

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
DUNNN (RNAV)	FOUR	DUNNN.DUNNN4	THREE	03/26/2020	7 OCT 21

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
CAARS	CAARS.DUNNN4	CAARS	CAARS						
			LAYLA	305.65	45.36	FL200			
			DUNNN	319.11	23.91	FL190			BETWEEN FL190 AND FL220
FRAAY	FRAAY.DUNNN4	FRAAY	FRAAY						
			MORSN	260.30	61.47	FL190			AT/ABOVE FL300
			XPAIN	259.46	23.65	FL190			
			DUNNN	302.16	23.66	FL190			BETWEEN FL190 AND FL220

ARRIVAL ROUTE DESCRIPTION:

KAPA: FROM DUNNN ON TRACK 318.93/11.60 TO CROSS IMAGN AT 16000, THEN ON TRACK 278.26/14.86 TO CROSS BYEBI AT 14000 AND AT 250 KIAS.

LANDING KAPA RWY 17L: FROM BYEBI ON TRACK 278.00/13.74 TO CROSS XBGIN BETWEEN 13000 AND 14000, THEN ON TRACK 278.69/3.18 TO CROSS XLENT AT OR ABOVE 12000, THEN ON TRACK 288.25/4.89 TO CROSS XPATH AT 11000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 326.93/5.03 TO CROSS XWILL AT 11000, THEN ON TRACK 323.29/6.22 TO CROSS XHOME AT 10000, THEN ON TRACK 323.25/7.88 TO CROSS XMAAK AT 9000, THEN ON TRACK 353.19/2.41 TO CROSS XYOOU AT 9000, THEN ON TRACK 353.19. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KAPA RWY 35R: FROM BYEBI ON TRACK 278.00/13.74 TO CROSS XBGIN BETWEEN 13000 AND 14000, THEN ON TRACK 278.69/3.18 TO CROSS XLENT AT OR ABOVE 12000, THEN ON TRACK 288.25/4.89 TO CROSS XPATH AT 11000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 350.45/4.32 TO CROSS XBEEB AT 9000 AND AT OR BELOW 240 KIAS. EXPECT ILS OR LOC RWY 35R APPROACH OR AS ASSIGNED BY ATC.

LANDING KBJC: FROM DUNNN ON TRACK 318.93/11.60 TO CROSS IMAGN AT 16000, THEN ON TRACK 278.26/14.86 TO CROSS BYEBI AT 14000 AND AT 250 KIAS, THEN ON TRACK 278.00/13.74 TO CROSS XBGIN BETWEEN 13000 AND 14000, THEN ON TRACK 278.69/3.18 TO CROSS XLENT AT OR ABOVE 12000, THEN ON TRACK 288.25/4.89 TO CROSS XPATH AT 11000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 326.93/5.03 TO CROSS XWILL AT 11000, THEN ON TRACK 323.29/6.22 TO CROSS XHOME AT 10000, THEN ON TRACK 323.25/7.88 TO CROSS XMAAK AT 9000, THEN ON TRACK 353.19/2.41 TO CROSS XYOOU AT 9000, THEN ON TRACK 353.19. 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

NOTE: EXPECT RUNWAY ASSIGNMENT FROM DENVER TRACON UPON INITIAL CONTACT.

FIXES AND/OR HOLDING PATTERNS:

COMMUNICATIONS:

CHART: DEN ARTCC. CHART: SPRINGS APP CON. CHART: DEN APPCH/DEP CON. CHART: CENTENNIAL TOWER. CHART: METRO TOWER

AIRPORTS SERVED:

CENTENNIAL, DENVER, CO (KAPA)

ROCKY MOUNTAIN METROPOLITAN, DENVER, CO (KBJC)

QUALITY
16
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LOST COMMUNICATIONS PROCEDURE:

LANDING CENTENNAL: FROM OVER XYUU- PROCEED DIRECT LOWRE AND EXECUTE THE RNAV (GPS) RWY 17L APPROACH.
FROM OVER XBEEE- EXECUTE THE RNAV (GPS) RWY 35R APPROACH.
NON-GPS EQUIPPED AIRCRAFT- EXECUTE THE ILS OR LOC RWY 35R APPROACH.
LANDING ROCKY MOUNTAIN METRO: FROM OVER XYUU- DIRECT NSPYR EXECUTE THE ILS OR LOC RWY 30R APPROACH.

