

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
LONGZ (RNAV)	THREE	LONGZ.LONGZ3	TWO	10/07/2021	16 MAY 24

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
BYYKE	BYYKE.LONGZ3	BYYKE	BYYKE						AT/ABOVE FL250
			BIVVY	088.62	17.29	FL190	15700		BETWEEN FL230 AND FL270
			VESTL	088.47	11.37	FL190	15700		BETWEEN FL210 AND FL250
			LONGZ	093.60	13.41	FL190	15700		BETWEEN FL190 AND FL220
KAMPR	KAMPR.LONGZ3	KAMPR	KAMPR						
			GRAYZ	086.73	62.95	FL190	15700		
			BYYKE	087.57	52.65	FL190	15700		AT/ABOVE FL250
			BIVVY	088.62	17.29	FL190	15700		BETWEEN FL230 AND FL270
			VESTL	088.47	11.37	FL190	15700		BETWEEN FL210 AND FL250
			LONGZ	093.60	13.41	FL190	15700		BETWEEN FL190 AND FL220
LBERT	LBERT.LONGZ3	LBERT	LBERT						
			TORYS	069.16	72.15	FL190	15700		
			BYYKE	076.25	52.72	FL190	15700		AT/ABOVE FL250
			BIVVY	088.62	17.29	FL190	15700		BETWEEN FL230 AND FL270
			VESTL	088.47	11.37	FL190	15700		BETWEEN FL210 AND FL250
			LONGZ	093.60	13.41	FL190	15700		BETWEEN FL190 AND FL220

ARRIVAL ROUTE DESCRIPTION:

FROM LONGZ ON TRACK 093.78/12.00 TO CROSS FLNEL BETWEEN 16000 AND FL210 AND AT 250 KIAS.

LANDING RWY 7, 8: FROM FLNEL ON TRACK 114.62/12.00 TO CROSS GILPN AT 14000, THEN ON TRACK 170.00/8.10 TO CROSS BASHE AT 13000 AND AT 210 KIAS, THEN ON TRACK 170.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 16L/R, 17L/R: FROM FLNEL ON TRACK 091.96/19.33 TO CROSS BEOND AT 13000 AND AT 210 KIAS, THEN ON TRACK 092.17/4.05 TO CROSS SWAYN AT OR ABOVE 12000, THEN ON TRACK 092.22/4.51 TO CROSS KAILE AT 11000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 16L/R OR ILS OR LOC RWY 17L/R APPROACH.

LANDING RWY 25, 26: FROM FLNEL ON TRACK 119.63/16.68 TO CROSS DORKE BETWEEN 15000 AND 17000, THEN ON TRACK 119.75/3.00 TO HLMUT, THEN ON TRACK 106.08/11.48 TO CROSS SKEWD BETWEEN 13000 AND 15000 AND AT 250 KIAS, THEN ON TRACK 117.50/4.70 TO CROSS LEKEE AT OR ABOVE 12000, THEN ON TRACK 117.55/5.24 TO XCUTV, THEN ON TRACK 082.50/3.30 TO CROSS CAPTJ AT 11000 AND AT 210 KIAS, THEN ON TRACK 082.50. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 34L/R, 35L: FROM FLNEL ON TRACK 119.63/16.68 TO CROSS DORKE BETWEEN 15000 AND 17000, THEN ON TRACK 119.75/3.00 TO HLMUT, THEN ON TRACK 127.25/9.65 TO CROSS ARCHY AT OR ABOVE 13000, THEN ON TRACK 127.33/5.00 TO CROSS BABAA BETWEEN 12000 AND 14000 AND AT 250 KIAS, THEN ON TRACK 173.17/10.95 TO CROSS HIMOM AT 11000 AND AT 210 KIAS, THEN ON TRACK 173.17. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 35R: FROM FLNEL ON TRACK 119.63/16.68 TO CROSS DORKE BETWEEN 15000 AND 17000, THEN ON TRACK 119.75/3.00 TO HLMUT, THEN ON TRACK 106.08/11.48 TO CROSS SKEWD BETWEEN 13000 AND 15000 AND AT 250 KIAS, THEN ON TRACK 117.50/4.70 TO CROSS LEKEE AT OR ABOVE 12000, THEN ON TRACK 117.55/5.24 TO XCUTV, THEN ON TRACK 117.48/4.00 TO CROSS HDGHG BETWEEN 12000 AND 14000, THEN ON TRACK 117.82/3.13 TO FFFAT, THEN ON TRACK 172.74/6.11 TO CROSS DOGGG AT 11000 AND AT 210 KIAS, THEN ON TRACK 172.74. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

