

FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name JAKTZ (RNAV)	Number TWO	STAR Computer Code JAKTZ.JAKTZ2	Superseded Number ONE	Dated 08/12/2021	Effective Date 23 FEB 2023
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TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
GETTA	GETTA.JAKTZ2	GETTA	GETTA						
			JIMUR	044.15	70.09	10000	2800		AT/ABOVE FL240
			MOAKS	061.08	28.07	10000	2800		
			PODGY	070.58	13.00	10000	2500		BETWEEN 17000 AND FL230
			FISUL	070.74	15.22	9000	2500		BETWEEN 15000 AND FL210
			JAKTZ	070.93	11.99	9000	2400		BETWEEN 10000 AND 16000
JUDDI	JUDDI.JAKTZ2	JUDDI	JUDDI						
			JIMUR	085.63	83.76	10000	2800		AT/ABOVE FL240
			MOAKS	061.08	28.07	10000	2800		
			PODGY	070.58	13.00	10000	2500		BETWEEN 17000 AND FL230
			FISUL	070.74	15.22	9000	2500		BETWEEN 15000 AND FL210
			JAKTZ	070.93	11.99	9000	2400		BETWEEN 10000 AND 16000

ARRIVAL ROUTE DESCRIPTION:

KCMH: FROM JAKTZ ON TRACK 045.06/10.01 TO RSCOT.

LANDING KCMH RWY 10L: FROM RSCOT ON TRACK 031.00/8.88 TO CROSS SHMDT AT 5000, THEN ON TRACK 031.30/2.39 TO WATSU, THEN ON TRACK 038.86/3.23 TO CROSS YUKAN AT 5000 AND AT 210 KIAS, THEN ON TRACK 038.86. EXPECT RNAV (RNP) Z RWY 10L OR RADAR VECTORS TO ILS OR LOC RWY 10L APPROACH.

LANDING KCMH RWY 10R: FROM RSCOT ON TRACK 031.00/8.88 TO CROSS SHMDT AT 5000, THEN ON TRACK 031.30/2.39 TO WATSU, THEN ON TRACK 043.72/2.70 TO CROSS HANTI AT 5000 AND AT 210 KIAS, THEN ON TRACK 043.72. EXPECT RNAV (RNP) Z RWY 10R OR RADAR VECTORS TO ILS OR LOC RWY 10R APPROACH.

LANDING KCMH RWY 28L: FROM RSCOT ON TRACK 063.49/7.10 TO OBETZ, THEN ON TRACK 063.04/4.66 TO CROSS ELUPY BETWEEN 8000 AND 9000, THEN ON TRACK 063.16/5.00 TO CROSS EDWIB AT OR ABOVE 7000, THEN ON TRACK 063.19/3.20 TO GAGBE, THEN ON TRACK 100.90/3.16 TO CROSS JESCE AT 6000 AND AT 210 KIAS, THEN ON TRACK 100.90. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KCMH RWY 28R: FROM RSCOT ON TRACK 063.49/7.10 TO OBETZ, THEN ON TRACK 063.04/4.66 TO CROSS ELUPY BETWEEN 8000 AND 9000, THEN ON TRACK 063.16/5.00 TO CROSS EDWIB AT OR ABOVE 7000, THEN ON TRACK 063.19/3.20 TO GAGBE, THEN ON TRACK 100.90/3.16 TO CROSS JESCE AT 6000 AND AT 210 KIAS, THEN ON TRACK 100.90. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KLCK: FROM JAKTZ ON TRACK 079.76/9.58 TO CROSS PAAPP AT 10000, THEN ON TRACK 079.76. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KOSU: FROM JAKTZ ON TRACK 020.28/13.89 TO CROSS RIBLE AT 10000, THEN ON TRACK 020.28. 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: KCMH LANDING EAST USE RUNWAY 10R TRANSITION.

NOTE: KCMH LANDING WEST USE RUNWAY 28L TRANSITION.



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FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT JAKTZ: HOLD W, LT, 070.93 INBOUND, 15 NM LEGS.
 CHART HOLDING AT JIMUR: HOLD SW, LT, 061.08 INBOUND, 15 NM LEGS.

