

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

Arrival Name PINNR (RNAV)	Number THREE	STAR Computer Code PINNR.PINNR3	Superseded Number TWO	Dated 9/10/2020	Effective Date 31 DEC 20
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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
BANNA	BANNA.PINNR3	BANNA	BANNA						AT/ABOVE FL270
			CHOTS	111.69	30.50	17000	12900		AT/ABOVE 17000
			FFEST	112.20	15.33	14000	12500		AT/ABOVE 14000
			PINNR	112.37	07.90	12000	10700		AT/ABOVE 12000

ARRIVAL ROUTE DESCRIPTION:

LANDING KAPA: FROM PINNR ON TRACK 112.42/10.39 TO CROSS TINGE BETWEEN 10000 AND 11000, THEN ON TRACK 170.75/7.35 TO CROSS WHOAA AT 10000, THEN ON TRACK 170.61/13.07 TO CROSS REDZN AT 10000, THEN ON TRACK 176.15/5.33 TO CROSS PYDRT AT 9000, THEN ON TRACK 175.66/24.99 TO CROSS AAYES AT 9000, THEN ON TRACK 150.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KBJC: FROM PINNR ON TRACK 112.42/10.39 TO CROSS TINGE BETWEEN 10000 AND 11000, THEN ON TRACK 170.75/7.35 TO CROSS WHOAA AT 10000, THEN ON TRACK 170.61/13.07 TO CROSS REDZN AT 10000, THEN ON TRACK 176.15/5.33 TO CROSS PYDRT AT 9000. EXPECT RNAV (GPS) RWY 12L APPROACH OR VISUAL APPROACH AS ASSIGNED BY ATC.

LANDING KFNL/KCFO/KGXY: FROM PINNR ON TRACK 112.42/10.39 TO CROSS TINGE BETWEEN 10000 AND 11000, THEN ON TRACK 112.49/4.10 TO CROSS BDOWN AT 9000, THEN ON TRACK 112.49. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KLMO: FROM PINNR ON TRACK 112.42/10.39 TO CROSS TINGE BETWEEN 10000 AND 11000, THEN ON TRACK 170.75/7.35 TO CROSS WHOAA AT 10000, THEN ON TRACK 170.61/13.07 TO CROSS REDZN AT 10000, THEN ON TRACK 176.15/5.00 TO CROSS HBALL AT 9000, THEN ON TRACK 176.15. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

- NOTE: RADAR REQUIRED
- NOTE: RNAV 1
- NOTE: DME/DME/IRU OR GPS REQUIRED
- NOTE: TURBOJET AIRCRAFT ONLY

FIXES AND/OR HOLDING PATTERNS:

COMMUNICATIONS:

DEN ARTCC, DEN APCH/DEP CON, APA ATIS, APA TWR, BJC ATIS, BJC TWR, CFO ATIS, CFO TWR.

AIRPORTS SERVED:

- ROCKY MOUNTAIN METROPOLITAN, DENVER, CO (KBJC)
- CENTENNIAL, DENVER, CO (KAPA)
- NORTHERN COLORADO RGNL APRT, FORT COLLINS/LOVELAND, CO (KFNL)
- COLORADO AIR AND SPACE PORT, DENVER, CO (KCFO)
- GREELEY-WELD COUNTY, GREELEY, CO (KGXY)
- VANCE BRAND, LONGMONT, CO (KLMO)



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LOST COMMUNICATIONS PROCEDURE:

- LANDING KAPA: FROM AAYES DIRECT LOWRE AND EXECUTE RNAV (GPS) RWY 17L APPROACH.
- LANDING KBJC: FROM PYDRT EXECUTE RNAV (GPS) RWY 12L APPROACH.
- LANDING KCFO: FROM BDOWN DIRECT SKIPI AND EXECUTE ILS OR LOC RWY 26 APPROACH.
- LANDING KLMO: FROM HBALL DIRECT KAYOO DIRECT WOLTS AND EXECUTE RNAV (GPS) RWY 29 APPROACH.

