

**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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
KIPPR (RNAV)	FIVE	LANDR.KIPPR5	FOUR	09/15/2016	13 SEP 18

TRANSITION ROUTES:

THIS IS A CORRECTED COPY OF THE PROCEDURE PREVIOUSLY PUBLISHED IN NFDD 143

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
SCOTTSBLUFF	BFF.KIPPR5	BFF VORTAC	SUSHE	173.14	58.07	FL210			AT/ABOVE FL300
			LIBIE	192.97	20.84	16000	7000		
			ANCHR	218.26	11.35	16000	7200		AT/ABOVE 17000
			LANDR	218.17	09.74	16000	7200		BETWEEN 17000 AND FL190
WOLBACH	OBH.KIPPR5	OBH VORTAC	CTFSH	258.96	159.04	FL210			
			BRRUK	240.04	19.64	FL210			
			DORSL	239.33	41.68	FL210			
			LIBIE	238.77	28.13	16000	7000		
			ANCHR	218.26	11.35	16000	7200		AT/ABOVE 17000
			LANDR	218.17	09.74	16000	7200		BETWEEN 17000 AND FL190
			YANKI	231.00	107.66	FL230			
			CAAST	240.06	19.88	FL230			
O'NEILL	ONL.KIPRR5	ONL VORTAC	CTFSH	239.99	35.03	FL210			
			BRRUK	240.04	19.64	FL210			

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KIPPR (RNAV)			FIVE	LANDR.KIPPR5	FOUR	09/15/2016	13 SEP 18
			DORSL	239.33	41.68	FL210	
			LIBIE	238.77	28.13	16000 7000	
			ANCHR	218.26	11.35	16000 7200	AT/ABOVE 17000
			LANDR	218.17	09.74	16000 7200	BETWEEN 17000 AND FL190
SAUGI	SAUGI.KIPPR5	SAUGI	YANKI	250.42	105.35	FL230	
			CAAST	240.06	19.88	FL230	
			CTFSH	239.99	35.03	FL210	
			BRRUK	240.04	19.64	FL210	
			DORSL	239.33	41.68	FL210	
			LIBIE	238.77	28.13	16000 7000	
			ANCHR	218.26	11.35	16000 7200	AT/ABOVE 17000
			LANDR	218.17	09.74	16000 7200	BETWEEN 17000 AND FL190
SIDNEY	SNY.KIPPR5	SNY VOR/DME	FONTO	218.73	30.05	FL210	
			LIBIE	218.41	13.11	16000 7000	
			ANCHR	218.26	11.35	16000 7200	AT/ABOVE 17000
			LANDR	218.17	09.74	16000 7200	BETWEEN 17000 AND FL190

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ARRIVAL ROUTE DESCRIPTION:

FROM LANDR ON TRACK 261.13/16.71 TO CROSS HIGUN AT 14000 AND AT 210 KIAS (MEA 9000/MOCA 7000), THEN ON TRACK 260.83/9.00 TO CROSS KIPPR AT 12000 AND AT 210 KIAS (MEA 7000). EXPECT ILS OR VISUAL APPROACH AS ASSIGNED BY ATC.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: TURBOJET AIRCRAFT ONLY.

NOTE: EXPECT RUNWAY ASSIGNMENT ON INITIAL CONTACT WITH DENVER TRACON.

NOTE: AIRCRAFT LANDING AT BJC/FNL/GXY, EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

NOTE: THE CORRESPONDING RNAV STAR IS ANCHR, EXPECT ANCHR WHEN DEN IS LANDING NORTH.

NOTE: THE OBH TRANSITION ATC ASSIGNED ONLY.

NOTE: DESCEND VIA MACH NUMBER UNTIL TRANSITION TO 280K. MAINTAIN 280K UNTIL SLOWED BY STAR OR ASSIGNED BY ATC.

NOTE: FOR NON-GPS EQUIPPED AIRCRAFT, GLL DME MUST BE OPERATIONAL.

NOTE: FOR NON-GPS EQUIPPED AIRCRAFT USING SAUGI TRANSITION, OBH DME MUST BE OPERATIONAL.

FIXES AND/OR HOLDING PATTERNS:

CHART: HOLDING AT OBH VORTAC (HOLD E, RT, 260.00 INBOUND, 10 NM LEGS).