REMARKS:

MEA'S FL190 AND ABOVE REQUIRED TO MITIGATE CRITICAL DME'S AND INSURE DME/DME/IRU NAVIGATION CAPABILITY.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
REFERENCE MAGNETIC VARIATION = KAPA 08E/2015.
CHART AT XYUU TERMINUS: LDG KAPA RWY 17L AND KBJC
CHART AT XBEEE TERMINUS: LDG KAPA RWY 35R
CHART: KAPA, KBJC.

FLIGHT INSPECTED BY:

JOEL F HAWKLEY

FICO

02/24/2021

Name

Organization

Date

*Digitally signed by***DAVID DANNER**

Aug 27, 2021

Signature

*Digitally signed by***DAVID DANNER**

Aug 27, 2021

DEVELOPED BY:

Mark Phipps Denver Metroplex Manager

DENVER ARTCC

7/10/2020

Name

Organization

Date

*Digitally signed by***DAVID DANNER**

Aug 27, 2021

Signature

Signature

APPROVED BY:

PATRICK MULQUEEN, MANAGER

AJV-A440

Date

Name

Organization

CHANGES:

1. ADDED XBEEE WP WITH RESTRICTION AT 9,000 AND AT 240 KTS.
2. AMENDED THE LDG KAPA RWY 35R RUNWAY ARRIVAL ROUTE TO INCLUDE XBEEE WP.
3. ADDED RESTRICTION AT XPATH CROSS XPATH AT 240 KTS.
4. CHANGED LOST COMM FOR KAPA LANDING RWY 35R ADDING FROM OVER XBEEE.
5. CHANGED ADDITIONAL FLIGHT DATA LDG KAPA RWY 35R TERMINUS TO XBEEE.
6. CHANGED LOST COMM FOR KBJC, ADDED DIRECT NSPYR TO INSTRUCTIONS.

REASONS:

1. ALTITUDE AND SPEED RESTRICTIONS MATCH GPS AND ILS APPROACHES TO KAPA.
2. NEEDED BY ATC.
3. NEEDED TO BE CRITERIA COMPLIANT.

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
DUNNN (RNAV)	FOUR	DUNNN.DUNNN4	THREE	03/26/2020	7 OCT 21
4. NEEDED TO REFLECT PROCEDURE CHANGE.					
5. NEEDED TO REFLECT PROCEDURE CHANGE.					
6. NEEDED BY ATC.					

03/05/2021:THIS IS AN UPDATED COPY OF THE FORMS DEVELOPED ON 07/10/2020.

1. CHANGE THE AIRSPEED RESTRICTION AT XPATH FROM AT 240 KTS TO AT OR BELOW 240 KTS. ALL LOCATIONS.
2. CHANGE THE AIRSPEED RESTRICTION AT XBEEE FROM AT 240 KTS TO AT OR BELOW 240 KTS ALL LOCATIONS.

08/23/2021:THIS IS A CORRECTED COPY OF THE FORMS APPROVED ON 03/09/2021.