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<b>LONGZ (RNAV)</b>	<b>THREE</b>	<b>LONGZ.LONGZ3</b>	<b>TWO</b>	<b>10/07/2021</b>	<b>16 MAY 24</b>

**PBN REQUIREMENT NOTES:**

RNAV 1 - DME/DME/IRU OR GPS

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

**PROCEDURAL DATA NOTES:**

NOTE: JET AIRCRAFT ONLY

NOTE: BYYKE ENROUTE TRANSITION: DO NOT FILE -TO BE ASSIGNED BY ATC.

NOTE: DENVER CENTER WILL ISSUE "DESCEND VIA" CLEARANCE AND LANDING DIRECTION.

NOTE: LANDING NORTH SELECT RWY 34R TRANSITION.

NOTE: LANDING SOUTH SELECT RWY 16R TRANSITION.

NOTE: LANDING EAST SELECT RWY 7 TRANSITION.

NOTE: LANDING WEST SELECT RWY 26 TRANSITION.

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

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT BYYKE: HOLD W, RT, 087.57 INBOUND, 12 NM LEGS.

CHART HOLDING AT FLNEL: HOLD W, LT, 093.78 INBOUND, 10 NM LEGS.

CHART HOLDING AT GRAYZ: HOLD W, LT, 086.73 INBOUND, 12 NM LEGS.

CHART HOLDING AT TORYS: HOLD W, RT, 069.16 INBOUND, 12 NM LEGS.

CHART HOLDING AT VESTL: HOLD W, RT, 088.47 INBOUND, 12 NM LEGS.

CHART YYALE AND HOLDING AT YYALE: HOLD W, LT, 088.47 INBOUND, 12 NM LEGS.

**COMMUNICATIONS:**

CHART: DENVER APP CON

CHART: DENVER TOWER

**AIRPORTS SERVED:****AIRPORT ID**

KDEN

**CITY**

DENVER

**STATE**

CO

**LOST COMMUNICATIONS PREFERENCES:**

IN THE EVENT OF LOST COMMUNICATIONS PRIOR TO RUNWAY TRANSITION ASSIGNMENT, WHEN DEN IS LANDING SOUTH PROCEED ON THE ILS RWY 16R, WHEN DEN IS LANDING NORTH, PROCEED ON THE ILS RWY 34R.

**REMARKS:**

ABBREVIATED AMDT WITH FC FOR MOCA VALUES.

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**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)  
MAG VAR: KDEN 08E/2015.  
CHART AT DOGGG TERMINUS: LDG KDEN RWYS 35R.  
CHART AT HIMOM TERMINUS: LDG KDEN RWYS 34L/R AND 35L.  
CHART AT KAILE TERMINUS: LDG KDEN RWYS 16L/R AND 17L/R.  
CHART AT CAPTJ TERMINUS: LDG KDEN RWYS 25 AND 26.  
CHART AT BASHE TERMINUS: LDG KDEN RWYS 7 AND 8.

