

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
CLASH (RNAV)	FIVE	CLASH.CLASH5	FOUR	10/07/2021	12 JUN 25

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
KIIS	KIIS.CLASH5	KIIS	KIIS						
			DYLLN	294.44	42.48	FL190	8900		
			WAIYN	293.87	43.26	15000	8900		AT/ABOVE FL300
			LYNKN	293.84	10.79	15000	8900		
			RRUSL	293.38	17.97	13000	8900		
			CLASH	293.18	10.00	13000	8900		BETWEEN FL190 AND FL220
OATHE	OATHE.CLASH5	OATHE	OATHE						
			THINN	261.30	21.71	FL190	8900		
			ININN	277.69	30.50	15000	8900		AT/ABOVE FL300
			LYNKN	277.38	14.61	15000	8900		
			RRUSL	293.38	17.97	13000	8900		
			CLASH	293.18	10.00	13000	8900		BETWEEN FL190 AND FL220

ARRIVAL ROUTE DESCRIPTION:

FROM CLASH ON TRACK 296.30/16.56 TO CROSS EVRLY BETWEEN 15000 AND FL190 AND AT 250 KIAS.

LANDING RWY 7, 8: FROM EVRLY ON TRACK 298.69/11.44 TO CROSS JURKY BETWEEN 15000 AND 17000, THEN ON TRACK 288.60/18.60 TO CROSS ROOTZ BETWEEN 13000 AND 15000 AND AT 250 KIAS, THEN ON TRACK 295.28/5.36 TO RPIDS, THEN ON TRACK 263.06/4.74 TO CROSS BBOOK AT 11000 AND AT 210 KIAS, THEN ON TRACK 263.06. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 16L, 17L/R: FROM EVRLY ON TRACK 298.69/11.44 TO CROSS JURKY BETWEEN 15000 AND 17000, THEN ON TRACK 300.23/17.19 TO CROSS JAAAM BETWEEN 13000 AND 15000 AND AT 250 KIAS, THEN ON TRACK 337.05/7.20 TO HUDPI, THEN ON TRACK 352.53/5.00 TO CROSS QWIKI AT 11000 AND AT 210 KIAS, THEN ON TRACK 352.53. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 16R: FROM EVRLY ON TRACK 298.69/11.44 TO CROSS JURKY BETWEEN 15000 AND 17000, THEN ON TRACK 288.60/18.60 TO CROSS ROOTZ BETWEEN 13000 AND 15000 AND AT 250 KIAS, THEN ON TRACK 295.28/5.36 TO RPIDS, THEN ON TRACK 294.83/10.63 TO RDDVL, THEN ON TRACK 352.51/5.00 TO CROSS CLFFI AT 11000 AND AT 210 KIAS, THEN ON TRACK 352.51. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 25, 26: FROM EVRLY ON TRACK 293.69/8.21 TO CROSS ERVNN AT 14000, THEN ON TRACK 351.08/8.12 TO CROSS FIDLS AT 13000 AND AT 210 KIAS, THEN ON TRACK 351.08. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 34L/R, 35L: FROM EVRLY ON TRACK 259.50/13.01 TO CROSS RECRD AT OR ABOVE 13000, THEN ON TRACK 259.33/3.41 TO CROSS TWNSN BETWEEN 12000 AND 13000 AND AT 210 KIAS, THEN ON TRACK 259.31/4.01 TO CROSS PNBAL AT 11000, THEN ON TRACK 259.54/4.01 TO CROSS ROCCS AT OR ABOVE 10000, THEN ON TRACK 259.98/4.88 TO CROSS EBLR AT 9000 AND AT 210 KIAS, THEN ON TRACK 259.98. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 35R: FROM EVRLY ON TRACK 259.50/13.01 TO CROSS RECRD AT OR ABOVE 13000, THEN ON TRACK 259.33/3.41 TO CROSS TWNSN BETWEEN 12000 AND 13000 AND AT 210 KIAS, THEN ON TRACK 259.31/4.01 TO CROSS PNBAL AT 11000, THEN ON TRACK 259.54/4.01 TO CROSS ROCCS AT OR ABOVE 10000, THEN ON TRACK 297.99/4.00 TO CROSS PURRL AT 9000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 35R APPROACH.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

