

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.

Arrival Name COKTL (RNAV)	Number FOUR	STAR Computer Code COKTL.COKTL4	Superseded Number THREE	Dated 06/15/2023	Effective Date 31OCT2024
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TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
FLCHR	FLCHR.COKTL4	FLCHR	FLCHR						AT/ABOVE FL240
			TBRAN	134.39	32.71	FL210	9900		
			ARYEL	120.19	17.77	FL210	9900	AT/ABOVE FL210	
			COKTL	120.36	18.46	16000	9900	BETWEEN 16000 AND FL190	
GIINN	GIINN.COKTL4	GIINN	GIINN						
			TBRAN	114.84	15.30	FL210	9900		
			ARYEL	120.19	17.77	FL210	9900	AT/ABOVE FL210	
			COKTL	120.36	18.46	16000	9900	BETWEEN 16000 AND FL190	
TQILA	TQILA.COKTL4	TQILA	TQILA						
			BASIC	134.22	10.51	FL240	9900		
			FLCHR	134.27	16.84	FL240	9900	AT/ABOVE FL240	
			TBRAN	134.39	32.71	FL210	9900		
			ARYEL	120.19	17.77	FL210	9900	AT/ABOVE FL210	
COKTL	120.36	18.46	16000	9900	BETWEEN 16000 AND FL190				

ARRIVAL ROUTE DESCRIPTION:

FROM COKTL ON TRACK 116.88/10.95 TO CROSS ZLLDA AT OR ABOVE 14000.

LANDING RWY 1L/R: FROM ZLLDA ON TRACK 150.75/13.11 TO CROSS MEZKL BETWEEN 10000 AND 12000, THEN ON TRACK 150.65/6.34 TO LOOMI, THEN ON TRACK 117.92/7.13 TO CROSS ZINPI AT OR ABOVE 9000 AND AT 210 KIAS, THEN ON TRACK 080.84/5.11 TO CROSS SLOTS AT 8000, THEN ON TRACK 030.29/5.03 TO CROSS ROAMN AT 8000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 1L APPROACH OR RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 8L/R: FROM ZLLDA ON TRACK 150.75/13.11 TO CROSS MEZKL BETWEEN 10000 AND 12000, THEN ON TRACK 150.65/6.34 TO LOOMI, THEN ON TRACK 117.92/7.13 TO CROSS ZINPI AT OR ABOVE 9000 AND AT 210 KIAS, THEN ON TRACK 080.84/5.11 TO CROSS SLOTS AT 8000, THEN ON TRACK 006.28/7.98 TO CROSS YAGGR AT 8000 AND AT 210 KIAS, THEN ON TRACK 005.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 26L/R, 19L/R: FROM ZLLDA ON TRACK 099.72/16.64 TO CROSS DEEON AT OR ABOVE 12000, THEN ON TRACK 099.91/4.00 TO CROSS ENNVY AT OR ABOVE 11000, THEN ON TRACK 082.42/12.02 TO CROSS REDQN AT OR ABOVE 9000 AND AT 210 KIAS, THEN ON TRACK 082.57/4.57 TO CROSS BERBN AT 8000 AND AT 210 KIAS, THEN ON TRACK 082.57. 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: GIINN TRANSITION, ATC ASSIGNED ONLY.



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FIXES AND/OR HOLDING PATTERNS:

- CHART HOLDING AT ARYEL: HOLD NW, RT, 120.19 INBOUND, 11 NM LEGS.
- CHART HOLDING AT COKTL: HOLD NW, RT, 120.36 INBOUND, 10 NM LEGS.
- CHART HOLDING AT SHUFL: HOLD NW, LT, 129.97 INBOUND, 12 NM LEGS.
- CHART HOLDING AT TTMSN: HOLD W, LT, 073.41 INBOUND, 12 NM LEGS.

COMMUNICATIONS:

- CHART: LAS APP CON
- CHART: LAS TOWER

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
LAS	LAS VEGAS	NV

LOST COMMUNICATIONS PREFERENCES:

- LANDING RUNWAY 1L: AT ROAMN PROCEED ON THE ILS OR LOC RWY 1L APPROACH.
- LANDING RUNWAY 8R: AT YAGGR PROCEED ON THE RNAV (RNP) RWY 8R APPROACH, IF UNABLE, PROCEED VIA LAST TRACK TO INTERCEPT THE FINAL APPROACH COURSE; IF UNABLE, MAINTAIN 7000 DIRECT LAS VORTAC THEN DIRECT BLD VORTAC AND THEN ON THE ILS OR LOC RWY 26L APPROACH.
- LANDING RUNWAY 26L: AT BERBN PROCEED ON THE ILS OR LOC RWY 26L APPROACH.
- LANDING RUNWAY 26R: AT BERBN PROCEED ON THE ILS OR LOC RWY 26R APPROACH.