**FLIGHT INSPECTED BY:**

MATTHEW OLSTAD

**ORGANIZATION:**

FPO

**DATE:**

01/24/2024

Flight Inspected Signature:

*Digitally signed by***JOHN BORDY**

Jan 29, 2024

**DEVELOPED BY:**

BRITNEY ARMENTROUT

AJV-A422

09/11/2023

Developed By Signature:

*Digitally signed by***JOHN BORDY**

Jan 29, 2024

**APPROVED BY:**

JOHN BORDY

AJV-A33

01/29/2024

Approved By Signature:

*Digitally signed by***JOHN BORDY**

Jan 29, 2024

**CHANGES:**

1. ALTITUDE AND SPEED RESTRICTIONS CHANGED AT THE FOLLOWING FIXES:  
BYYKE - CHANGED TO AT/ABOVE FL250 AT 280KTS.
2. ALTITUDE AND SPEED RESTRICTIONS ADDED AT THE FOLLOWING FIXES:  
BIVVY - BETWEEN FL230 AND FL270 AT 280KTS.  
VESTL - BETWEEN FL210 AND FL250 AT 280KTS.
3. MOCAS ADDED TO ALL ENROUTE SEGMENTS.
4. MEAS ON LBERT AND KAMPR TRANSITIONS LOWERED TO 19000.
5. REMOVED REMARK "MEA'S FL190 AND ABOVE NEEDED TO MITIGATE CRITICAL DME'S AND INSURE ADEQUATE SIGNAL RECEPTION FOR DME/DME/IRU NAVIGATION."
6. REMOVED "NOTE: TURBOJET AIRCRAFT DESCEND VIA MACH NUMBER UNTIL INTERCEPTING 280 KIAS. MAINTAIN 280 KIAS UNTIL SLOWED BY STAR."
7. LOST COMMUNICATIONS WORDING CHANGED: SUBSITUTE "PROCEED" FOR "EXECUTE".
8. UPDATED EQUIPMENT NOTE TO "RADAR REQUIRED".
9. CHANGED PROCEDURAL DATA NOTE TO "NOTE: JET AIRCRAFT ONLY".

**REASONS:**

1. DENVER CENTER REQUEST TO AID AIR TRAFFIC CONTROL IN SEQUENCING AIRCRAFT PRIOR TO DENVER TRACONS AIRSPACE AND TO REDUCE COMPRESSION BETWEEN AIRCRAFT.
2. DENVER CENTER REQUEST TO AID AIR TRAFFIC CONTROL IN SEQUENCING AIRCRAFT PRIOR TO DENVER TRACONS AIRSPACE AND TO REDUCE COMPRESSION BETWEEN AIRCRAFT.
3. IAW 8260.19I 4-5-12b(8) AND STAR MOCA CLARIFICATION MEMO DATED JULY 1 2021.

