

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Arrival Name TBARR (RNAV)	Number ONE	STAR Computer Code TBARR.TBARR1	Superseded Number NONE	Dated	Effective Date 26 MAR 20				
TRANSITION ROUTES:									
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
GNDLA	GNDLA.TBARR1	GNDLA	GNDLA						
			NVVER	004.64	56.00	FL270			
			BBRRO	004.77	59.78	FL270			AT/ABOVE FL270
			LIFTE	042.10	21.76	FL200			
			TBARR	042.43	24.85	FL200			AT/ABOVE FL200
NVVER	NVVER.TBARR1	NVVER	NVVER			FL270			
			BBRRO	004.77	59.78	FL270			AT/ABOVE FL270
			LIFTE	042.10	21.76	FL200			
			TBARR	042.43	24.85	FL200			AT/ABOVE FL200
SHNPS	SHNPS.TBARR1	SHNPS	SHNPS						
			BBRRO	042.08	47.50	FL270			AT/ABOVE FL270
			LIFTE	042.10	21.76	FL200			
			TBARR	042.43	24.85	FL200			AT/ABOVE FL200
WUNZE	WUNZE.TBARR1	WUNZE	WUNZE						AT/BELOW FL260
			TBARR	057.66	78.00	FL200			AT/ABOVE FL200

ARRIVAL ROUTE DESCRIPTION:

FROM TBARR ON TRACK 042.98/13.00 TO CROSS MNARK BETWEEN 17000 AND 21000 AND AT 250 KIAS.

LANDING RWY 16L/R, 7, 8: FROM MNARK ON TRACK 027.77/13.19 TO CROSS EOLUS BETWEEN 15000 AND 17000, THEN ON TRACK 027.38/19.60 TO CROSS EPPIC BETWEEN 13000 AND 15000 AND AT 240 KIAS, THEN ON TRACK 352.51/6.55 TO RDDVL, THEN ON TRACK 352.51/5.00 TO CROSS CLFFF AT 11000 AND AT 210 KIAS, THEN ON TRACK 352.51. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 17L/R: FROM MNARK ON TRACK 027.77/13.19 TO CROSS EOLUS BETWEEN 15000 AND 17000, THEN ON TRACK 038.45/20.23 TO CROSS ZATUT BETWEEN 13000 AND 15000 AND AT 240 KIAS, THEN ON TRACK 037.17/7.37 TO LOOOP, THEN ON TRACK 049.13/7.38 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 25, 26: FROM MNARK ON TRACK 027.77/13.19 TO CROSS EOLUS BETWEEN 15000 AND 17000, THEN ON TRACK 038.45/20.23 TO CROSS ZATUT BETWEEN 13000 AND 15000 AND AT 240 KIAS, THEN ON TRACK 037.17/7.37 TO LOOOP, THEN ON TRACK 081.56/4.74 TO CROSS JIBAT AT 11000 AND AT 210 KIAS, THEN ON TRACK 081.56. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 34L/R: FROM MNARK ON TRACK 073.29/11.73 TO CROSS BDIVN AT OR BELOW 15000, THEN ON TRACK 068.48/6.00 TO CROSS KUSHH AT 14000 AND AT 210 KIAS, THEN ON TRACK 063.97/4.40 TO CROSS LDORA AT 13000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 34L/R APPROACH.

LANDING RWY 35L/R: FROM MNARK ON TRACK 073.29/11.73 TO CROSS BDIVN AT OR BELOW 15000, THEN ON TRACK 068.48/6.00 TO CROSS KUSHH AT 14000 AND AT 210 KIAS, THEN ON TRACK 063.97/4.40 TO CROSS LDORA AT 13000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 35L/R APPROACH.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

