

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.
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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
DUNNN (RNAV)	SIX	DUNNN.DUNNN6	FIVE	07/14/2022	17 APR 25

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
CAARS	CAARS.DUNNN6	CAARS	CAARS						
			LAYLA	305.65	45.36	17000	8200		
			DUNNN	319.11	23.91	14000	8200		BETWEEN FL190 AND FL220
FRAAY	FRAAY.DUNNN6	FRAAY	FRAAY						
			MORSN	260.30	61.47	FL180	8100		AT/ABOVE FL300
			XPAIN	259.46	23.65	14000	8100		
			DUNNN	302.16	23.66	14000	8100		BETWEEN FL190 AND FL220

ARRIVAL ROUTE DESCRIPTION:

APA: 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 APA RWY 17L: FROM BYEBI ON TRACK 278.00/13.74 TO CROSS XBGIN BETWEEN 13000 AND 14000 AND AT 240 KIAS, 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 10500, THEN ON TRACK 326.93/5.03 TO CROSS XWILL AT 10000, THEN ON TRACK 323.29/6.22 TO CROSS XHOME AT 10000, THEN ON TRACK 350.00/8.04 TO CROSS NSYNC AT 10000 AND AT 210 KIAS, THEN ON TRACK 350.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING APA RWY 35R: FROM BYEBI ON TRACK 278.00/13.74 TO CROSS XBGIN BETWEEN 13000 AND 14000 AND AT 240 KIAS, 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 10500, THEN ON TRACK 350.45/4.32 TO CROSS XBEEE AT 9000 AND AT OR BELOW 240 KIAS. EXPECT ILS OR RNAV RWY 35R APPROACH.

LANDING BJC: 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 AND AT 240 KIAS, THEN ON TRACK 307.31/9.09 TO CROSS GATME AT 12000, THEN ON TRACK 307.15/10.94 TO CROSS OLLVR AT 12000, THEN ON TRACK 327.58/6.79 TO CROSS HERLY AT 11000, THEN ON TRACK 327.33/13.79 TO CROSS CROWZ AT 10000, THEN ON TRACK 327.33. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY

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

NOTE: AIRCRAFT LANDING BJC, ATC ASSIGNED ONLY.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT LAYLA: HOLD SE, LT, 305.60 INBOUND, 12 NM LEGS.

CHART HOLDING AT XPAIN: HOLD E, RT, 259.46 INBOUND, 12 NM LEGS.

CHART HOLDING AT DUNNN: HOLD SE, LT, 318.93 INBOUND, 4 NM LEGS.

COMMUNICATIONS:

CHART: DEN ARTCC.

CHART: CENTENNIAL TOWER.

CHART: METRO TOWER.

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AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
APA	DENVER	CO
BJC	DENVER	CO

LOST COMMUNICATIONS PREFERENCES:

LANDING CENTENNIAL: FROM OVER NSYNC- PROCEED TO LOWRE AND PROCEED ON 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 NSYNC- PROCEED TO NSPYR AND PROCEED ON THE ILS OR LOC RWY 30R APPROACH.

REMARKS:ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
MAG VAR: APA 08E/2015
CHART AT NSYNC TERMINUS: APA LDG RWY 17L
CHART AT XBEEE TERMINUS: APA LDG RWY 35R
CHART AT CROWZ TERMINUS: LDG BJC

FLIGHT INSPECTED BY:ORGANIZATION: DATE:

Flight Inspected Signature:

Digitally signed by
ROBERT G HAMILTON
Mar 03, 2025

DEVELOPED BY:

Jenifer Nordstrom

ZDV
Airspace&Procedur
es

05/01/02024

Developed By Signature:

Digitally signed by
ROBERT G HAMILTON
Mar 03, 2025

APPROVED BY:

Eric Suski

AJV-A431

Approved By Signature:

Digitally signed by
ROBERT G HAMILTON
Mar 03, 2025

CHANGES:

1. ADDED HOLDING AT XPAIN WP: HOLD E, RT, 259.46 INBOUND, 12 NM LEGS.
2. ADDED HOLDING AT LAYLA WP: HOLD SE, LT, 305.60 INBOUND, 12 NM LEGS.
3. ADJUSTED MEAS FROM FRAAY AND UPDATED MOCAS AT LAYLA AND DUNNN.
4. ADDED A SPEED RESTRICTION AT XBGIN WP OF AT 240 KIAS.
5. CHANGED RESTRICTION AT XPATH WP FROM AT 11000 AND AT OR BELOW 240 KIAS TO NO SPEED AND AT 10500.