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PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY
NOTE: DENVER CENTER WILL ISSUE "DESCEND VIA" CLEARANCE AND LANDING DIRECTION.
NOTE: EXPECT RUNWAY ASSIGNMENT ON INITIAL CONTACT WITH DENVER TRACON.
NOTE: LANDING NORTH SELECT RWY 35R TRANSITION.
NOTE: LANDING SOUTH SELECT RWY 17R TRANSITION.
NOTE: LANDING EAST SELECT RWY 7 TRANSITION.
NOTE: LANDING WEST SELECT RWY 26 TRANSITION.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT CLASH: HOLD SE, LT, 293.38 INBOUND, 10 NM LEGS.
CHART HOLDING AT DYLLN: HOLD SE, LT, 294.44 INBOUND, 12 NM LEGS.
CHART HOLDING AT EVRLY: HOLD SE, LT, 296.30 INBOUND, 10 NM LEGS.
CHART HOLDING AT IDOLL: HOLD SE, LT, 304.74 INBOUND, 11 NM LEGS.
CHART HOLDING AT ININN: HOLD E, LT, 277.69 INBOUND, 12 NM LEGS.
CHART HOLDING AT LYNKN: HOLD SE, RT, 293.84 INBOUND, 12 NM LEGS.
CHART HOLDING AT OATHE: HOLD E, RT, 261.30 INBOUND, 12 NM LEGS.
CHART HOLDING AT JAAAM: HOLD SE, LT, 300.23 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

CHART: DENVER ARTCC.
CHART: DENVER TOWER.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
DEN	DENVER	CO

LOST COMMUNICATIONS PREFERENCES:

IN THE EVENT OF LOST COMMUNICATIONS PRIOR TO RUNWAY TRANSITION ASSIGNMENT, WHEN DEN IS LANDING SOUTH, EXECUTE THE ILS RWY 17R, WHEN DEN IS LANDING NORTH, EXECUTE THE ILS RWY 35R.

REMARKS:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
MAG VAR: DEN 08E/2015
CHART AT CLFFF TERMINUS: DEN LDG RWY 16R
CHART AT EBBLR TERMINUS: DEN LDG RWY 34L/R, 35L
CHART AT QWIKI TERMINUS: DEN LDG RWY 16L, 17L/R

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CHART AT BBOOK TERMINUS: DEN LDG RWY 7, 8					
CHART AT FIDLS TERMINUS: DEN LDG RWY 25, 26					
CHART AT PURRL TERMINUS: DEN LDG RWY 35R					

FLIGHT INSPECTED BY:	<i>Digitally signed by</i> ROBERT G HAMILTON	ORGANIZATION:	DATE:	Flight Inspected Signature:	_____
JOEL P MURPHY	Feb 06, 2025	AJF	02/05/2025		
DEVELOPED BY:	<i>Digitally signed by</i> ROBERT G HAMILTON	ZDV Airspace&Procedur es	05/01/2024	Developed By Signature:	_____
jenifer Nordstrom	Feb 06, 2025				
APPROVED BY:	<i>Digitally signed by</i> ROBERT G HAMILTON	AJV-A430		Approved By Signature:	_____
Bev Bordy	Feb 06, 2025				

CHANGES:

1. REMOVED NOTE: TURBOJET AIRCRAFT DESCEND VIA MACH NUMBER UNTIL INTERCEPTING 280 KIAS. MAINTAIN 280 KIAS UNTIL SLOWED BY STAR.
2. ADDED AT 280 KIAS SPEED RESTRICTION AT CLASH.
3. ADDED HOLDING AT JAAAM WP: HOLD SE, LT, 300.23 INBOUND, 10 NM LEGS.
4. ADDED RRUSL WP 10 NM SE OF CLASH WP ON THE KISS AND OATHE EN ROUTE TRANSITIONS.
5. CHANGED MAX ALTITUDE AT EVRLY FROM FL200 TO FL190.
6. ADJUSTED MEAS.
7. REMOVED AIRPORT NAME FROM AIRPORTS SERVED AND ADDED AIRPORT ID; REMOVED K IDENT FROM 17.1 FORM.
8. REVISED COMMON ROUTE ARRIVAL DESCRIPTION.
9. CHANGED TURBOJET NOTE TO REFLECT JET.
10. EQUIPMENT REQUIREMENTS NOTE CHANGED FROM RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT TO RADAR REQUIRED.
11. MOCA VALUES ADDED FOR ALL TRANSITION ROUTE SEGMENTS.
12. REMOVED DEN APP CON FROM COMMUNICATIONS.
13. ADDED DEN ARTCC TO COMMUNICATIONS.

REASONS:

- 1-2. TO SATISFY ERC/ATSAP SAFETY COUNCIL RECOMMENDATION.
3. ATC REQUEST.
4. ATC REQUEST TO FACILITATE SPEED MANAGEMENT.
5. ATC REQUEST TO CONTAIN AIRCRAFT WITHIN ANTICIPATED DESCENT PROFILE.
6. NEW TERRAIN/OBSTACLE EVALUATION AND DME/DME ASSESSMENT.
7. IAW 8260.19J DOCUMENTATION STANDARDS.
8. ATC REQUEST TO MATCH ALTITUDE CHANGE AT EVRLY WP.
9. CURRENT DOCUMENTATION STANDARDS.

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10. REQUIRED FOR RADAR VECTORS IAW 8260.19J 4-5-12.d.(2)(b)

11. MOCA ALWAYS DOCUMENTED IAW 8260.19J 4-5-12.b.(8)

12. APPROACH CONTROL AUTOMATICALLY CHARTED AND DOES NOT NEED TO BE DOCUMENTED IN THIS SECTION IAW 8260.19J PARA 4-5-12(F).