CHART: HOLDING AT ONL VORTAC (HOLD E, RT, 256.00 INBOUND, 10 NM LEGS).

CHART: HOLDING AT SAUGI (HOLD E, RT, 260.00 INBOUND, 10 NM LEGS).

CHART: HOLDING AT SNY VOR/DME (HOLD E, LT, 253.96 INBOUND, 10 NM LEGS)

CHART: HOLDING AT LIBIE (HOLD NE, LT, 213.73 INBOUND, 10 NM LEGS).

CHART: HOLDING AT CAAST (HOLD NE, LT, 240.06 INBOUND, 10 NM LEGS).

CHART: HOLDING AT DORSL (HOLD NE, RT, 238.96 INBOUND, 10 NM LEGS).

CHART: HOLDING AT BFF VORTAC (HOLD NE, RT, 210.00 INBOUND, 10 NM LEGS).

CHART: HOLDING AT YANKI (HOLD NE, LT, 231.00 INBOUND, 10 NM LEGS).

COMMUNICATIONS:

DEN APP CON, DEN INTL ATIS ARR, ROCKY MTN METRO TWR, ROCKY MTN METRO ATIS, GREELEY CTAF, NORTHERN COLORADO RGNL CTAF

AIRPORTS SERVED:

AIRPORT NAME	CITY	STATE
DENVER INTL	DENVER	CO
GREELEY-WELD COUNTY	GREELEY	CO
NORTHERN COLORADO RGNL	FORT COLLINS/LOVELAND	CO

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KIPPR (RNAV)	FIVE	LANDR.KIPPR5	FOUR	09/15/2016	13 SEP 18

ROCKY MOUNTAIN METROPOLITAN

DENVER

CO

LOST COMMUNICATIONS PREFERENCES:

LANDING DEN: IN THE EVENT OF LOST COMMUNICATIONS PRIOR TO RUNWAY ASSIGNMENT, EXECUTE THE ILS RWY 17R.
 LANDING GXY: IN THE EVENT OF LOST COMMUNICATIONS, PROCEED DIRECT WAVDI FOR ILS RWY 35.
 LANDING FNL: IN THE EVENT OF LOST COMMUNICATIONS PROCEED TO COLLN, EXECUTE THE ILS RWY 33.
 LANDING BJC: IN THE EVENT OF LOST COMMUNICATIONS PROCEED TO BIZEN, EXECUTE THE VOR/DME RWY 30L/R.

REMARKS:

MOUNTAINOUS ROC REDUCTION REQUIRED FOR LEG HIGUN TO KIPPR.
 TARGETS VERIFIED NO PRECIPITOUS TERRAIN PRESENT.
 MAXIMUM TREE HEIGHT WITHIN 50 NM OF DEN IS 40 FT AGL. SOURCE: COLORADO STATE FOREST SERVICE.
 TREE HEIGHT APPLIED TO 4899 MSL TERRAIN TO ALLOW MEA 7000/MOCA 6700.
 KIPPR FIVE AMENDMENT DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0).
 REFERENCE MAGNETIC VARIATION: KDEN 8E/2015.

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED-PROCESSED IAW
 AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.

ORGANIZATION:

AJW-333

DATE:

Flight Inspected Signature:

Digitally signed by
DONALD H LANIER
 Jul 20, 2018

DEVELOPED BY:

LONNIE EVERHART (LOIS LEGAKO)

04/10/2018

Developed By Signature:

Digitally signed by
DONALD H LANIER
 Jul 20, 2018

APPROVED BY:

LONNIE EVERHART

AJV-5400

Approved By Signature:

Digitally signed by
DONALD H LANIER
 Jul 20, 2018

CHANGES:

1. CHANGED FORT COLLINS/LOVELAND CTAF TO NORTHERN COLORADO RGNL CTAF UNDER COMMUNICATIONS.
2. CHANGED FORT COLLINS-LOVELAND MUNI TO NORTHERN COLORADO RGNL UNDER AIRPORTS SERVED..

REASONS:

1, 2: AIRPORT NAME CHANGE.

08/03/2018: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 07/20/2018.

