

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)NFDD #027
AA

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
TIGRR (RNAV)	FOUR	TIGRR.TIGRR4	THREE	07/16/2020	21 MAR 2024

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
SAVVI	SAVVI.TIGRR4	SAVVI	SAVVI						
			UKATS	270.15	48.14	FL180	2800		
			BOWRR	248.13	21.51	10000	2800		AT/ABOVE FL240
			ORLEE	247.39	20.51	9000	2800		AT/BELOW FL230
			HEDEE	247.16	20.31	9000	2400		
			JARSO	246.84	05.63	8000	2400		
			TIGRR	233.28	10.45	5000	2400		AT/ABOVE 14000
UKATS	UKATS.TIGRR4	UKATS	UKATS						
			BOWRR	248.13	21.51	10000	2800		AT/ABOVE FL240
			ORLEE	247.39	20.51	9000	2800		AT/BELOW FL230
			HEDEE	247.16	20.31	9000	2400		
			JARSO	246.84	05.63	8000	2400		
			TIGRR	233.28	10.45	5000	2400		AT/ABOVE 14000

ARRIVAL ROUTE DESCRIPTION:

FROM TIGRR ON TRACK 232.84/7.05 TO CHARZ, THEN ON TRACK 236.22/3.45 TO CROSS ETROY BETWEEN 9000 AND 11000.

LANDING RWY 9: FROM ETROY ON TRACK 236.19/17.92 TO CROSS BACAS BETWEEN 8000 AND 10000 AND AT 210 KIAS, THEN ON TRACK 250.38/4.42 TO GUUTH, THEN ON TRACK 276.26/5.00 TO CROSS IDULE AT 6000 AND AT 210 KIAS, THEN ON TRACK 276.26. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 18L/C/R: FROM ETROY ON TRACK 265.92/8.50 TO CROSS CRSLY AT 8000, THEN ON TRACK 265.92. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 27: FROM ETROY ON TRACK 198.52/8.20 TO CROSS YEYUP AT 8000, THEN ON TRACK 198.52. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 36L/C/R: FROM ETROY ON TRACK 236.19/17.92 TO CROSS BACAS BETWEEN 8000 AND 10000 AND AT 210 KIAS, THEN ON TRACK 183.96/6.57 TO JANEG, THEN ON TRACK 186.21/3.00 TO CROSS RUPPP AT 6000 AND AT 210 KIAS, THEN ON TRACK 186.21. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: UKATS TRANSITION ONLY FOR USE BY OVERSEAS FLIGHTS OR AIRCRAFT FROM THE CLEVELAND/AKRON-CANTON/PITTSBURGH TERMINAL AREAS WITH FILED ALTITUDES AT OR BELOW FL230.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT JARSO: HOLD NE, RT, 246.84 INBOUND, 10 NM LEGS.

CHART HOLDING AT UKATS: HOLD E, RT, 254.13 INBOUND, 10 NM LEGS.

QUALITY
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CHECKED

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TIGRR (RNAV)	FOUR	TIGRR.TIGRR4	THREE	07/16/2020	21 MAR 2024

COMMUNICATIONS:

CHART: APP CON

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KCVG	COVINGTON	KY

LOST COMMUNICATIONS PREFERENCES:**REMARKS:**

ATC SPECIFICALLY REQUESTS FM LEGS (REQUIRES FO AT TERMINUS); MIGHT CAUSE IAP CONNECTIVITY ISSUES FOR SOME AIRCRAFT (AIRBUS/737).

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

MAG VAR: KCVG 06W/2020

CHART AT IDULE TERMINUS: KCVG LDG RWY 09

CHART AT CRSLY TERMINUS: KCVG LDG RWY 18C/L/R

CHART AT YEYUP TERMINUS: KCVG LDG RWY 27

CHART AT RUPPP TERMINUS: KCVG LDG RWY 36C/L/R

FLIGHT INSPECTED BY:

JEFFREY A FINDLEY

ORGANIZATION: **DATE:**

FPO

02/02/2024

Flight Inspected Signature:

Digitally signed by

BEV L BORDY

Feb 05, 2024

DEVELOPED BY:JEFFREY CHESTER, MANAGER, AIRSPACE AND
PROCEUDRESINDIANAPOLIS
ARTCC.

10/13/2023

Developed By Signature:

Digitally signed by

BEV L BORDY

Feb 05, 2024

APPROVED BY:

MICHAEL R. GARRITY JR.

AJV-A423

Approved By Signature:

Digitally signed by

BEV L BORDY

Feb 05, 2024

CHANGES:

1. REMOVED CTW DME
2. REMOVED APE VORTAC AND CVG VORTAC
3. ADDED HOLDING AT UKATS
4. ADDED HOLDING AT JARSO; REMOVED HOLDING AT TIGRR, HEDEE, AND BOWRR.
5. REMOVED LOST COMMUNICATIONS INSTRUCTIONS.
6. MOVED TIGRR 1.5 NM SW AND ORLEE 11.22 NM NE.
7. ADDED ETROY TO COMMON ROUTE.