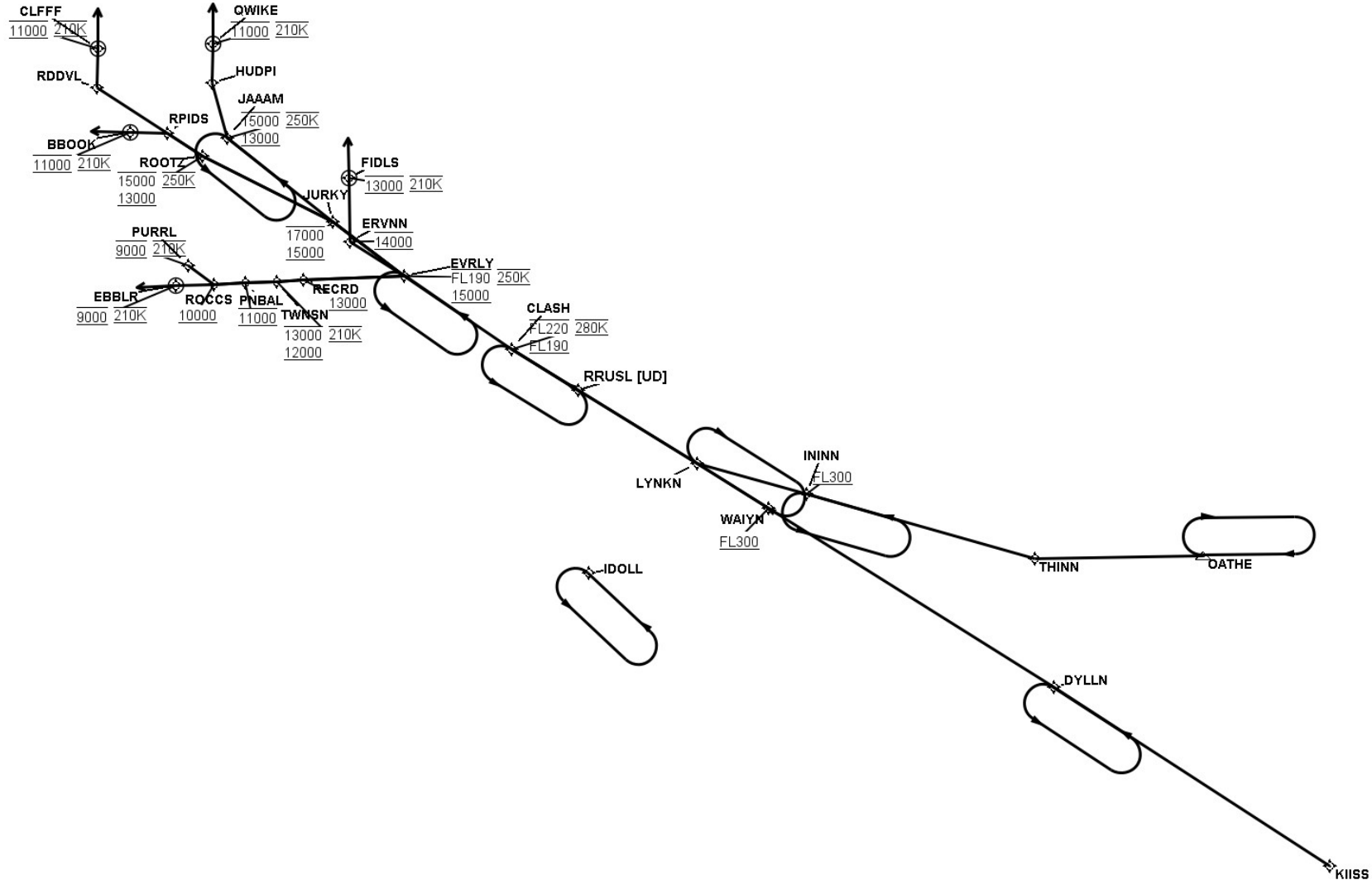
13. ATC REQUEST.

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Graphic Depiction 1



**FEDERAL AVIATION ADMINISTRATION
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STAR (DATA RECORD)**

Arrival Name CLASH (RNAV)	Number FIVE	STAR Computer Code CLASH.CLASH5		Superseded Number FOUR		Dated 10/07/2021		Effective Date 12 JUN 25	
<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>
En Route Transition									
KIISS	381136.34N / 1012636.25W	Y		IF					KIISS.CLASH5
DYLLN	383416.08N / 1021218.74W	Y	FB	TF	302.44	42.48			
WAIYN	385658.72N / 1025924.53W	Y	FB	TF	301.87	43.26	AT/ABOVE FL300		
LYNKN	390240.14N / 1031110.79W	Y	FB	TF	301.84	10.79			
RRUSL	391200.51N / 1033054.93W	Y	FB	TF	301.38	17.97			
CLASH	391710.87N / 1034156.10W	Y	FB	TF	301.18	10.00	FL190BFL220	AT 280K	
En Route Transition									
OATHE	385059.03N / 1014739.33W	Y		IF					OATHE.CLASH5
THINN	385039.68N / 1021526.85W	Y	FB	TF	269.30	21.71			
ININN	385848.87N / 1025305.95W	Y	FB	TF	285.69	30.50	AT/ABOVE FL300		
LYNKN	390240.14N / 1031110.79W	Y	FB	TF	285.38	14.61			
RRUSL	391200.51N / 1033054.93W	Y	FB	TF	301.38	17.97			
CLASH	391710.87N / 1034156.10W	Y	FB	TF	301.18	10.00	FL190BFL220	AT 280K	
Common Route									
CLASH	391710.87N / 1034156.10W	Y		IF			FL190BFL220	AT 280K	CLASH.CLASH5
EVRLY	392630.06N / 1035935.67W	Y	FB	TF	304.30	16.56	15000BFL190	AT 250K	
Runway Transition									
EVRLY	392630.06N / 1035935.67W	Y		IF			15000BFL190	AT 250K	
JURKY	393319.78N / 1041127.02W	Y	FB	TF	306.69	11.44	15000B17000		
ROOTZ	394138.07N / 1043259.98W	Y	FB	TF	296.60	18.60	13000B15000	AT 250K	
RPIDS	394434.57N / 1043848.54W	Y	FB	TF	303.28	05.36			
BBOOK	394439.67N / 1044456.83W	Y	FO	TF	271.06	04.74	AT 11000	AT 210K	
KDEN:RWY 7,RWY 8				FM	271.06				
Runway Transition									
EVRLY	392630.06N / 1035935.67W	Y		IF			15000BFL190	AT 250K	