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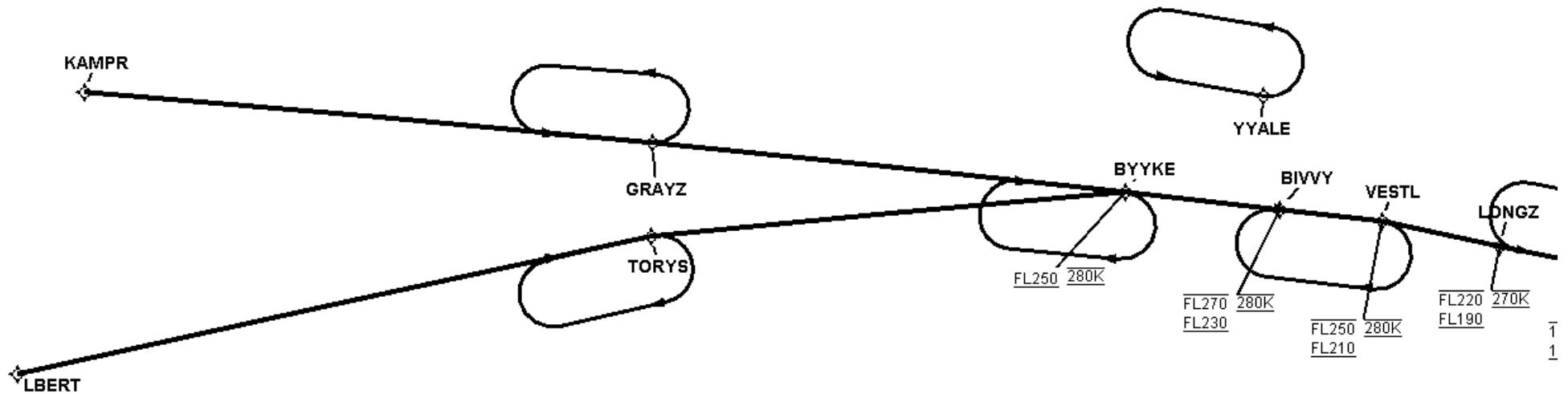
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4. HIGHER MEAS NOT REQUIRED FOR DME/DME COVERAGE.
5. DME/DME COVERAGE IS ADEQUATE AT THE LOWER MEA OF 19000FT.
6. NOT REQUIRED DUE TO ADDED SPEED RESTRICTIONS AT BYYKE, BIVVY, VESTL AND LONGZ.
7. PER CURRENT FAAO 8260.19I 4-5-2.o(2).
8. IAW 8260.19I 4-5-12.D(2).
9. IAW 8260.19I 4-5-12.D(3).

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LONGZ RNAV	THREE	LONGZ.LONGZ3	TWO	10/07/2021	16 MAY 24
Graphic Depiction 1					