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8. RUNWAY TRANSITIONS WITH CODED ALTITUDE AND SPEED RESTRICTIONS CREATED FOR ALL RUNWAYS.
9. ADDED ALTITUDE RESTRICTION AT IDULE TERMINUS FIX (RWY 9).
10. ADDED ALTITUDE RESTRICTION AT RUPPP TERMINUS FIX (RWY 36C/36L/36R).
11. ADDED ALTITUDE RESTRICTION AT CRSLY TERMINUS FIX (RWY 18C/18L/18R).
12. ADDED ALTITUDE RESTRICTION AT YEYUP TERMINUS FIX (RWY 27).
13. ALTITUDE AND SPEED RESTRICTION ADDED AT BACAS (8000-10000, AT 210KTS).
14. ADDED ALTITUDE RESTRICTION AT ETROY (9000-11000).
15. ADDED ALTITUDE RESTRICTION AT TIGRR (AT OR ABOVE 14000).
16. ADDED ALTITUDE RESTRICTION AT ORLEE (AT OR BELOW FL230).
17. ADDED ALTITUDE RESTRICTION AT BOWRR (AT OR ABOVE FL240).
18. REMOVED AIRPORT NAME FROM AIRPORTS SERVED.
19. CHANGED MEA BOWRR-HEDEE FROM 10000 TO 9000.
20. REMOVED ALL "EXPECT" ALTITUDE NOTES.
21. UPDATED REF MAG VAR FROM 4W TO 6W.
22. ADDED MOCA VALUES.
23. ADDED FM LEG REMARK.
24. OVERSEAS FLIGHT PROCEDURE NOTE: CHANGED APE TRANSITION TO UKATS TRANSITION AND ALTITUDE FROM AOB FL220 TO AOB FL230.

REASONS:

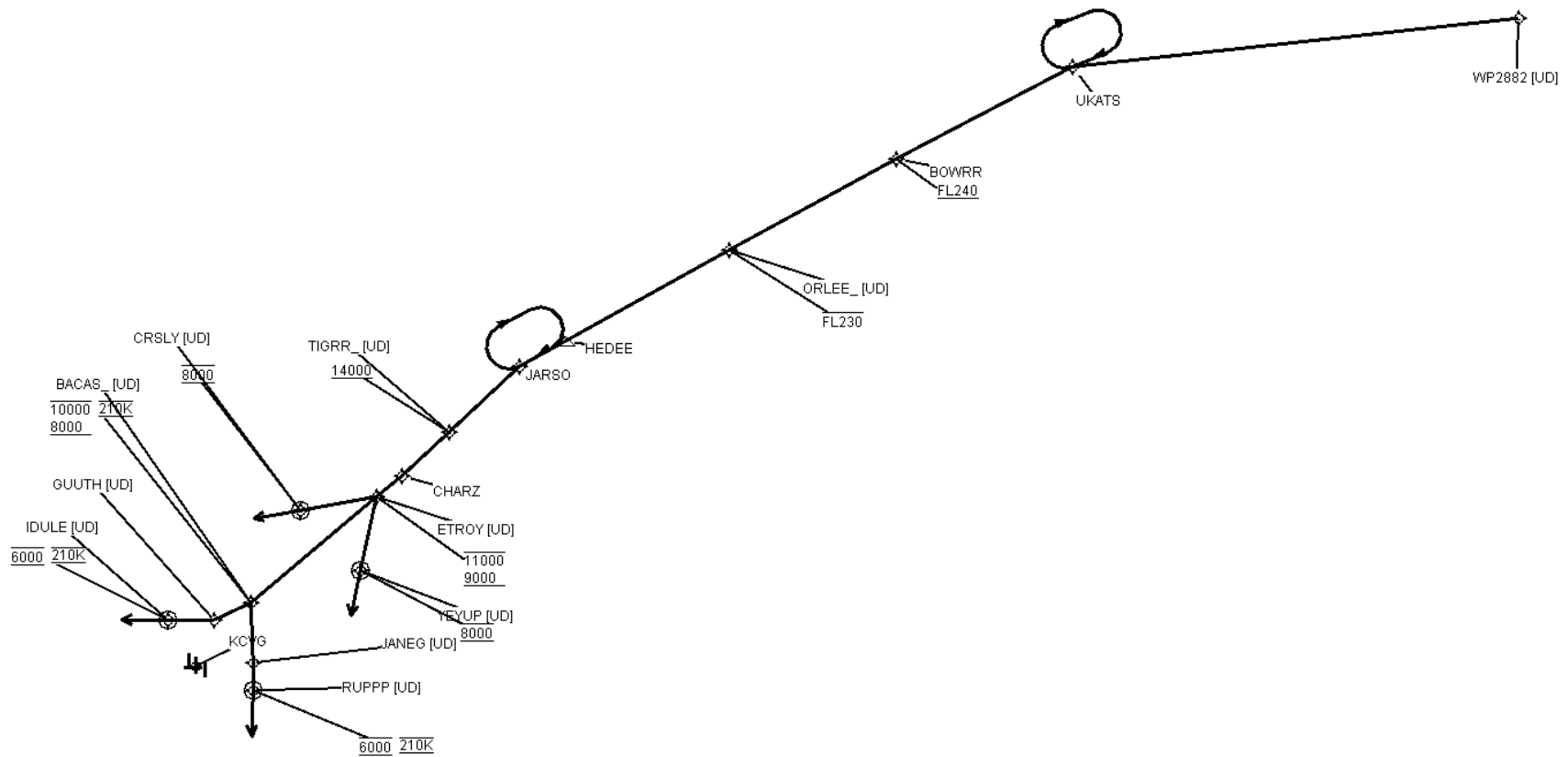
- 1-2. REMOVE GROUND BASED NAVIGATIONAL AIDS.
- 3,4. ATC REQUEST.
- 5, 18, 20. NO LONGER NEEDED.
- 6-17, 24. INCREASE FLIGHT PATH PREDICTABILITY AND EFFICIENCY.
19. UPDATED DME/DME SCREENS.
21. UPDATED AIRPORT MAG VAR ASSESSMENT.
22. UPDATED IAW 8260.46J.
23. AWARENESS OF POTENTIAL IAP CONNECTIVITY ISSUES.

