

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> NORWALK-HURON COUNTY	<u>AIRPORT ID</u> K5A1	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> NORWALK	<u>STATE</u> OH	
<u>AIRPORT ELEVATION</u> 853	<u>TDZE</u> 851	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 06/23/2016	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 16 AUGUST 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 186/30 CW 006/30	NOPT	OFUZU	IF/IAF	3100
2. 006/30 CW 186/30		OFUZU	IF/IAF	3100

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>
OFUZU	IF/IAF	ETOTY		TF	FB	1.00	276.34	6.00	2500
ETOTY	FAF	JOMKU/1.80 NM TO RW28		TF	FB	0.30	276.25	3.25	
JOMKU/1.80 NM TO RW28		RW28	MAP	TF	FO	0.30	276.25	1.80	
RW28	MAP	1253 MSL		CA			276.25		
1253 MSL		JUROL		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LP: RW28
 LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT JUROL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD E OFUZY, RT, 276.34 INBOUND, 3100 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 276.25FAF: ETOTYDIST FAF TO MAP: 5.05DIST FAF TO THLD: 5.05
4. MIN ALT: OFUZY 3100, ETOTY 2500, JOMKU/1.80 NM TO RW28 1460
5. DIST TO THLD FROM OM:MM:IM:150 HAT:HAT:
6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:
7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:
8. MSA FROM:

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH.

NOTES:

CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: USE CLEVELAND-HOPKINS INTL ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
CHART CLEVELAND-HOPKINS INTL ASOS
ETOTY TO RW28: 3.00/40.
WAAS CHANNEL #86835
REFERENCE PATH ID: W28A
CHART FAS OBST: 984 TREE 411431N/0823120W, 1012 TREE 411411N/0823035W.
HOLD W, RT, 096.03 INBOUND
LTP HAE: 224.6 M

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
LP MDA	1320	1	469	1320	1	469	1320	1 3/8	469		NA				
LNAV MDA	1360	1	509	1360	1	509	1360	1 3/8	509		NA				
CIRCLING	1420	1	567	1420	1	567	1440	1 1/2	587		NA				



CHANGES - REASONS

- 1. LNAV MDA INCREASED FROM 1340/489 TO 1360/509 ALL CATS - NEW CONTROLLING OBSTACLE.
- 2. CAT A CIRCLING MDA INCREASED FROM 1400/548 TO 1420/567 - NEW CONTROLLING OBSTACLE.
- 3. DELETED DME/DME RNP-0.3 NA - IAW CURRENT DOCUMENTATION POLICY.
- 4. ADDED PBN EQUIPMENT REQUIREMENTS NOTE: RNP APCH - IAW CURRENT DOCUMENTATION POLICY.
- 5. UPDATED HELICOPTER NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA" TO "RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED." - IAW CURRENT DOCUMENTATION POLICY.
- 6. CIRCLING CAT B HAA CHANGED FROM 568 TO 567 - AIRPORT ELEVATION CHANGED FROM 852 TO 853.
- 7. CIRCLING CAT C HAA CHANGED FROM 588 TO 587 - AIRPORT ELEVATION CHANGED FROM 852 TO 853.
- 8. CRC REMAINDER CHANGED FROM F88311E1 TO EED0A144 - LTP LONGITUDE CHANGED FROM 0823245.5980 TO 0823245.5935.



AIRPORT

NORWALK-HURON COUNTY

AIRPORT ID

K5A1

PROCEDURE NAME

RNAV (GPS) RWY 28

ORIGINAL/AMENDMENT

ORIG-B

CITY

NORWALK

STATE

OH

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOB ARTCC, MFD APP CON, AMGR

FLIGHT CHECKED BY

MARC WEBBER

Digitally signed by

ROBERT G HAMILTON

Jun 25, 2018

OFFICE

FICO

DATE

6/18/18

DEVELOPED BY

CHRIS O'BRIEN

Digitally signed by

CHRISTOPHER P O'BRIEN

May 07, 2018

OFFICE

AJV-5421

DATE

04/30/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Jun 25, 2018

OFFICE

AJV-5420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	5A1
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	411441.1000N
LTP/FTP LONGITUDE	0823245.5935W
LTP/FTP ELLIPSOIDAL HEIGHT	+02246
FPAP LATITUDE	411441.3600N
FPAP LONGITUDE	0823443.7100W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1672
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER	EED0A144
---------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02594
FPAP ORTHOMETRIC HEIGHT	+02594