REMARKS:

ADDITIONAL FLIGHT DATA:

- DME/DME ASSESSMENT: SAT (RNP2.0)
- REFERENCE MAGNETIC VARIATION = KBJC 09E/2015
- CHART AT BDOWN TERMINUS: LDG KCFO, KGXY AND KFNL.
- CHART AT HBALL TERMINUS: LDG KLMO.
- CHART AT PYDRT TERMINUS: LDG KBJC.
- CHART AT AAYES TERMINUS: LDG KAPA.
- CHART: KAPA, KBJC, KFNL, KCFO, KLMO.
- DO NOT CHART MOCA'S.

FLIGHT INSPECTED BY:

DONAL MCGOUGH
Name

FICO
Organization

9/2/2020
Date

Digitally signed by
DAVID DANNER

Sep 21, 2020

Signature

Digitally signed by
DAVID DANNER
Sep 21, 2020

DEVELOPED BY:

Mark Phipps Denver Metroplex Manager
Name

DENVER ARTCC
Organization

4/23/2020
Date

Digitally signed by
DAVID DANNER

Sep 21, 2020

Signature

APPROVED BY:

PAT MULQUEEN, MANAGER
Name

AJV-A440
Organization

Date

Signature

CHANGES:

1. MOVED BDOWN WAYPOINT 3.82 NM NW.
2. REMOVE THE SPEED RESTRICTION OF LESS THAN 250 KTS AT REDZN.

REASONS:

1. REQUIRED BY ATC TO PROTECT FROM ANOTHER STAR.
2. RESTRICTION WAS CONFUSING PILOTS BEING ON THE BOUNDARY OF CLASS B AIRSPACE.