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
JURKY	393319.78N / 1041127.02W	Y	FB	TF	306.69	11.44	15000B17000		
JAAAM	394357.46N / 1042857.43W	Y	FB	TF	308.23	17.19	13000B15000	AT 250K	
HUDPI	395055.21N / 1043122.20W	Y	FB	TF	345.05	07.20			
QWIKE	395555.43N / 1043118.56W	Y	FO	TF	000.53	05.00	AT 11000	AT 210K	
KDEN:RWY 16L,RWY 17L,RWY 17R				FM	000.53				
Runway Transition									
EVRLY	392630.06N / 1035935.67W	Y		IF			15000BFL190	AT 250K	
JURKY	393319.78N / 1041127.02W	Y	FB	TF	306.69	11.44	15000B17000		
ROOTZ	394138.07N / 1043259.98W	Y	FB	TF	296.60	18.60	13000B15000	AT 250K	
RPIDS	394434.57N / 1043848.54W	Y	FB	TF	303.28	05.36			
RDDVL	395019.88N / 1045024.03W	Y	FB	TF	302.83	10.63			
CLFFF	395520.10N / 1045020.55W	Y	FO	TF	000.51	05.00	AT 11000	AT 210K	
KDEN:RWY 16R				FM	000.51				
Runway Transition									
EVRLY	392630.06N / 1035935.67W	Y		IF			15000BFL190	AT 250K	
ERVNN	393048.72N / 1040837.31W	Y	FB	TF	301.69	08.21	AT 14000		
FIDLS	393856.29N / 1040847.49W	Y	FO	TF	359.08	08.12	AT 13000	AT 210K	
KDEN:RWY 25,RWY 26				FM	359.08				
Runway Transition									
EVRLY	392630.06N / 1035935.67W	Y		IF			15000BFL190	AT 250K	
RECRD	392554.84N / 1041622.12W	Y	FB	TF	267.50	13.01	AT/ABOVE 13000		
TWNSN	392545.21N / 1042045.89W	Y	FB	TF	267.33	03.41	12000B13000	AT 210K	
PNBAL	392533.80N / 1042556.05W	Y	FB	TF	267.31	04.01	AT 11000		
ROCCS	392523.36N / 1043106.25W	Y	FB	TF	267.54	04.01	AT/ABOVE 10000		

QUALITY
35
CHECKED

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EBBLR	392512.85N / 1043723.62W	Y	FO	TF	267.98	04.88	AT 9000	AT 210K	
KDEN:RWY 34L,RWY 34R,RWY 35L				FM	267.98				
Runway Transition									
EVRLY	392630.06N / 1035935.67W	Y		IF			15000BFL190	AT 250K	
RECRD	392554.84N / 1041622.12W	Y	FB	TF	267.50	13.01	AT/ABOVE 13000		
TWNSN	392545.21N / 1042045.89W	Y	FB	TF	267.33	03.41	12000B13000	AT 210K	
PNBAL	392533.80N / 1042556.05W	Y	FB	TF	267.31	04.01	AT 11000		
ROCCS	392523.36N / 1043106.25W	Y	FB	TF	267.54	04.01	AT/ABOVE 10000		
PURRL	392744.44N / 1043516.99W	Y	FB	TF	305.99	04.00	AT 9000	AT 210K	
KDEN:RWY 35R									