COMMUNICATIONS:

CHART: COLUMBUS APPROACH CONTROL

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KCMH	COLUMBUS	OH
KOSU	COLUMBUS	OH
KLCK	COLUMBUS	OH

LOST COMMUNICATIONS PREFERENCES:

REMARKS:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
 MAG VAR: KCMH 07W/2015
 CHART AT YUKAN TERMINUS: KCMH LDG RWY 10L
 CHART AT HANTI TERMINUS: KCMH LDG RWY 10R
 CHART AT JESCE TERMINUS: KCMH LDG RWY 28L/R
 CHART AT PAAPP TERMINUS: LDG KLCK
 CHART AT RIBLE TERMINUS: LDG KOSU

FLIGHT INSPECTED BY:

JAMES ONIEAL

ORGANIZATION:

FPO

DATE:

11/07/2022

Flight Inspected Signature: _____

Digitally signed by

DAVID DANNER

Nov 14, 2022

DEVELOPED BY:

JEFFREY CHESTER, AIRSPACE AND PROCEDURES
 MANAGER

INDIANAPOLIS
 ARTCC

07/29/20222

Developed By Signature: _____

Digitally signed by

DAVID DANNER

Nov 14, 2022

APPROVED BY:

PATRICK MULQUEEN

AJV-A440

Approved By Signature: _____

Digitally signed by

DAVID DANNER

Nov 14, 2022



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JAKTZ (RNAV)	TWO	JAKTZ.JAKTZ2	ONE	08/12/2021	23 FEB 2023

CHANGES:

1. ADDED 10,000 ALTITUDE RESTRICTION AT PAAPP
2. ADDED 10,000 ALTITUDE RESTRICTION AT RIBLE
3. REMOVED BOLTON FIELD (KTZR) FROM PROCEDURE
4. ADDED ALTITUDE RESTRICTION AT FISUL 15,000 TO 21,000
5. CHANGED KCMH RWY 10L TRANSITION FROM "...EXPECT RADAR VECTORS TO ILS OR LOC RWY 10L APPROACH" TO "...EXPECT RNAV (RNP) Z RWY 10L OR RADAR VECTORS TO ILS OR LOC RWY 10L APPROACH"
6. CHANGED KCMH RWY 10R TRANSITION FROM "...EXPECT RADAR VECTORS TO ILS OR LOC RWY 10R APPROACH" TO "...EXPECT RNAV (RNP) Z RWY 10R OR RADAR VECTORS TO ILS OR LOC RWY 10R APPROACH"
7. CHANGED KCMH LANDING EAST PROCEDURAL DATA NOTE TO READ 'KCMH AIRCRAFT LANDING EAST USE RUNWAY 10R TRANSITION'
8. CHANGED KCMH LANDING WEST PROCEDURAL DATA NOTE TO READ 'KCMH AIRCRAFT LANDING WEST USE RUNWAY 28L TRANSITION'
9. CHANGED CHART AT YUKAN TERMINUS TO READ KCMH LDG RWY 10L
10. CHANGED CHART AT HANTI TERMINUS TO READ KCMH LDG RWY 10R
11. CHANGED CHART AT JESCE TERMINUS TO READ KCMH LDG RWY28L/R
12. CHANGED CHART AT PAAPP TERMINUS TO READ LDG KLCK
13. CHANGED CHART AT RIBLE TERMINUS TO READ LDG KOSU
14. CHANGED OBETZ-ELUPY COURSE IN KCMH 28L/R TERMINAL ROUTE FROM 063.03 TO 063.04

REASONS:

- 1-2. ELIMINATE CONFUSION FOR PILOTS LANDING OSU AND LCK AND IMPROVE FUNCTIONALITY
3. ATC REQUEST, NO LONGER NEEDED
4. ATC REQUEST TO REDUCE COMPLEXITY AND WORKLOAD FOR PILOTS AND CONTROLLER WORKING DAY ARRIVALS AND CMH ARRIVALS
- 5-6. TRANSITIONS CONNECT TO RNP APPROACHES TO 10L/R
- 7-8. CLARIFY PILOT EXPECTATIONS
- 9-13. 8260.191 4-5-2
14. CALCULATED COURSE BETWEEN THE 2 FIXES

