

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Arrival Name PINNR (RNAV)	Number TWO	STAR Computer Code PINNR.PINNR2	Superseded Number ONE	Dated 03/26/2020	Effective Date 10 SEP 20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.PINNR2	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 AND AT OR BELOW 250 KIAS, 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 AND AT OR BELOW 250 KIAS, 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 112.49/7.92 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 AND AT OR BELOW 250 KIAS, 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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PINNR (RNAV)	TWO	PINNR.PINNR2	ONE	03/26/2020	10 SEP 20

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:

ABBREV AMDT; CORRECTED APA TRANSITION TO INCLUDE FIX WHOAA WHICH IS CURRENTLY FC SAT WITH BJC/LMO TRANSITIONS; FIX WAS IMBEDDED ON APA TRANSITION BUT WAS NOT PREVIOUSLY CALLED OUT AND TIME NOT PERMITTED FOR CORRECTED COPY.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
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:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW
AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCT 3, 2018.

Organization

Date

Digitally signed by

ROBERT G HAMILTON

May 15, 2020

Signature

DEVELOPED BY:

Mark Phipps Denver Metroplex Manager
Name

DENVER ARTCC
Organization

4/23/2020
Date

Digitally signed by

ROBERT G HAMILTON

Signature

May 15, 2020

APPROVED BY:

PAT MULQUEEN, MANAGER
Name

AJV-A440
Organization

Date

Digitally signed by

ROBERT G HAMILTON

May 15, 2020

Signature

CHANGES:

1. CORRECTED APA TRANSITION TO INCLUDE WHOAA FIX AND RESTRICTIONS (FC SAT WITH BJC/LMO TRANSITIONS).

REASONS:

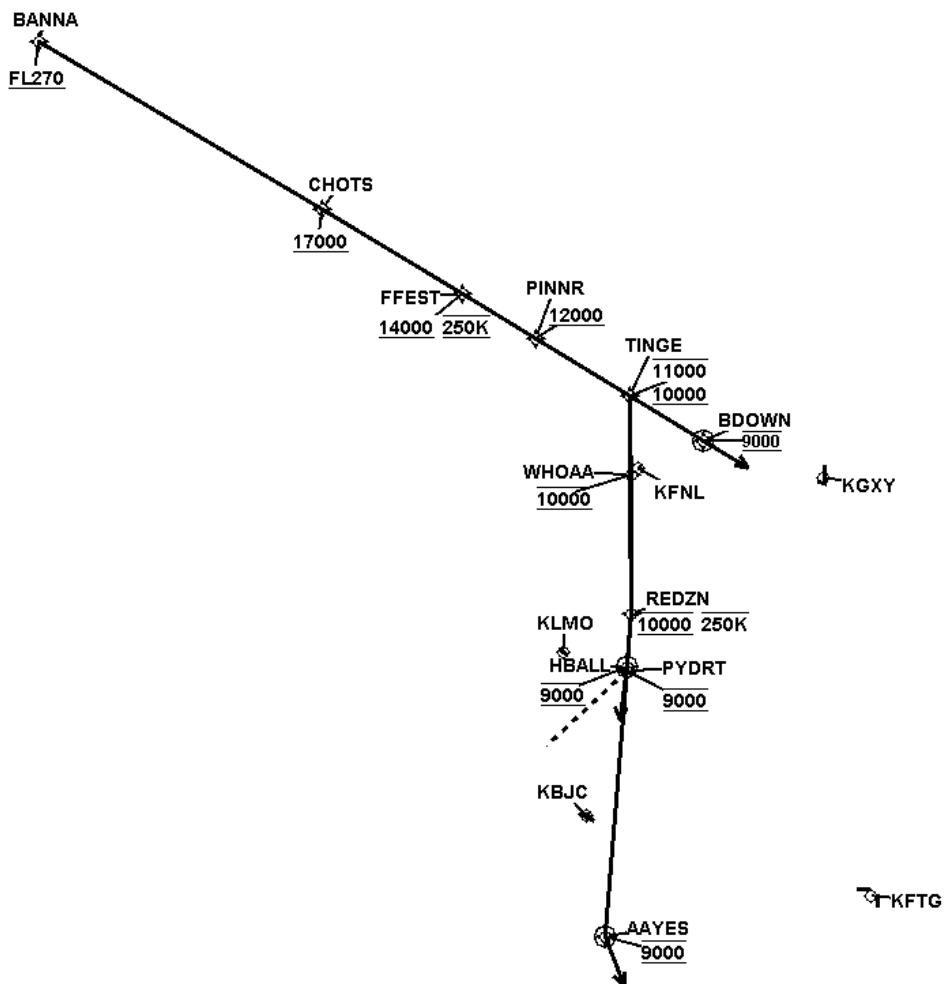
1. RESTRICTION REQUIRED BY ATC.

QUALITY
14
CHECKED

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Graphic Depiction 1					



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name PINNR (RNAV)		Number TWO		STAR Computer Code PINNR.PINNR2		Superseded Number ONE		Dated 03/26/2020	Effective Date 10 SEP 20
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.PINNR2
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.PINNR2
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	AT/BELOW 250K	
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.PINNR2
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	AT/BELOW 250K	
PYDRT	400807.62N / 1050205.63W	Y	FB	TF	185.15	05.33	AT 9000		LDG KBJC
Common Route									
PINNR	403918.00N / 1051315.92W	Y		IF			AT/ABOVE 12000		PINNR.PINNR2
TINGE	403352.10N / 1050137.69W	Y	FB	TF	121.42	10.39	10000B11000		
BDOWN	402943.35N / 1045246.51W	Y	FO	TF	121.49	07.92	AT 9000		
KCFO,KFNL,KGXY				FM	121.49				
Common Route									
PINNR	403918.00N / 1051315.92W	Y		IF			AT/ABOVE 12000		PINNR.PINNR2

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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	AT/BELOW 250K	
HBALL		400827.12N / 1050203.34W		Y	FO	TF	185.15	05.00	AT 9000		
KLMO						FM	185.15				