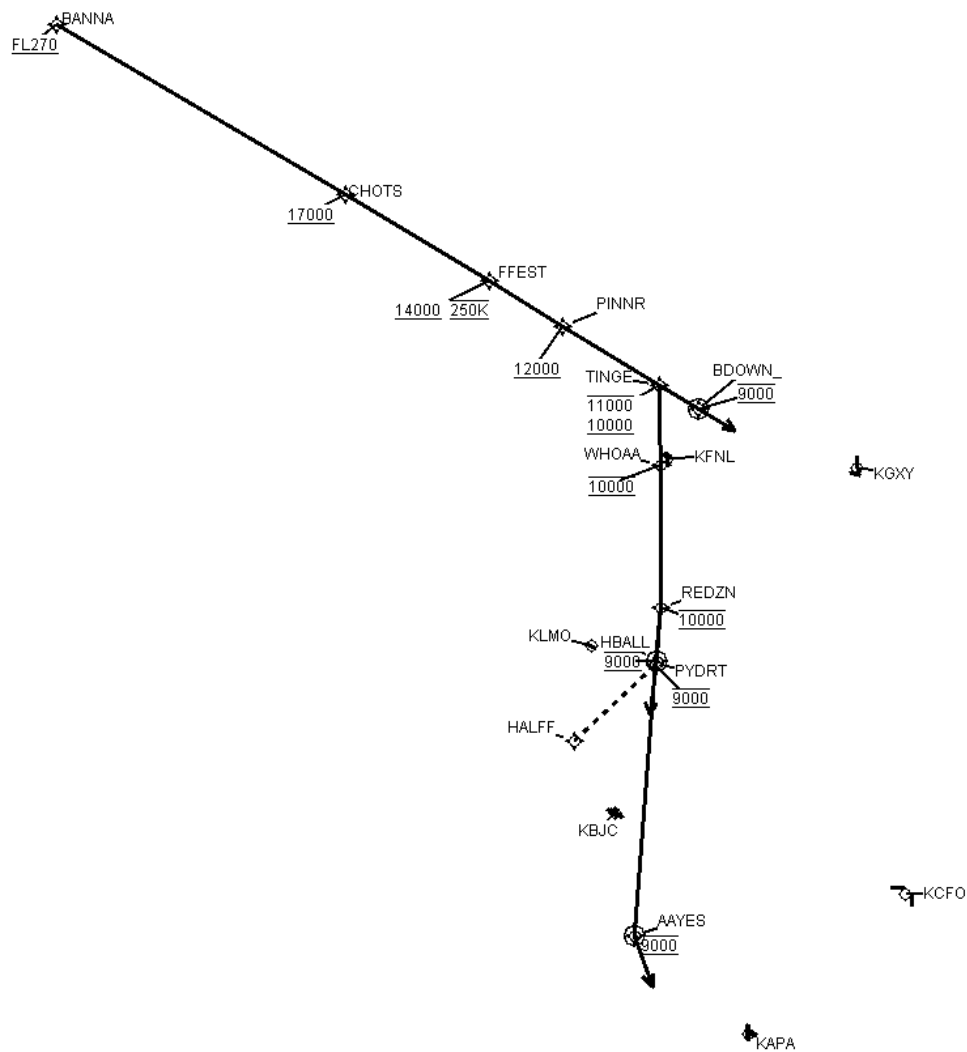


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PINNR (RNAV)	THREE	PINNR.PINNR3	TWO	9/10/2020	31 DEC 20

Graphic Depiction 1



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STAR (DATA RECORD)

Arrival Name PINNR (RNAV)	Number THREE	STAR Computer Code PINNR.PINNR3	Superseded Number TWO	Dated 9/10/2020	Effective Date 31 DEC 20
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
BANNA	410703.13N / 1061356.27W	Y		IF			AT/ABOVE FL270		BANNA.PINNR3
CHOTS	405123.26N / 1053922.40W	Y	FB	TF	120.69	30.50	AT/ABOVE 17000		
FFEST	404325.24N / 1052207.68W	Y	FB	TF	121.20	15.33	AT/ABOVE 14000	AT 250K	
PINNR	403918.00N / 1051315.92W	Y	FB	TF	121.37	07.90	AT/ABOVE 12000		

Common Route									
PINNR	403918.00N / 1051315.92W	Y		IF			AT/ABOVE 12000		PINNR.PINNR3
TINGE	403352.10N / 1050137.69W	Y	FB	TF	121.42	10.39	10000B11000		
WHOOA	402631.10N / 1050135.18W	Y	FB	TF	179.75	07.35	AT 10000		
REDZN	401326.13N / 1050128.25W	Y	FB	TF	179.61	13.07	AT 10000		
PYDRT	400807.62N / 1050205.63W	Y	FB	TF	185.15	05.33	AT 9000		
AAYES	394312.01N / 1050443.35W	Y	FO	TF	184.66	24.99	AT 9000		
KAPA				FM	159.00				

Common Route									
PINNR	403918.00N / 1051315.92W	Y		IF			AT/ABOVE 12000		PINNR.PINNR3
TINGE	403352.10N / 1050137.69W	Y	FB	TF	121.42	10.39	10000B11000		
WHOOA	402631.10N / 1050135.18W	Y	FB	TF	179.75	07.35	AT 10000		
REDZN	401326.13N / 1050128.25W	Y	FB	TF	179.61	13.07	AT 10000		
PYDRT	400807.62N / 1050205.63W	Y	FB	TF	185.15	05.33	AT 9000		LANDING KBJC

Common Route									
PINNR	403918.00N / 1051315.92W	Y		IF			AT/ABOVE 12000		PINNR.PINNR3
TINGE	403352.10N / 1050137.69W	Y	FB	TF	121.42	10.39	10000B11000		
BDOWN	403143.42N / 1045702.59W	Y	FO	TF	121.49	04.10	AT 9000		
KCFO,KFNL,KGXY				FM	121.49				

Common Route									
PINNR	403918.00N / 1051315.92W	Y		IF			AT/ABOVE 12000		PINNR.PINNR3



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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
TINGE	403352.10N / 1050137.69W	Y	FB	TF	121.42	10.39	10000B11000		
WHOOA	402631.10N / 1050135.18W	Y	FB	TF	179.75	07.35	AT 10000		
REDZN	401326.13N / 1050128.25W	Y	FB	TF	179.61	13.07	AT 10000		
HBALL	400827.12N / 1050203.34W	Y	FO	TF	185.15	05.00	AT 9000		
KLMO				FM	185.15				