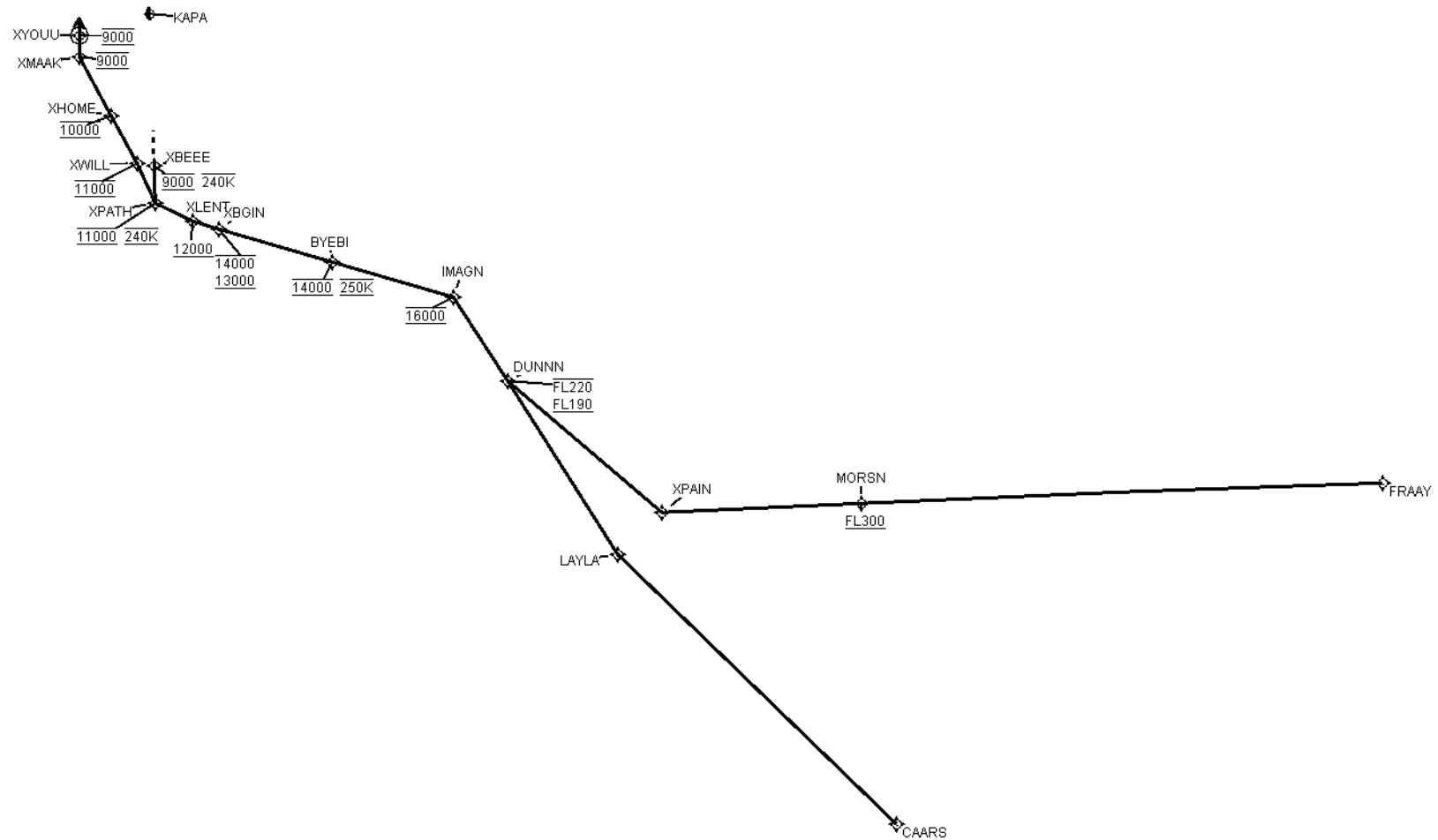
1. CHANGED COMMUNICATIONS; REMOVED CENTENNIAL AND ROCKY MOUNTAIN METRO ATIS, AND PREFIXED "CHART" TO REMAINING COMMUNICATION ENTRIES.