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Graphic Depiction 1					



**FEDERAL AVIATION ADMINISTRATION
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STAR (DATA RECORD)**

Arrival Name TIGRR (RNAV)		Number FOUR		STAR Computer Code TIGRR.TIGRR4		Superseded Number THREE		Dated 07/16/2020	Effective Date 21 MAR 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
SAVVI	401316.21N / 0813445.57W	Y		IF					SAVVI.TIGRR4
UKATS	400804.48N / 0823712.20W	Y	FB	TF	264.15	48.14			
BOWRR	395758.01N / 0830156.48W	Y	FB	TF	242.13	21.51	AT/ABOVE FL240		
ORLEE	394806.00N / 0832518.30W	Y	FB	TF	241.39	20.51	AT/BELOW FL230		
HEDEE	393815.29N / 0834820.22W	Y	FB	TF	241.16	20.31			
JARSO	393530.26N / 0835442.05W	Y	FB	TF	240.84	05.63			
TIGRR	392823.91N / 0840437.14W	Y	FB	TF	227.28	10.45	AT/ABOVE 14000		
En Route Transition									
UKATS	400804.48N / 0823712.20W	Y		IF					UKATS.TIGRR4
BOWRR	395758.01N / 0830156.48W	Y	FB	TF	242.13	21.51	AT/ABOVE FL240		
ORLEE	394806.00N / 0832518.30W	Y	FB	TF	241.39	20.51	AT/BELOW FL230		
HEDEE	393815.29N / 0834820.22W	Y	FB	TF	241.16	20.31			
JARSO	393530.26N / 0835442.05W	Y	FB	TF	240.84	05.63			
TIGRR	392823.91N / 0840437.14W	Y	FB	TF	227.28	10.45	AT/ABOVE 14000		
Common Route									
TIGRR	392823.91N / 0840437.14W	Y		IF			AT/ABOVE 14000		TIGRR.TIGRR4
CHARZ	392334.10N / 0841115.14W	Y	FB	TF	226.84	07.05			
ETROY	392121.33N / 0841440.48W	Y	FB	TF	230.22	03.45	9000B11000		
Runway Transition									
ETROY	392121.33N / 0841440.48W	Y		IF			9000B11000		
BACAS	390950.99N / 0843222.45W	Y	FB	TF	230.19	17.92	8000B10000	AT 210K	
GUUTH	390756.02N / 0843730.02W	Y	FB	TF	244.38	04.42			
IDULE	390757.19N / 0844355.56W	Y	FO	TF	270.26	05.00	AT 6000	AT 210K	
KCVG:RWY 9				FM	270.26				

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<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
Runway Transition									
ETROY	392121.33N / 0841440.48W	Y		IF			9000B11000		
CRSLY	391951.46N / 0842527.56W	Y	FO	TF	259.92	08.50	AT 8000		
KCVG:RWY 18C,RWY 18L,RWY 18R				FM	259.92				
Runway Transition									
ETROY	392121.33N / 0841440.48W	Y		IF			9000B11000		
YEYUP	391320.45N / 0841657.77W	Y	FO	TF	192.52	08.20	AT 8000		
KCVG:RWY 27				FM	192.52				
Runway Transition									
ETROY	392121.33N / 0841440.48W	Y		IF			9000B11000		
BACAS	390950.99N / 0843222.45W	Y	FB	TF	230.19	17.92	8000B10000	AT 210K	
JANEG	390316.70N / 0843204.45W	Y	FB	TF	177.96	06.57			
RUPPP	390016.53N / 0843205.30W	Y	FO	TF	180.21	03.00	AT 6000	AT 210K	
KCVG:RWY 36C,RWY 36L,RWY 36R				FM	180.21				