QUALITY  
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CHECKED

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<b>TBARR (RNAV)</b>	<b>ONE</b>	<b>TBARR.TBARR1</b>	<b>NONE</b>		<b>26 MAR 20</b>
NOTE: DME/DME/IRU OR GPS REQUIRED					
NOTE: TURBOJET AIRCRAFT ONLY					
NOTE: EXPECT RUNWAY ASSIGNMENT ON INITIAL CONTACT WITH DENVER TRACON.					
NOTE: NVVER ENROUTE TRANSITION IS ATC ASSIGNED ONLY.					
<u>FIXES AND/OR HOLDING PATTERNS:</u>					
CHART CRUDD AND HOLDING AT CRUDD: HOLD SW, RT, 037.00 INBOUND, 12 NM LEGS.					
CHART HOLDING AT LIFTE: HOLD SW, RT, 042.05 INBOUND, 12 NM LEGS.					
CHART HOLDING AT MNARK: HOLD SW, LT, 042.98 INBOUND, 10 NM LEGS.					
CHART HOLDING AT NVVER: HOLD S, LT, 004.64 INBOUND, 12 NM LEGS.					
CHART HOLDING AT TBARR: HOLD SW, LT, 042.43 INBOUND, 12 NM LEGS.					
CHART HOLDING AT WUNZE: HOLD SW, RT, 057.66 INBOUND, 12 NM LEGS.					
<u>COMMUNICATIONS:</u>					
DENVER APP CON, D-ATIS ARR, DENVER TOWER					
<u>AIRPORTS SERVED:</u>					
DENVER INTL, DENVER, CO (KDEN)					
<u>LOST COMMUNICATIONS PROCEDURE:</u>					
IN THE EVENT OF LOST COMMUNICATIONS PRIOR TO RUNWAY TRANSITION ASSIGNMENT, WHEN DEN IS LANDING SOUTH, EXECUTE THE ILS RWY 16R, WHEN DEN IS LANDING NORTH, EXECUTE THE ILS RWY 35L.					
<u>REMARKS:</u>					
MEA'S FL200 AND ABOVE NEEDED TO MITIGATE CRITICAL DME'S AND INSURE ADEQUATE SIGNAL RECEPTION FOR DME/DME/IRU NAVIGATION					
<u>ADDITIONAL FLIGHT DATA:</u>					
DME/DME ASSESSMENT: SAT (RNP 2.0)					
REFERENCE MAGNETIC VARIATION = KDEN 08E/2015					
CHART AT LDORA TERMINUS: LDG KDEN RWYS 34 L/R AND 35 L/R					
CHART AT CLFFF TERMINUS: LDG KDEN RWYS 07, 08 AND 16L/R					
CHART AT QWIKI TERMINUS: LDG KDEN RWYS 17 L/R					
CHART AT JIBAT TERMINUS: LDG KDEN RWYS 25 AND 26					

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>TBARR (RNAV)</b>	<b>ONE</b>	<b>TBARR.TBARR1</b>	<b>NONE</b>		<b>26 MAR 20</b>
<u>FLIGHT INSPECTED BY:</u>				<i>Digitally signed by</i> <b>JACOB POWERS</b> Jan 10, 2020	
ALEX KRAUSE		FICO	1/8/20		
Name		Organization	Date	Signature	
<u>DEVELOPED BY:</u>				<i>Digitally signed by</i> <b>JACOB POWERS</b> Jan 10, 2020	
John Connolly DEN Metroplex manager		DENVER ARTCC	6/10/2019		
Name		Organization	Date	Signature	
<u>APPROVED BY:</u>				<i>Digitally signed by</i> <b>JACOB POWERS</b> Jan 10, 2020	
PAT MULQUEEN, MANAGER		AJV-A440			
Name		Organization	Date	Signature	

CHANGES:

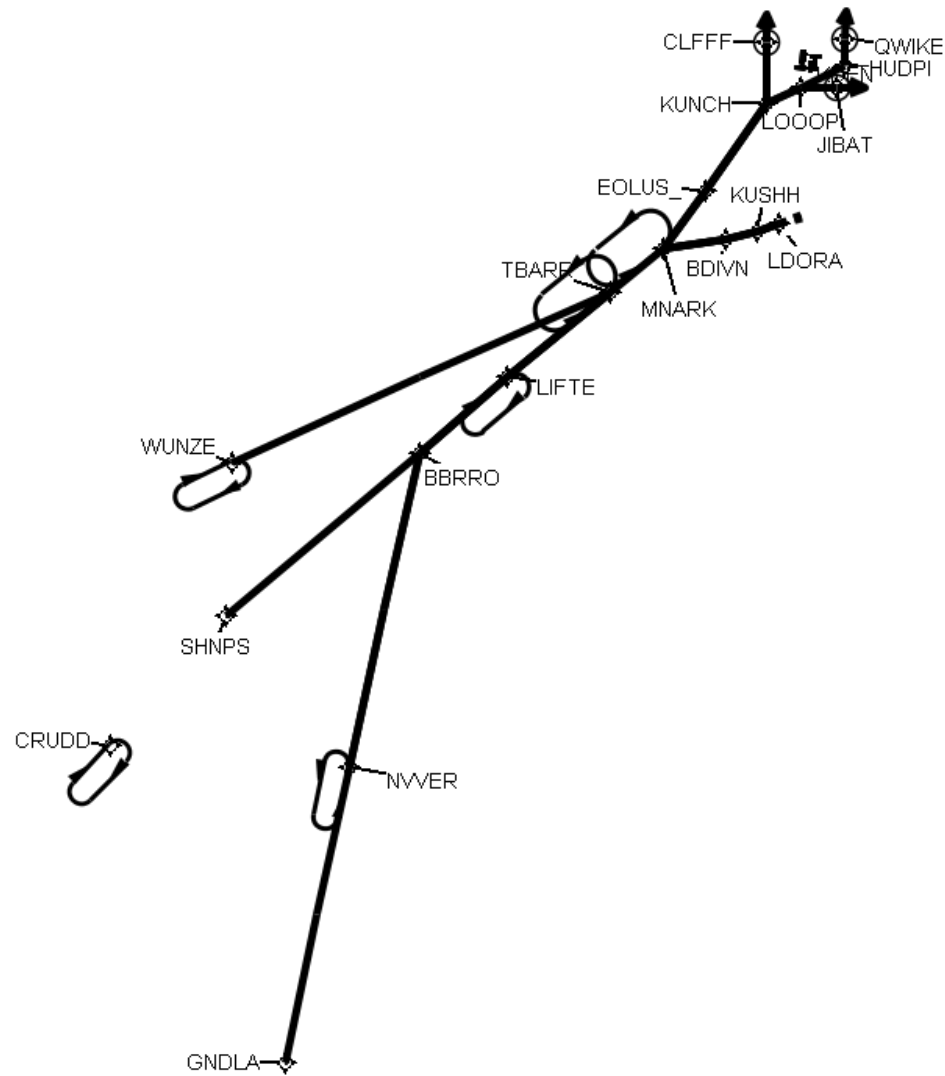
REASONS:

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
TBARR (RNAV)	ONE	TBARR.TBARR1	NONE		26 MAR 20
Graphic Depiction 1					



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)

Arrival Name TBARR (RNAV)		Number ONE		STAR Computer Code TBARR.TBARR1		Superseded Number NONE		Dated	Effective Date 26 MAR 20
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
GNDLA	364607.74N / 1064627.69W	Y		IF					GNDLA.TBARR1
NVVER	374049.33N / 1063101.41W	Y	FB	TF	012.64	56.00			
BBRRO	383910.18N / 1061409.27W	Y	FB	TF	012.77	59.78	AT/ABOVE FL270		
LIFTE	385306.51N / 1055246.66W	Y	FB	TF	050.10	21.76			
TBARR	390854.64N / 1052809.30W	Y	FB	TF	050.43	24.85	AT/ABOVE FL200		
En Route Transition									
NVVER	374049.33N / 1063101.41W	Y		IF					NVVER.TBARR1
BBRRO	383910.18N / 1061409.27W	Y	FB	TF	012.77	59.78	AT/ABOVE FL270		
LIFTE	385306.51N / 1055246.66W	Y	FB	TF	050.10	21.76			
TBARR	390854.64N / 1052809.30W	Y	FB	TF	050.43	24.85	AT/ABOVE FL200		
En Route Transition									
SHNPS	380848.29N / 1070039.70W	Y		IF					SHNPS.TBARR1
BBRRO	383910.18N / 1061409.27W	Y	FB	TF	050.08	47.50	AT/ABOVE FL270		
LIFTE	385306.51N / 1055246.66W	Y	FB	TF	050.10	21.76			
TBARR	390854.64N / 1052809.30W	Y	FB	TF	050.43	24.85	AT/ABOVE FL200		
En Route Transition									
WUNZE	383719.43N / 1065930.44W	Y		IF			AT/BELOW FL260		WUNZE.TBARR1
TBARR	390854.64N / 1052809.30W	Y	FB	TF	065.66	78.00	AT/ABOVE FL200		
Common Route									
TBARR	390854.64N / 1052809.30W	Y		IF			AT/ABOVE FL200		TBARR.TBARR1
MNARK	391705.40N / 1051508.77W	Y	FB	TF	050.98	13.00	17000BFL210	AT 250K	
Runway Transition									
MNARK	391705.40N / 1051508.77W	Y		IF			17000BFL210	AT 250K	
EOLUS	392747.88N / 1050511.27W	Y	FB	TF	035.77	13.19	15000B17000		

