZNY, PHL APP CON, AMGR, ATA

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO, 07/07/2021,
SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

OFFICE*Digitally signed by***JOHN BORDY****DATE**

Aug 30, 2021

DEVELOPED BY

JOHN BORDY (JOSHUA DUGAN)

*Digitally signed by***JOHN BORDY**

Aug 30, 2021

OFFICE

AJV-A422

DATE

07/28/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JOHN BORDY**

Aug 30, 2021

OFFICE

AJV-A420

DATE**TITLE**
MANAGER

QUALITY
10
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KUKT
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	402604.3765N
LTP/FTP LONGITUDE	0752236.9455W
LTP/FTP ELLIPSOIDAL HEIGHT	+01194
FPAP LATITUDE	402618.0800N
FPAP LONGITUDE	0752432.2500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1832
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	709BFA58

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01538
FPAP ORTHOMETRIC HEIGHT	+01538