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DUNNN (RNAV)	FOUR	DUNNN.DUNNN4	THREE	03/26/2020	7 OCT 21
Graphic Depiction 1					



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name DUNNN (RNAV)		Number FOUR		STAR Computer Code DUNNN.DUNNN4		Superseded Number THREE		Dated 03/26/2020	Effective Date 7 OCT 21
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
CAARS	380020.88N / 1025839.76W	Y		IF					CAARS.DUNNN4
LAYLA	383134.10N / 1034029.65W	Y	FB	TF	313.65	45.36			
DUNNN	385138.68N / 1035706.80W	Y	FB	TF	327.11	23.91	FL190BFL220		
En Route Transition									
FRAAY	383947.17N / 1014524.61W	Y		IF					FRAAY.DUNNN4
MORSN	383731.28N / 1030349.12W	Y	FB	TF	268.30	61.47	AT/ABOVE FL300		
XPAIN	383624.54N / 1033357.70W	Y	FB	TF	267.46	23.65			
DUNNN	385138.68N / 1035706.80W	Y	FB	TF	310.16	23.66	FL190BFL220		
Common Route									
DUNNN	385138.68N / 1035706.80W	Y		IF			FL190BFL220		KAPA DUNNN.DUNNN4
IMAGN	390122.23N / 1040514.07W	Y	FB	TF	326.93	11.60	AT 16000		
BYEBI	390530.54N / 1042333.16W	Y	FB	TF	286.26	14.86	AT 14000	AT 250K	
Common Route									
DUNNN	385138.68N / 1035706.80W	Y		IF			FL190BFL220		KBJC DUNNN.DUNNN4
IMAGN	390122.23N / 1040514.07W	Y	FB	TF	326.93	11.60	AT 16000		
BYEBI	390530.54N / 1042333.16W	Y	FB	TF	286.26	14.86	AT 14000	AT 250K	
XBGIN	390916.73N / 1044032.14W	Y	FB	TF	286.00	13.74	13000B14000		
XLENT	391011.48N / 1044427.01W	Y	FB	TF	286.69	03.18	AT/ABOVE 12000		
XPATH	391221.19N / 1045005.46W	Y	FB	TF	296.25	04.89	AT 11000	AT/BELOW 240K	
XWILL	391654.63N / 1045250.04W	Y	FB	TF	334.93	05.03	AT 11000		
XHOME	392222.42N / 1045641.38W	Y	FB	TF	331.29	06.22	AT 10000		
XMAAK	392917.43N / 1050135.28W	Y	FB	TF	331.25	07.88	AT 9000		
XYOOU	393142.24N / 1050131.41W	Y	FO	TF	001.19	02.41	AT 9000		
KBJC				FM	001.19				

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16
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FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name DUNNN (RNAV)	Number FOUR	STAR Computer Code DUNNN.DUNNN4	Superseded Number THREE	Dated 03/26/2020	Effective Date 7 OCT 21
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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Runway Transition									
BYEBI	390530.54N / 1042333.16W	Y		IF			AT 14000	AT 250K	
XBGIN	390916.73N / 1044032.14W	Y	FB	TF	286.00	13.74	13000B14000		
XLENT	391011.48N / 1044427.01W	Y	FB	TF	286.69	03.18	AT/ABOVE 12000		
XPATH	391221.19N / 1045005.46W	Y	FB	TF	296.25	04.89	AT 11000	AT/BELOW 240K	
XWILL	391654.63N / 1045250.04W	Y	FB	TF	334.93	05.03	AT 11000		
XHOME	392222.42N / 1045641.38W	Y	FB	TF	331.29	06.22	AT 10000		
XMAAK	392917.43N / 1050135.28W	Y	FB	TF	331.25	07.88	AT 9000		
XYOUU	393142.24N / 1050131.41W	Y	FO	TF	001.19	02.41	AT 9000		
KAPA:RWY 17L				FM	001.19				

Runway Transition									
BYEBI	390530.54N / 1042333.16W	Y		IF			AT 14000	AT 250K	
XBGIN	390916.73N / 1044032.14W	Y	FB	TF	286.00	13.74	13000B14000		
XLENT	391011.48N / 1044427.01W	Y	FB	TF	286.69	03.18	AT/ABOVE 12000		
XPATH	391221.19N / 1045005.46W	Y	FB	TF	296.25	04.89	AT 11000	AT/BELOW 240K	
XBEEE	391640.75N / 1045014.49W	Y	FB	TF	358.45	04.32	AT 9000	AT/BELOW 240K	
KAPA:RWY 35R									

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16
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