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6. REMOVED XMAAK WP AND XYOOU WP FROM RWY 17L TRANSITION.
7. ADDED NSYNC WP WITH FM LEG AND ALTITUDE RESTRICTION OF AT 10000 AND AT 210 KIAS AT APA RWY 17L.
8. CHANGED ALTITUDE AT XWILL WP FROM AT 11000 TO AT 10000.
9. REMOVED XLENT, XPATH, XWILL, XHOME, XMAAK AND XYOOU WPs FROM KBJC TRANSITION.
10. ADDED GATME AND OLLVR WP AT 12000 ADDED HERLY WP AT 11000 AND CROWZ WP AT 10000 TO THE BJC TRANSITION.
11. ADDED NOTE: AIRCRAFT LANDING BJC ATC ASSIGNED ONLY.
12. CHANGED LOST COMMUNICATIONS LANDING CENTENNIAL AND LANDING ROCKY MOUNTAIN METRO FROM, OVER XYOOU TO, FROM OVER NSYNC.
13. ADDITIONAL FLIGHT DATA: CHANGED RWYL 17L TERMINUS FROM XYOOU TO NSYNC.
14. ADDITIONAL FLIGHT DATA: CHANGED KBJC TERMINUS FROM XYOOU TO CROWZ.
15. REMOVED AIRPORT NAMES FROM AIRPORT SERVED.

REASONS:

- 1-2. ATC REQUEST.
3. NEW TERRAIN/OBSTACLE EVALUATION & DME/DME ASSESSMENT.
4. ATC AND INDUSTRY REQUEST FOR DESCENT GRADIENT CRITERIA BETWEEN XLENT WP AND XPATH WP AFTER LOWERING XPATH WP TO AT 10500.
5. ATC AND INDUSTRY REQUEST FOR DESCENT GRADIENT CRITERIA.
6. ATC REQUEST FOR SEQUENCING WITH ZOMBZ STAR.
7. TO MATCH RNAV (RNP) Z RWY 17L.
8. ATC AND INDUSTRY REQUEST TO ELIMINATE CLIMBING SEGMENT BETWEEN XPATH AT 10500 AND XWILL AT 11000.
9. ATC REQUEST TO MITIGATE SEPARATION FROM BRNKO STAR HEAD ON AT AAYES WP.
10. ATC REQUEST TO MITIGATE SEPARATION FROM BRNKO STAR.
11. D01 NEEDS THIS NOTE TO MITIGATE AIRCRAFT TRAVERSING THROUGH THE BUSIEST AND MOST COMPLEX AIRSPACE CONTROLLED BY D01. THIS NOTE WILL LIMIT THE USE OF THE KBJC TRANSITION TO ATC ASSIGNED ONLY.
12. ATC REQUEST TO MATCH NEW DESIGN.
- 13-14. ATC REQUEST TO REFLECT NEW TERMINUS.
15. IAW 8260.19J DOCUMENTATION STANDARDS.