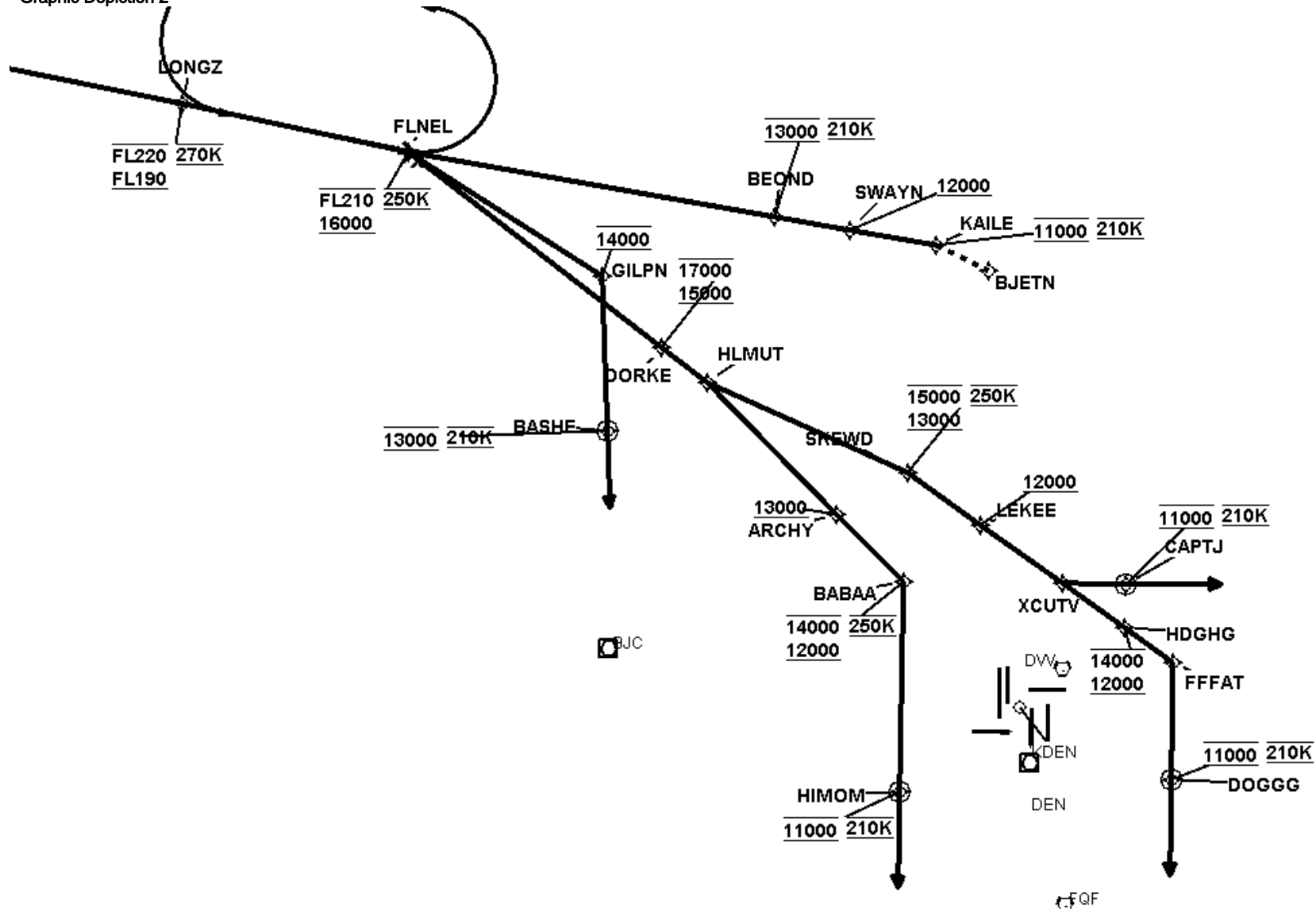


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LONGZ RNAV	THREE	LONGZ.LONGZ3	TWO	10/07/2021	16 MAY 24

Graphic Depiction 2



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

Arrival Name LONGZ (RNAV)	Number THREE		STAR Computer Code LONGZ.LONGZ3		Superseded Number TWO		Dated 10/07/2021	Effective Date <b>16 MAY 24</b>	
<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									
BYYKE	402914.01N / 1063150.34W	Y		IF			AT/ABOVE FL250	AT 280K	BYYKE.LONGZ3
BIVVY	402712.13N / 1060920.44W	Y	FB	TF	096.62	17.29	FL230BFL270	AT 280K	
VESTL	402554.30N / 1055432.60W	Y	FB	TF	096.47	11.37	FL210BFL250	AT 280K	
LONGZ	402311.18N / 1053721.13W	Y	FB	TF	101.60	13.41	FL190BFL220	AT 270K	
En Route Transition									
KAMPR	404022.29N / 1090251.90W	Y		IF					KAMPR.LONGZ3
GRAYZ	403441.06N / 1074031.43W	Y	FB	TF	094.73	62.95			
BYYKE	402914.01N / 1063150.34W	Y	FB	TF	095.57	52.65	AT/ABOVE FL250	AT 280K	
BIVVY	402712.13N / 1060920.44W	Y	FB	TF	096.62	17.29	FL230BFL270	AT 280K	
VESTL	402554.30N / 1055432.60W	Y	FB	TF	096.47	11.37	FL210BFL250	AT 280K	
LONGZ	402311.18N / 1053721.13W	Y	FB	TF	101.60	13.41	FL190BFL220	AT 270K	
En Route Transition									
LBERT	400850.90N / 1091240.34W	Y		IF					LBERT.LONGZ3
TORYS	402417.08N / 1074035.34W	Y	FB	TF	077.16	72.15			
BYYKE	402914.01N / 1063150.34W	Y	FB	TF	084.25	52.72	AT/ABOVE FL250	AT 280K	
BIVVY	402712.13N / 1060920.44W	Y	FB	TF	096.62	17.29	FL230BFL270	AT 280K	
VESTL	402554.30N / 1055432.60W	Y	FB	TF	096.47	11.37	FL210BFL250	AT 280K	
LONGZ	402311.18N / 1053721.13W	Y	FB	TF	101.60	13.41	FL190BFL220	AT 270K	
Common Route									
LONGZ	402311.18N / 1053721.13W	Y		IF			FL190BFL220	AT 270K	LONGZ.LONGZ3
FLNEL	402043.05N / 1052159.30W	Y	FB	TF	101.78	12.00	16000BFL210	AT 250K	
Runway Transition									
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL210	AT 250K	
GILPN	401413.89N / 1050847.43W	Y	FB	TF	122.62	12.00	AT 14000		