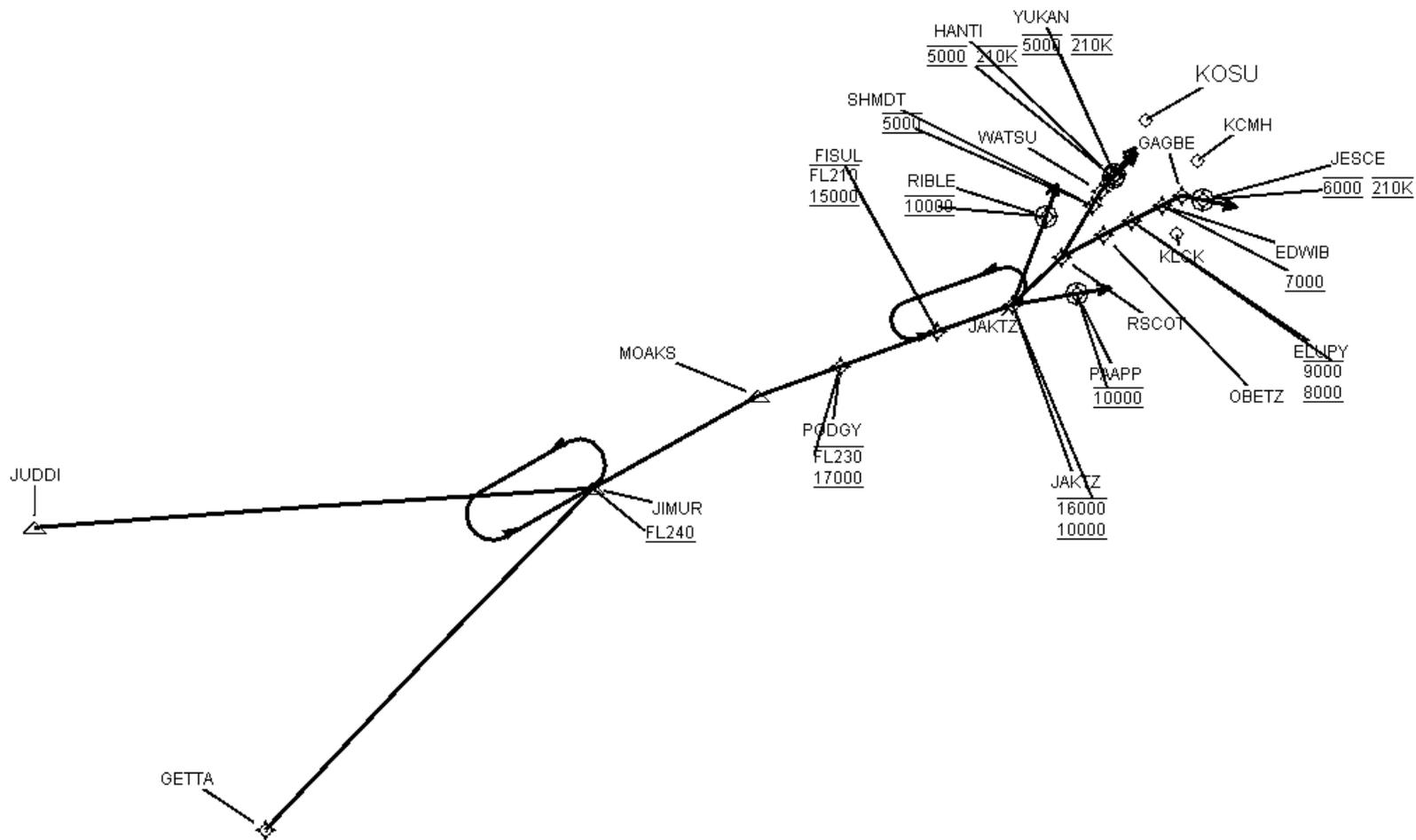


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Graphic Depiction 1



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STAR (DATA RECORD)