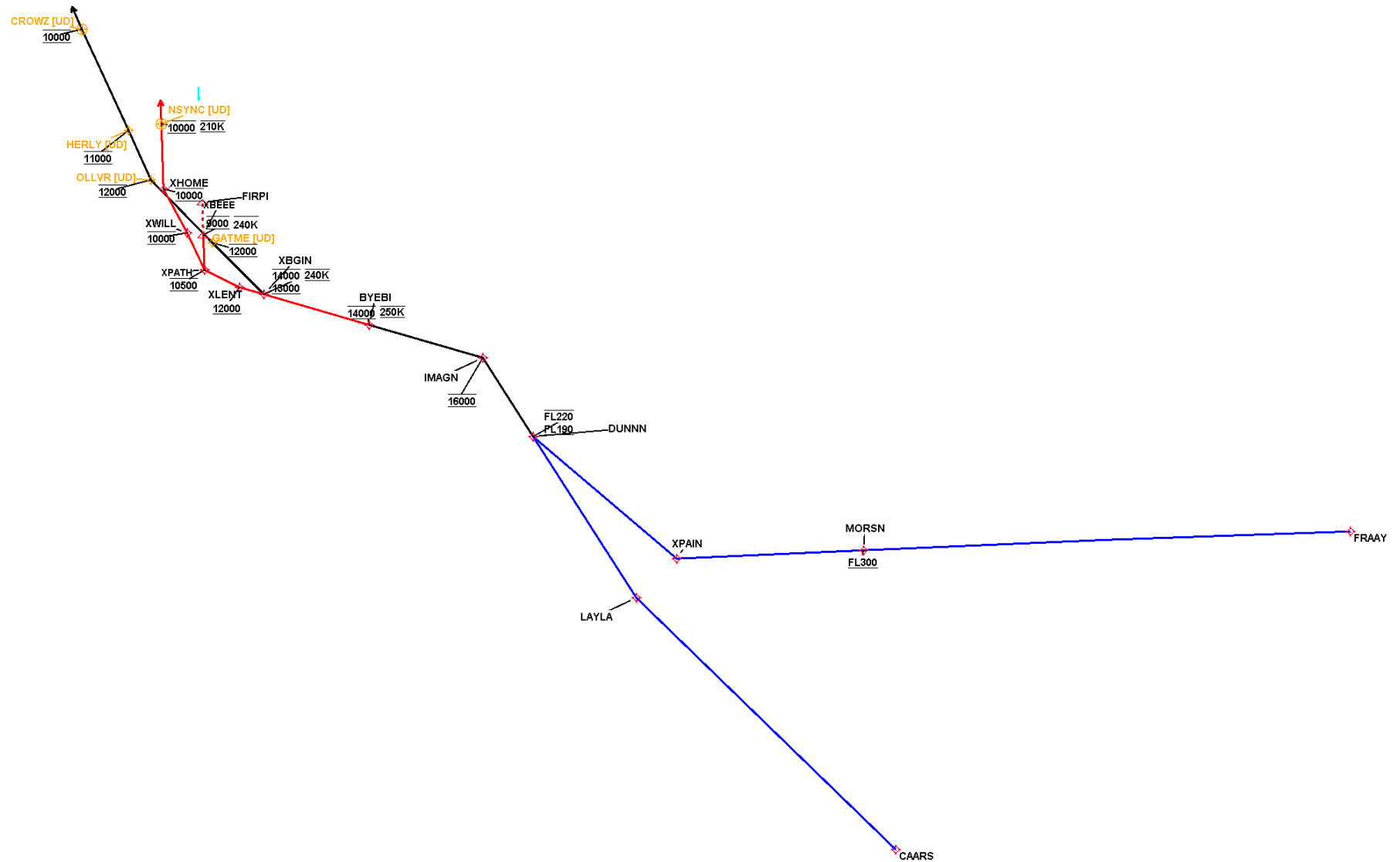
01/23/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/01/24.

1 REMOVED MEA NOTE FROM REMARKS.

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Graphic Depiction 1					



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name DUNNN (RNAV)	Number SIX	STAR Computer Code DUNNN.DUNNN6		Superseded Number FIVE		Dated 07/14/2022	Effective Date 17 APR 25		
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.DUNNN6
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.DUNNN6
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		DUNNN.DUNNN6
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		DUNNN.DUNNN6
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	AT 240K	
GATME	391544.35N / 1044845.69W	Y	FB	TF	315.31	09.09	AT 12000		
OLLVR	392329.84N / 1045843.03W	Y	FB	TF	315.15	10.94	AT 12000		
HERLY	392941.04N / 1050220.64W	Y	FB	TF	335.58	06.79	AT 11000		
CROWZ	394213.42N / 1050948.11W	Y	FO	TF	335.33	13.79	AT 10000		
KBJC				FM	335.33				
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	AT 240K	

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<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>	
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 10500			
XWILL	391654.63N / 1045250.04W	Y	FB	TF	334.93	05.03	AT 10000			
XHOME	392222.42N / 1045641.38W	Y	FB	TF	331.29	06.22	AT 10000			
NSYNC	393024.66N / 1045703.12W	Y	FO	TF	358.00	08.04	AT 10000	AT 210K		
KAPA:RWY 17L				FM	358.00					
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	AT 240K		
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 10500			
XBEEE	391640.75N / 1045014.49W	Y	FB	TF	358.45	04.32	AT 9000	AT/BELOW 240K		
KAPA:RWY 35R										