

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
JAKKS (RNAV)	TWO	JAKKS.JAKKS2	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
BRBIE	BRBIE.JAKKS2	BRBIE	BRBIE						
			DNICK	165.67	65.96	4000	2300		
			EMMLY	140.01	13.71	3300	2300		
			JAKKS	134.02	27.13	3000	2300		
DELHI	DELHI.JAKKS2	DELHI	DELHI						
			EARND	167.41	31.95	3300	2500		
			ELANR	177.52	13.52	3300	2200		
			EMMLY	173.51	45.98	3300	2300		
			JAKKS	134.02	27.13	3000	2300		
ELANR	ELANR.JAKKS2	ELANR	ELANR						
			EMMLY	173.51	45.98	3300	2300		
			JAKKS	134.02	27.13	3000	2300		

ARRIVAL ROUTE DESCRIPTION:

FROM JAKKS ON TRACK 138.38/2.00 TO CROSS OPPIE BETWEEN 11000 AND 16000 (MEA 3000/MOCA 2300), THEN ON TRACK 138.41/8.00 TO CROSS ATILE AT OR BELOW 13000 (MEA 3000/MOCA 2300).

LANDING RWY 05L: FROM ATILE ON TRACK 138.49/6.54 TO CROSS BBACK AT OR ABOVE 10000 (MEA 3000/MOCA 2300), THEN ON TRACK 137.93/10.29 TO CROSS CIBOV AT OR ABOVE 7000 AND AT 230 KIAS (MEA 2500), THEN ON TRACK 139.47/5.93 TO CROSS PETYN AT 6000 AND AT 210 KIAS (MEA 2500), THEN ON TRACK 229.23/7.50 TO WANOB (MEA 2500), THEN ON TRACK 229.23. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 05R: FROM ATILE ON TRACK 138.49/6.54 TO CROSS BBACK AT OR ABOVE 10000 (MEA 3000/MOCA 2300), THEN ON TRACK 137.93/10.29 TO CROSS CIBOV AT OR ABOVE 7000 AND AT 230 KIAS (MEA 2500), THEN ON TRACK 139.47/5.93 TO CROSS PETYN AT 6000 AND AT 210 KIAS (MEA 2500), THEN ON TRACK 229.23/7.50 TO WANOB (MEA 2500), THEN ON TRACK 229.23. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 14: FROM ATILE ON TRACK 138.10/14.24 TO AADIE (MEA 2500), THEN ON TRACK 138.10/2.37 TO CROSS KEADY AT OR ABOVE 4000 AND AT 210 KIAS (MEA 2500). EXPECT RNAV(RNP), RNAV(GPS) OR ILS OR LOC RWY 14 OR RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 23L: FROM ATILE ON TRACK 138.49/6.54 TO CROSS BBACK AT OR ABOVE 10000 (MEA 3000/MOCA 2300), THEN ON TRACK 137.93/10.29 TO CROSS CIBOV AT OR ABOVE 7000 AND AT 230 KIAS (MEA 2500), THEN ON TRACK 139.47/5.93 TO CROSS PETYN AT 6000 AND AT 210 KIAS (MEA 2500), THEN ON TRACK 049.95/6.50 TO ZOSAR (MEA 2500), THEN ON TRACK 049.95. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 23R: FROM ATILE ON TRACK 138.49/6.54 TO CROSS BBACK AT OR ABOVE 10000 (MEA 3000/MOCA 2300), THEN ON TRACK 137.93/10.29 TO CROSS CIBOV AT OR ABOVE 7000 AND AT 230 KIAS (MEA 2500), THEN ON TRACK 139.47/5.93 TO CROSS PETYN AT 6000 AND AT 210 KIAS (MEA 2500), THEN ON TRACK 049.95/6.50 TO ZOSAR (MEA 2500), THEN ON TRACK 049.95. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 32: FROM ATILE ON TRACK 138.49/6.54 TO CROSS BBACK AT OR ABOVE 10000 (MEA 3000/MOCA 2300), THEN ON TRACK 151.19/14.69 TO CROSS EBEDE AT OR ABOVE 7000 AND AT 230 KIAS (MEA 2500), THEN ON TRACK 151.29/7.14 TO CROSS PNFLD AT 6000 AND AT 210 KIAS (MEA 2500), THEN ON TRACK 139.49/7.00 TO ZASNI (MEA 2500), THEN ON TRACK 139.49. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

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PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT JAKKS: HOLD NW, RT, 134.02 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:

SCOTT WIEBE

Name

FICO

Organization

07/08/2016

Date

Digitally signed by
JACOB POWERS
Sep 12, 2016

Signature

DEVELOPED BY:

Thomas Dury

Name

Airspace and Procedures Manager, Indianapolis
ARTCC

Organization

06/10/2016

Date

Digitally signed by
Patrick Mulqueen

Signature

APPROVED BY:

Patrick J Mulqueen Jr

Name

Manager, AJV-5442

Organization

06/10/2016

Date

Digitally signed by
Patrick Mulqueen

Signature

CHANGES:

1. Added At/BELOW 13,000 restriction at ATILE.
2. Add speed restriction of 230 KIAS at CIBOV and EBEDE WPs.
3. Add Lost Communication instructions.

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REASONS:

1. ATC request to ensure that aircraft remain clear of ZID airspace and alleviate the need for ZAU point out requests.
2. ATC Request to manage compression.
3. ATC and industry request to manage crew expectations and provide standard procedures in the event of lost communication.

06/16/16: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/10/2016.

