

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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.

Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SNKPT (RNAV)	TWO	SNKPT.SNKPT2	ONE	5 Mar 2015	10 NOV 2016

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
ARCAB	ARCAB.SNKPT2	ARCAB	ARCAB						AT/BELOW FL200
			SNKPT	196.97	22.01	4000	2400		BETWEEN 14000 AND FL190
JEDDR	JEDDR.SNKPT2	JEDDR	JEDDR						AT/ABOVE FL240
			DOTKE	272.27	21.68	4000	2500		AT/BELOW FL230
			SNKPT	271.94	10.01	4000	2400		BETWEEN 14000 AND FL190
PLASH	PLASH.SNKPT2	PLASH	PLASH						
			SRGNT	291.47	15.04	4000	2500		AT/ABOVE FL240
			WALKU	291.14	22.71	4000	2700		AT/BELOW FL230
			SNKPT	290.97	10.01	4000	2600		BETWEEN 14000 AND FL190
RINTE	RINTE.SNKPT2	RINTE	RINTE						
			JEDDR	272.58	30.44	4000	2600		AT/ABOVE FL240
			DOTKE	272.27	21.68	4000	2500		AT/BELOW FL230
			SNKPT	271.94	10.01	4000	2400		BETWEEN 14000 AND FL190
SJAAY	SJAAY.SNKPT2	SJAAY	SJAAY						
			ARCAB	197.02	23.45	4000	2300		AT/BELOW FL200
			SNKPT	196.97	22.01	4000	2400		BETWEEN 14000 AND FL190

ARRIVAL ROUTE DESCRIPTION:

FROM SNKPT ON TRACK 245.71/11.86 TO CROSS BABNE BETWEEN 11500 AND 15000 (MEA 3000), THEN ON TRACK 245.93/10.00 TO CCUUK (MEA 3000/MOCA 2400).

LANDING RWY 05L: FROM CCUUK ON TRACK 243.38/12.70 TO CROSS ALCOV BETWEEN 10000 AND 11000 AND AT 250 KIAS (MEA 3000/MOCA 2300), THEN ON TRACK 241.67/11.47 TO CROSS TREC Y AT OR ABOVE 7000 AND AT 230 KIAS (MEA 3000), THEN ON TRACK 242.31/6.02 TO CROSS PETYN AT 6000 AND AT 210 KIAS (MEA 3000/MOCA 2200), THEN ON TRACK 229.23/7.50 TO WANOB (MEA 3000/MOCA 2200), THEN ON TRACK 229.23. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 05R: FROM CCUUK ON TRACK 223.66/12.01 TO CROSS LOVNS BETWEEN 10000 AND 11000 AND AT 250 KIAS (MEA 3000/MOCA 2200), THEN ON TRACK 222.53/11.47 TO CROSS NADEE AT OR ABOVE 7000 AND AT 230 KIAS (MEA 3000), THEN ON TRACK 222.11/6.18 TO CROSS KNIGT AT 6000 AND AT 210 KIAS (MEA 3000), THEN ON TRACK 229.71/7.25 TO DOCEY (MEA 3000/MOCA 2200), THEN ON TRACK 229.71. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 14: FROM CCUUK ON TRACK 234.52/7.77 TO CROSS ARTJR AT OR ABOVE 10000 (MEA 3000/MOCA 2200), THEN ON TRACK 234.44/10.98 TO CROSS WEIER AT OR ABOVE 7000 AND AT 230 KIAS (MEA 3000/MOCA 2200), THEN ON TRACK 229.66/6.01 TO CROSS CRCLE AT 6000 AND AT 210 KIAS (MEA 3000/MOCA 2400), THEN ON TRACK 319.58/6.75 TO ORIKE (MEA 3000/MOCA 2200), THEN ON TRACK 319.58. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 23L: FROM CCUUK ON TRACK 242.89/3.37 TO CROSS FEMGO BETWEEN 8000 AND 9000 (MEA 3000/MOCA 2200), THEN ON TRACK 231.45/13.42 TO CROSS LLARY AT OR ABOVE 5000 AND AT 210 KIAS (MEA 3000/MOCA 2200). EXPECT RNAV(RNP), RNAV(GPS) OR ILS OR LOC RWY 23L OR RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 23R: FROM CCUUK ON TRACK 242.89/3.37 TO CROSS FEMGO BETWEEN 8000 AND 9000 (MEA 3000/MOCA 2200), THEN ON TRACK 234.83/13.52 TO CROSS RACEN AT OR ABOVE 5000 AND AT 210 KIAS (MEA 3000/MOCA 2300). EXPECT RNAV(RNP), RNAV(GPS) OR ILS OR LOC RWY 23R OR RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 32: FROM CCUUK ON TRACK 234.52/7.77 TO CROSS ARTJR AT OR ABOVE 10000 (MEA 3000/MOCA 2200), THEN ON TRACK 234.44/10.98 TO CROSS WEIER AT OR ABOVE 7000 AND AT 230 KIAS (MEA 3000/MOCA 2200), THEN ON TRACK 229.66/6.01 TO CROSS CRCLE AT 6000 AND AT 210 KIAS (MEA 3000), THEN ON TRACK 139.63/6.75 TO ZESIT (MEA 3000), THEN ON TRACK 139.63. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