1. O'NEILL TRANSITION: REMOVED MOCA 7000 FROM FIX DORSL AND ADDED MOCA 7000 TO FIX LIBIE.
2. ADDED NAME SAUGI TO THE FROM COLUMN FOR THE SAUGI TRANSITION.

FAA Form 8260-17.1 (06/15)

Electronic Version



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STAR (DATA RECORD)**

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
KIPPR (RNAV)	FIVE	LANDR.KIPPR5	FOUR	09/15/2016	13 SEP 18

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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En Route Transition

BFF VORTAC	415338.99N / 1032855.31W	Y		IF					BFF.KIPPR5
SUSHE	405533.35N/1033026.65W	Y	FB	TF	181.14	58.07	AT/ ABOVE FL300		
LIBIE	403604.47N/1034014.27W	Y	FB	TF	200.97	20.84			
ANCHR	02812.80N/1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
LANDR	402127.26N/1040010.67W	Y	FB	TF	226.17	09.74	17000BFL190	AT 250K	

En Route Transition

OBH VORTAC	412232.65N/0982112.94W	Y		IF					OBH.KIPPR5
CTFSH	411054.39N/1015135.98W	Y	FB	TF	266.96	159.04			
BRRUK	410330.99N/1021540.36W	Y	FB	TF	248.04	19.64			
DORSL	404715.55N/1030618.40W	Y	FB	TF	247.33	41.68			
LIBIE	403604.47N/1034014.27W	Y	FB	TF	246.77	28.13			
ANCHR	402812.80N/1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
LANDR	402127.26N/1040010.67W	Y	FB	TF	226.17	09.74	17000BFL190	AT 250K	

QUALITY
14
CHECKED

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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En Route Transition

ONL VORTAC	422813.80N/0984112.94W	Y		IF					ONL.KIPPR5
YANKI	413139.04N/1004405.00W	Y	FB	TF	239.00	107.66			
CAAST	412410.46N/1010835.53W	Y	FB	TF	248.06	19.88			
CTFSH	411054.39N/1015135.98W	Y	FB	TF	247.99	35.03			
BRRUK	410330.99N/1021540.36W	Y	FB	TF	248.04	19.64			
DORSL	404715.55N/1030618.40W	Y	FB	TF	247.33	41.68			
LIBIE	403604.47N/1034014.27W	Y	FB	TF	246.77	28.13			
ANCHR	402812.80N/1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
LANDR	402127.26N/1040010.67W	Y	FB	TF	226.17	09.74	17000BFL190	AT 250K	

En Route Transition

SAUGI	415411.08N/0982639.76W	Y		IF					SAUGI.KIPPR5
YANKI	413139.04N/1004405.00W	Y	FB	TF	258.42	105.35			

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
CAAST	412410.46N/1010835.53W	Y	FB	TF	248.06	19.88			
CTFSH	411054.39N/1015135.98W	Y	FB	TF	247.99	35.03			
BRRUK	410330.99N/1021540.36W	Y	FB	TF	248.04	19.64			
DORSL	404715.55N/1030618.40W	Y	FB	TF	247.33	41.68			
LIBIE	403604.47N/1034014.27W	Y	FB	TF	246.77	28.13			
ANCHR	402812.80N/1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
LANDR	402127.26N/1040010.67W	Y	FB	TF	226.17	09.74	17000BFL190	AT 250K	
En Route Transition									
SNY VOR/DME	410548.00N/1025858.80W	Y		IF					SNY.KIPPR5
FONTO	404507.98N/1032746.00W	Y	FB	TF	226.73	30.05			
LIBIE	403604.47N/1034014.27W	Y	FB	TF	226.41	13.11			
ANCHR	402812.80N/1035058.98W	Y	FB	TF	226.26	11.35	AT/ABOVE 17000		
LANDR	402127.26N/1040010.67W	Y	FB	TF	226.17	09.74	17000BFL190	AT 250K	

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
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Common Route:

LANDR	402127.26N/1040010.67W	Y		IF			17000BFL190		
HIGUN	402109.99N/1042202.21W	Y	FB	TF			AT 14000	AT 210K	
KIPPR	402058.32N/1043347.99W	Y	FB	TF			AT 12000	AT 210K	

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