1. REMOVED ALL REFERENCES TO A "DESCEND VIA" NOTE IN PROCEDURAL DATA NOTES AND CHANGES/REASONS.

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STAR (DATA RECORD)

Arrival Name JAKKS (RNAV)	Number TWO	STAR Computer Code JAKKS.JAKKS2		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									
BRBIE	413903.00N / 0880121.94W	Y		IF					BRBIE.JAKKS2
DNICK	403643.00N / 0873242.00W	Y	FB	TF	160.67	65.96			
EMMLY	402700.00N / 0872000.00W	Y	FB	TF	135.01	13.71			
JAKKS	400951.25N / 0865230.44W	Y	FB	TF	129.02	27.13			
En Route Transition									
DELHI	415600.00N / 0874710.00W	Y		IF					DELHI.JAKKS2
EARND	412531.00N / 0873420.00W	Y	FB	TF	162.41	31.95			
ELANR	411206.00N / 0873200.00W	Y	FB	TF	172.52	13.52			
EMMLY	402700.00N / 0872000.00W	Y	FB	TF	168.51	45.98			
JAKKS	400951.25N / 0865230.44W	Y	FB	TF	129.02	27.13			
En Route Transition									
ELANR	411206.00N / 0873200.00W	Y		IF					ELANR.JAKKS2
EMMLY	402700.00N / 0872000.00W	Y	FB	TF	168.51	45.98			
JAKKS	400951.25N / 0865230.44W	Y	FB	TF	129.02	27.13			
Common Route									
JAKKS	400951.25N / 0865230.44W	Y		IF					JAKKS.JAKKS2
OPPIE	400828.69N / 0865036.64W	Y	FB	TF	133.38	02.00	11000B16000		
ATILE	400258.36N / 0864302.68W	Y	FB	TF	133.41	08.00	AT/BELOW 13000		
Runway Transition									
ATILE	400258.36N / 0864302.68W	Y		IF			AT/BELOW 13000		
BBACK	395828.05N / 0863652.60W	Y	FB	TF	133.49	06.54	AT/ABOVE 10000		
CIBOV	395126.66N / 0862705.43W	Y	FB	TF	132.93	10.29	AT/ABOVE 7000	AT 230K	
PETYN	394717.16N / 0862136.14W	Y	FB	TF	134.47	05.93	AT 6000	AT 210K	

QUALITY
17
CHECKED

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Arrival Name JAKKS (RNAV)		Number TWO		STAR Computer Code JAKKS.JAKKS2		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
WANOBO		394154.25N / 0862822.81W		Y	FO	TF	224.23	07.50			
KIND:RWY 05L						FM	224.23				RECOMMENDED NAVAID: ROD VORTAC
Runway Transition											
ATILE		400258.36N / 0864302.68W		Y		IF			AT/BELOW 13000		
BBACK		395828.05N / 0863652.60W		Y	FB	TF	133.49	06.54	AT/ABOVE 10000		
CIBOV		395126.66N / 0862705.43W		Y	FB	TF	132.93	10.29	AT/ABOVE 7000	AT 230K	
PETYN		394717.16N / 0862136.14W		Y	FB	TF	134.47	05.93	AT 6000	AT 210K	
WANOBO		394154.25N / 0862822.81W		Y	FO	TF	224.23	07.50			
KIND:RWY 05R						FM	224.23				RECOMMENDED NAVAID: ROD VORTAC
Runway Transition											
ATILE		400258.36N / 0864302.68W		Y		IF			AT/BELOW 13000		
AADIE		395313.53N / 0862932.40W		Y	FB	TF	133.10	14.24			
KEADY		395136.09N / 0862717.31W		Y	FB	TF	133.10	02.37	AT/ABOVE 4000	AT 210K	
KIND:RWY 14											
Runway Transition											
ATILE		400258.36N / 0864302.68W		Y		IF			AT/BELOW 13000		
BBACK		395828.05N / 0863652.60W		Y	FB	TF	133.49	06.54	AT/ABOVE 10000		
CIBOV		395126.66N / 0862705.43W		Y	FB	TF	132.93	10.29	AT/ABOVE 7000	AT 230K	
PETYN		394717.16N / 0862136.14W		Y	FB	TF	134.47	05.93	AT 6000	AT 210K	
ZOSAR		395153.24N / 0861538.30W		Y	FO	TF	044.95	06.50			
KIND:RWY 23L						FM	044.95				RECOMMENDED NAVAID: ROD VORTAC
Runway Transition											
ATILE		400258.36N / 0864302.68W		Y		IF			AT/BELOW 13000		
BBACK		395828.05N / 0863652.60W		Y	FB	TF	133.49	06.54	AT/ABOVE 10000		
CIBOV		395126.66N / 0862705.43W		Y	FB	TF	132.93	10.29	AT/ABOVE 7000	AT 230K	
PETYN		394717.16N / 0862136.14W		Y	FB	TF	134.47	05.93	AT 6000	AT 210K	

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
ZOSAR	395153.24N / 0861538.30W	Y	FO	TF	044.95	06.50			
KIND:RWY 23R				FM	044.95				RECOMMENDED NAVAID: ROD VORTAC

Runway Transition									
ATILE	400258.36N / 0864302.68W	Y		IF			AT/BELOW 13000		
BBACK	395828.05N / 0863652.60W	Y	FB	TF	133.49	06.54	AT/ABOVE 10000		
EBEDE	394614.57N / 0862616.35W	Y	FB	TF	146.19	14.69	AT/ABOVE 7000	AT 230K	
PNFLD	394017.94N / 0862108.52W	Y	FB	TF	146.29	07.14	AT 6000	AT 210K	
ZASNI	393523.19N / 0861440.95W	Y	FO	TF	134.49	07.00			
KIND:RWY 32				FM	134.49				RECOMMENDED NAVAID: ROD VORTAC