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Arrival Name LONGZ (RNAV)		Number THREE		STAR Computer Code LONGZ.LONGZ3		Superseded Number TWO		Dated 10/07/2021	Effective Date 16 MAY 24
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
BASHE	400607.83N / 1050825.32W	Y	FO	TF	178.00	08.10	AT 13000	AT 210K	
KDEN:RWY 7,RWY 8				FM	178.00				
Runway Transition									
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL210	AT 250K	
BEOND	401719.61N / 1045706.64W	Y	FB	TF	099.96	19.33	AT 13000	AT 210K	
SWAYN	401636.54N / 1045154.09W	Y	FB	TF	100.17	04.05	AT/ABOVE 12000		
KAILE	401548.35N / 1044606.37W	Y	FB	TF	100.22	04.51	AT 11000	AT 210K	
KDEN:RWY 16L,RWY 16R,RWY 17L,RWY 17R									
Runway Transition									
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL210	AT 250K	
DORKE	401030.20N / 1050445.29W	Y	FB	TF	127.63	16.68	15000B17000		
HLMUT	400839.89N / 1050139.69W	Y	FB	TF	127.75	03.00			
SKEWD	400357.73N / 1044800.42W	Y	FB	TF	114.08	11.48	13000B15000	AT 250K	
LEKEE	400113.76N / 1044301.57W	Y	FB	TF	125.50	04.70	AT/ABOVE 12000		
XCUTV	395810.74N / 1043728.95W	Y	FB	TF	125.55	05.24			
CAPTJ	395808.94N / 1043311.12W	Y	FO	TF	090.50	03.30	AT 11000	AT 210K	
KDEN:RWY 25,RWY 26				FM	090.50				
Runway Transition									
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL210	AT 250K	
DORKE	401030.20N / 1050445.29W	Y	FB	TF	127.63	16.68	15000B17000		
HLMUT	400839.89N / 1050139.69W	Y	FB	TF	127.75	03.00			
ARCHY	400148.15N / 1045249.16W	Y	FB	TF	135.25	09.65	AT/ABOVE 13000		
BABAA	395814.55N / 1044814.83W	Y	FB	TF	135.33	05.00	12000B14000	AT 250K	



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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
HIMOM	394717.19N / 1044832.22W	Y	FO	TF	181.17	10.95	AT 11000	AT 210K			
KDEN:RWY 34L,RWY 34R,RWY 35L				FM	181.17						
Runway Transition											
FLNEL	402043.05N / 1052159.30W	Y		IF			16000BFL210	AT 250K			
DORKE	401030.20N / 1050445.29W	Y	FB	TF	127.63	16.68	15000B17000				
HLMUT	400839.89N / 1050139.69W	Y	FB	TF	127.75	03.00					
SKEWD	400357.73N / 1044800.42W	Y	FB	TF	114.08	11.48	13000B15000	AT 250K			
LEKEE	400113.76N / 1044301.57W	Y	FB	TF	125.50	04.70	AT/ABOVE 12000				
XCUTV	395810.74N / 1043728.95W	Y	FB	TF	125.55	05.24					
HDGHG	395551.26N / 1043314.89W	Y	FB	TF	125.48	04.00	12000B14000				
FFFAT	395401.30N / 1042957.17W	Y	FB	TF	125.82	03.13					
DOGGG	394754.32N / 1043003.31W	Y	FO	TF	180.74	06.11	AT 11000	AT 210K			
KDEN:RWY 35R				FM	180.74						