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
GETTA	380534.87N / 0853520.40W	Y		IF					GETTA .JAKTZ2
JIMUR	390117.62N / 0844102.13W	Y	FB	TF	037.15	70.09	AT/ABOVE FL240		
MOAKS	391742.68N / 0841145.31W	Y	FB	TF	054.08	28.07			
PODGY	392329.06N / 0835644.27W	Y	FB	TF	063.58	13.00	17000BFL230		
FISUL	393012.05N / 0833906.41W	Y	FB	TF	063.74	15.22	15000BFL210		
JAKTZ	393527.68N / 0832510.51W	Y	FB	TF	063.93	11.99	10000B16000		
En Route Transition									
JUDDI	384533.68N / 0862624.62W	Y		IF					JUDDI.JAKTZ2
JIMUR	390117.62N / 0844102.13W	Y	FB	TF	078.63	83.76	AT/ABOVE FL240		
MOAKS	391742.68N / 0841145.31W	Y	FB	TF	054.08	28.07			
PODGY	392329.06N / 0835644.27W	Y	FB	TF	063.58	13.00	17000BFL230		
FISUL	393012.05N / 0833906.41W	Y	FB	TF	063.74	15.22	15000BFL210		
JAKTZ	393527.68N / 0832510.51W	Y	FB	TF	063.93	11.99	10000B16000		
Common Route									
JAKTZ	393527.68N / 0832510.51W	Y		IF			10000B16000		JAKTZ.JAKTZ2
RSCOT	394320.62N / 0831710.67W	Y	FB	TF	038.06	10.01			
Common Route									
JAKTZ	393527.68N / 0832510.51W	Y		IF			10000B16000		JAKTZ.JAKTZ2
PAAPP	393817.53N / 0831320.26W	Y	FO	TF	072.76	09.58	AT 10000		
KLCK				FM	072.76				
Common Route									
JAKTZ	393527.68N / 0832510.51W	Y		IF			10000B16000		JAKTZ.JAKTZ2
RIBLE	394859.21N / 0832102.07W	Y	FO	TF	013.28	13.89	AT 10000		
KOSU				FM	013.28				



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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									
RSCOT	394320.62N / 0831710.67W	Y		IF					
SHMDT	395127.43N / 0831229.36W	Y	FB	TF	024.00	08.88	AT 5000		
WATSU	395338.24N / 0831112.68W	Y	FB	TF	024.30	02.39			
YUKAN	395622.74N / 0830859.87W	Y	FO	TF	031.86	03.23	AT 5000	AT 210K	
KCMH:RWY 10L				FM	031.86				
Runway Transition									
RSCOT	394320.62N / 0831710.67W	Y		IF					
SHMDT	395127.43N / 0831229.36W	Y	FB	TF	024.00	08.88	AT 5000		
WATSU	395338.24N / 0831112.68W	Y	FB	TF	024.30	02.39			
HANTI	395548.30N / 0830906.63W	Y	FO	TF	036.72	02.70	AT 5000	AT 210K	
KCMH:RWY 10R				FM	036.72				
Runway Transition									
RSCOT	394320.62N / 0831710.67W	Y		IF					
OBETZ	394715.64N / 0830930.17W	Y	FB	TF	056.49	07.10			
ELUPY	394951.86N / 0830429.16W	Y	FB	TF	056.04	04.66	8000B9000		
EDWIB	395238.91N / 0825905.47W	Y	FB	TF	056.16	05.00	AT/ABOVE 7000		
GAGBE	395425.79N / 0825538.17W	Y	FB	TF	056.19	03.20			
JESCE	395412.79N / 0825131.99W	Y	FO	TF	093.90	03.16	AT 6000	AT 210K	
KCMH:RWY 28L				FM	093.90				
Runway Transition									
RSCOT	394320.62N / 0831710.67W	Y		IF					
OBETZ	394715.64N / 0830930.17W	Y	FB	TF	056.49	07.10			
ELUPY	394951.86N / 0830429.16W	Y	FB	TF	056.04	04.66	8000B9000		
EDWIB	395238.91N / 0825905.47W	Y	FB	TF	056.16	05.00	AT/ABOVE 7000		



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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>
GAGBE	395425.79N / 0825538.17W	Y	FB	TF	056.19	03.20			
JESCE	395412.79N / 0825131.99W	Y	FO	TF	093.90	03.16	AT 6000	AT 210K	
KCMH:RWY 28R				FM	093.90				