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SNKPT (RNAV)	TWO	SNKPT.SNKPT2	ONE	5 Mar 2015	10 NOV 2016

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: Expect descend via clearance and landing direction assignment by Indianapolis Center. Approach will assign landing Rwy.

FIXES AND/OR HOLDING PATTERNS:

DOTKE, HOLD E, RT, 272.27 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

IND APP CON, ATIS

AIRPORTS SERVED:

INDIANAPOLIS INTL, INDIANAPOLIS, IN

LOST COMMUNICATIONS PROCEDURE:

CHART LOST COMMUNICATION: IN THE EVENT OF LOST COMMUNICATION PRIOR TO RUNWAY ASSIGNMENT, EXECUTE ILS OR LOC RWY 23R APPROACH.

REMARKS:ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KIND 05W/2015

FLIGHT INSPECTED BY:Edward W Mesa
NameFICO
Organization07/29/2016
DateDigitally signed by
JACOB POWERS
Sep 12, 2016

Signature

DEVELOPED BY:Thomas Dury
NameSupport Manager, Airspace and Procedures,
Indianapolis ARTCC
Organization06/10/2016
Date

For

Digitally signed by
Patrick Mulqueen
SignatureAPPROVED BY:PATRICK MULQUEEN
NameMANAGER, AJV-5442
Organization06/10/2016
Date

For

Digitally signed by
Patrick Mulqueen
SignatureCHANGES:

1. Moved CCUUK WP 3.5 NM SW and ARTJR WP 0.3 NM NW.
2. Changed DOTKE restriction from 17000BFL210 to AT/BELOW FL230.
3. Changed WALKU restriction from 17000BFL270 to AT/BELOW FL230.

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4. Changed SNKPT restriction from AT/ABOVE 15000 to 14000BFL190.
5. Changed BABNE restriction from AT/ABOVE 12000 to 11500B15000.
6. Changed FEMGO restriction from AT/ABOVE 8000 to 8000B9000.
7. Added JEEDR Transition.
8. Add speed restriction of AT 230 KIAS at WEIER WP.
9. Add Lost Communication instructions.
10. Added "Expect descend via" note.
11. Lowered MOCA from 2500 to 2200 on RW05L transition TRECYN-PEYTN.

REASONS:

1. ATC request to better manage vertical profile.
2. ATC request to better manage vertical profile.
3. ATC request to better manage vertical profile.
4. ATC request to better manage vertical profile.
5. ATC request to better manage vertical profile.
6. ATC request to better manage vertical profile.
7. ATC request to allow for increased clearance flexibility.
8. ATC request to manage compression.
9. ATC and industry request to manage crew expectations and provide standard procedures in the event of lost communication.
10. ATC request to mitigate pilot requests for clearance and runway assignments.
11. Lower MOCA supported by obstacle evaluation for this and the original SNKPT ONE.

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STAR (DATA RECORD)

Arrival Name SNKPT (RNAV)		Number TWO		STAR Computer Code SNKPT.SNKPT2		Superseded Number ONE		Dated 5 Mar 2015	Effective Date 10 NOV 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
ARCAB	403546.72N / 0851741.73W	Y		IF			AT/BELOW FL200		ARCAB.SNKPT2
SNKPT	401413.96N / 0852339.21W	Y	FB	TF	191.97	22.01	14000BFL190		
En Route Transition									
JEEDR	401552.17N / 0844218.65W	Y		IF			AT/ABOVE FL240		JEEDR.SNKPT2
DOTKE	401446.75N / 0851035.85W	Y	FB	TF	267.27	21.68	AT/BELOW FL230		
SNKPT	401413.96N / 0852339.21W	Y	FB	TF	266.94	10.01	14000BFL190		
En Route Transition									
PLASH	400059.27N / 0842349.47W	Y		IF					PLASH.SNKPT2
SRGNT	400513.81N / 0844237.20W	Y	FB	TF	286.47	15.04	AT/ABOVE FL240		
WALKU	401129.35N / 0851105.44W	Y	FB	TF	286.14	22.71	AT/BELOW FL230		
SNKPT	401413.96N / 0852339.21W	Y	FB	TF	285.97	10.01	14000BFL190		
En Route Transition									
RINTE	401716.11N / 0840234.51W	Y		IF					RINTE.SNKPT2
JEEDR	401552.17N / 0844218.65W	Y	FB	TF	267.58	30.44	AT/ABOVE FL240		
DOTKE	401446.75N / 0851035.85W	Y	FB	TF	267.27	21.68	AT/BELOW FL230		
SNKPT	401413.96N / 0852339.21W	Y	FB	TF	266.94	10.01	14000BFL190		
En Route Transition									
SJAAY	405844.05N / 0851117.17W	Y		IF					SJAAY.SNKPT2
ARCAB	403546.72N / 0851741.73W	Y	FB	TF	192.02	23.45	AT/BELOW FL200		
SNKPT	401413.96N / 0852339.21W	Y	FB	TF	191.97	22.01	14000BFL190		