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Arrival Name TBARR (RNAV)	Number ONE	STAR Computer Code TBARR.TBARR1		Superseded Number NONE		Dated		Effective Date 26 MAR 20	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
EPPIC	394346.71N / 1045028.58W	Y	FB	TF	035.38	19.60	13000B15000	AT 240K	
RDDVL	395019.88N / 1045024.03W	Y	FB	TF	000.51	06.55			
CLFFF	395520.10N / 1045020.55W	Y	FO	TF	000.51	05.00	AT 11000	AT 210K	
KDEN:RWY 7,RWY 8,RWY 16L,RWY 16R				FM	000.51				
Runway Transition									
MNARK	391705.40N / 1051508.77W	Y		IF			17000BFL210	AT 250K	
EOLUS	392747.88N / 1050511.27W	Y	FB	TF	035.77	13.19	15000B17000		
ZATUT	394143.17N / 1044611.89W	Y	FB	TF	046.45	20.23	13000B15000	AT 240K	
LOOOP	394654.97N / 1043925.16W	Y	FB	TF	045.17	07.37			
HUDPI	395055.21N / 1043122.20W	Y	FB	TF	057.13	07.38			
QWIKI	395555.43N / 1043118.56W	Y	FO	TF	000.53	05.00	AT 11000	AT 210K	
KDEN:RWY 17L,RWY 17R				FM	000.53				
Runway Transition									
MNARK	391705.40N / 1051508.77W	Y		IF			17000BFL210	AT 250K	
EOLUS	392747.88N / 1050511.27W	Y	FB	TF	035.77	13.19	15000B17000		
ZATUT	394143.17N / 1044611.89W	Y	FB	TF	046.45	20.23	13000B15000	AT 240K	
LOOOP	394654.97N / 1043925.16W	Y	FB	TF	045.17	07.37			
JIBAT	394657.00N / 1043316.27W	Y	FO	TF	089.56	04.74	AT 11000	AT 210K	
KDEN:RWY 25,RWY 26				FM	089.56				
Runway Transition									
MNARK	391705.40N / 1051508.77W	Y		IF			17000BFL210	AT 250K	
BDIVN	391851.04N / 1050012.56W	Y	FB	TF	081.29	11.73	AT/BELOW 15000		
KUSHH	392014.98N / 1045241.70W	Y	FB	TF	076.48	06.00	AT 14000	AT 210K	

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
LDORA	392136.64N / 1044718.04W	Y	FB	TF	071.97	04.40	AT 13000	AT 210K	
KDEN:RWY 34L,RWY 34R									
Runway Transition									
MNARK	391705.40N / 1051508.77W	Y		IF			17000BFL210	AT 250K	
BDIVN	391851.04N / 1050012.56W	Y	FB	TF	081.29	11.73	AT/BELOW 15000		
KUSHH	392014.98N / 1045241.70W	Y	FB	TF	076.48	06.00	AT 14000	AT 210K	
LDORA	392136.64N / 1044718.04W	Y	FB	TF	071.97	04.40	AT 13000	AT 210K	
KDEN:RWY 35L,RWY 35R									