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Arrival Name SNKPT (RNAV)	Number TWO	STAR Computer Code SNKPT.SNKPT2	Superseded Number ONE	Dated 5 Mar 2015	Effective Date 10 NOV 2016
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Common Route									
SNKPT	401413.96N / 0852339.21W	Y		IF			14000BFL190		SNKPT.SNKPT2
BABNE	400824.94N / 0853708.24W	Y	FB	TF	240.71	11.86	11500B15000		
CCUUK	400332.62N / 0854831.22W	Y	FB	TF	240.93	10.00			

Runway Transition									
CCUUK	400332.62N / 0854831.22W	Y		IF					
ALCOV	395651.87N / 0860235.01W	Y	FB	TF	238.38	12.70	10000B11000	AT 250K	
TRECY	395032.75N / 0861501.48W	Y	FB	TF	236.67	11.47	AT/ABOVE 7000	AT 230K	
PETYN	394717.16N / 0862136.14W	Y	FB	TF	237.31	06.02	AT 6000	AT 210K	
WANOB	394154.25N / 0862822.81W	Y	FO	TF	224.23	07.50			
KIND:RWY 05L				FM	224.23				RECOMMENDED NAVAID: ROD VORTAC

Runway Transition									
CCUUK	400332.62N / 0854831.22W	Y		IF					
LOVNS	395409.30N / 0855816.04W	Y	FB	TF	218.66	12.01	10000B11000	AT 250K	
NADEE	394502.78N / 0860719.66W	Y	FB	TF	217.53	11.47	AT/ABOVE 7000	AT 230K	
KNIGT	394006.75N / 0861209.40W	Y	FB	TF	217.11	06.18	AT 6000	AT 210K	
DOCEY	393457.16N / 0861845.23W	Y	FO	TF	224.71	07.25			
KIND:RWY 05R				FM	224.71				RECOMMENDED NAVAID: ROD VORTAC

Runway Transition									
CCUUK	400332.62N / 0854831.22W	Y		IF					
ARTJR	395829.48N / 0855612.49W	Y	FB	TF	229.52	07.77	AT/ABOVE 10000		
WEIER	395120.11N / 0860702.56W	Y	FB	TF	229.44	10.98	AT/ABOVE 7000	AT 230K	
CRCLE	394703.29N / 0861231.36W	Y	FB	TF	224.66	06.01	AT 6000	AT 210K	
ORIKE	395147.62N / 0861845.99W	Y	FO	TF	314.58	06.75			
KIND:RWY 14				FM	314.58				RECOMMENDED NAVAID: ROD VORTAC

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STAR (DATA RECORD)

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Runway Transition									
CCUUK	400332.62N / 0854831.22W	Y		IF					
FEMGO	400144.99N / 0855214.19W	Y	FB	TF	237.89	03.37	8000B9000		
LLARY	395229.06N / 0860452.26W	Y	FB	TF	226.45	13.42	AT/ABOVE 5000	AT 210K	
KIND:RWY 23L									
Runway Transition									
CCUUK	400332.62N / 0854831.22W	Y		IF					
FEMGO	400144.99N / 0855214.19W	Y	FB	TF	237.89	03.37	8000B9000		
RACEN	395300.41N / 0860539.73W	Y	FB	TF	229.83	13.52	AT/ABOVE 5000	AT 210K	
KIND:RWY 23R									
Runway Transition									
CCUUK	400332.62N / 0854831.22W	Y		IF					
ARTJR	395829.48N / 0855612.49W	Y	FB	TF	229.52	07.77	AT/ABOVE 10000		
WEIER	395120.11N / 0860702.56W	Y	FB	TF	229.44	10.98	AT/ABOVE 7000	AT 230K	
CRCLE	394703.29N / 0861231.36W	Y	FB	TF	224.66	06.01	AT 6000	AT 210K	
ZESIT	394218.37N / 0860617.90W	Y	FO	TF	134.63	06.75			
KIND:RWY 32				FM	134.63				RECOMMENDED NAVAID: ROD VORTAC