REMARKS:

MEAs ABOVE FL180 NEEDED TO MITIGATE CRITICAL DMEs AND INSURE ADEQUATE SIGNAL COVERAGE FOR DME/DME/IRU NAVIGATION.

ADDITIONAL FLIGHT DATA:

- DME/DME ASSESSMENT: SAT (RNP 2.0)
- MAG VAR: KLAS 11E/2020
- CHART AT ROAMN TERMINUS: LDG RWY 1L/R
- CHART AT BERBN TERMINUS: LDG RWY 26L/R, 19L/R
- CHART AT YAGGR TERMINUS: LDG RWY 8L/R



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COKTL (RNAV)	FOUR	COKTL.COKTL4	THREE	06/15/2023	31OCT2024

FLIGHT INSPECTED BY:

ORGANIZATION: **DATE:**

Flight Inspected Signature:

Digitally signed by

ROBERT G HAMILTON

Aug 29, 2024

DEVELOPED BY:

FERNANDO SALIZAR, SUPPORT MANAGER FOR
 AIRSPACE & PROCEDURESS

LOS ANGELES
 ARTCC 01/05/2024

Developed By Signature:

Digitally signed by

ROBERT G HAMILTON

Aug 29, 2024

APPROVED BY:

BEV BORDY

AJV-A430

Approved By Signature:

Digitally signed by

ROBERT G HAMILTON

Aug 29, 2024

CHANGES:

1. ZINPI RESTRICTION CHANGED FROM BETWEEN 10000 AND 11000, TO AT/ABOVE 9000 AND AT 210 KIAS.
2. BAUMM WP NAME CHANGED TO HAYLO AND REPLACED FIX NAME ON RWYs 1L, 8L, AND 8R TRANSITIONS.
3. REMOVED TWAFL WP FROM BETWEEN REDQN AND BERBN ON THE RWYs 8L/R, 26L/R TRANSITION.
4. MOVED REDQN WP 629 FEET NORTH.
5. CHANGED RESTRICTION AT MEZKL FROM AT/BELOW 12000 TO BETWEEN 10000 AND 12000.
6. ADDED 210 KIAS SPEED RESTRICTION TO REDQN.
7. REMOVED K FROM AIRPORT IDNT IN AIRPORTS SERVED.
8. REVISED ALL LOST COMMUNICATIONS PREFERENCES.
9. REVISED ALL OTHER ARRIVAL DESCRIPTIONS WITH NEW/ REMOVED WP'S/CROSSING RESTRICTIONS.
10. REMOVED BAUMM BANK ANGLE/OBST REMARKS.
11. REVISED EXISTING MEA REMARK.

REASONS:

1. RESOLVES DG CRITERIA FAILURE.
2. ATC REQUEST--INAPPROPRIATE FIX NAME.
3. NO LONGER NEEDED.
4. RESOLVES LEG LENGTH CRITERIA FAILURE.
5. PROTECTS FOR MOCA ON SEGMENT.
6. REMOVAL OF TWAFL FIX ON RUNWAY TRANSITION.
7. CURRENT STANDARDS.
8. LANGUAGE UPDATED TO CURRENT DOCUMENTATION STANDARDS.
9. UPDATED WP's AND CROSSING RESTRICTIONS INCORPORATED INTO ARRIVAL DESCRIPTIONS.
10. BAUMM REMOVED FROM STAR AND NEW EVALUATION SHOWS REMARKS DO NOT APPLY TO HAYLO.
11. EXISTING REMARK REVISED TO MORE ACCURATELY EXPLAIN MEA VALUES ABOVE FL180.

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/05/2024:

1. DUE TO SIMILAR SOUNDING FIX NAME IN ZLA AIRSPACE HAYLO IS BEING CHANGED TO SLOTS.

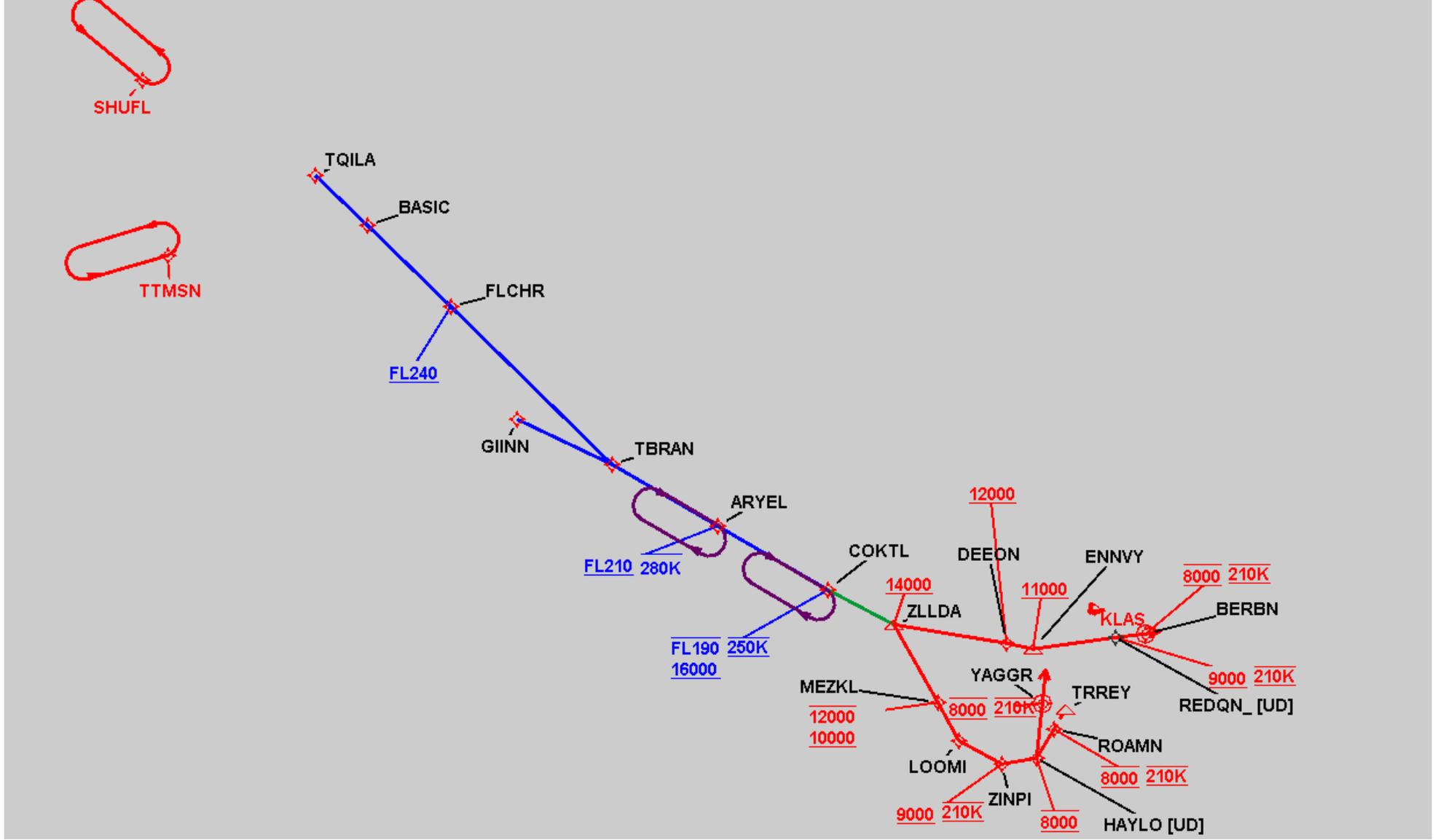


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Graphic Depiction 1



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STAR (DATA RECORD)

Arrival Name COKTL (RNAV)	Number FOUR	STAR Computer Code COKTL.COKTL4		Superseded Number THREE		Dated 06/15/2023	Effective Date 31OCT2024		
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
FLCHR	370602.27N / 1165231.36W	Y		IF			AT/ABOVE FL240		FLCHR.COKTL4
TBRAN	363902.48N / 1162925.81W	Y	FB	TF	145.39	32.71			
ARYEL	362718.20N / 1161251.25W	Y	FB	TF	131.19	17.77	AT/ABOVE FL210	AT/BELOW 280K	
COKTL	361503.98N / 1155543.16W	Y	FB	TF	131.36	18.46	16000BFL190	AT 250K	
En Route Transition									
GIINN	364801.66N / 1164450.66W	Y		IF					GIINN.COKTL4
TBRAN	363902.48N / 1162925.81W	Y	FB	TF	125.84	15.30			
ARYEL	362718.20N / 1161251.25W	Y	FB	TF	131.19	17.77	AT/ABOVE FL210	AT/BELOW 280K	
COKTL	361503.98N / 1155543.16W	Y	FB	TF	131.36	18.46	16000BFL190	AT 250K	
En Route Transition									
TQILA	372833.00N / 1171202.00W	Y		IF					TQILA.COKTL4
BASIC	371954.27N / 1170430.98W	Y	FB	TF	145.22	10.51			
FLCHR	370602.27N / 1165231.36W	Y	FB	TF	145.27	16.84	AT/ABOVE FL240		
TBRAN	363902.48N / 1162925.81W	Y	FB	TF	145.39	32.71			
ARYEL	362718.20N / 1161251.25W	Y	FB	TF	131.19	17.77	AT/ABOVE FL210	AT/BELOW 280K	
COKTL	361503.98N / 1155543.16W	Y	FB	TF	131.36	18.46	16000BFL190	AT 250K	
Common Route									
COKTL	361503.98N / 1155543.16W	Y		IF			16000BFL190	AT 250K	COKTL.COKTL4
ZLLDA	360819.66N / 1154503.06W	Y	FB	TF	127.88	10.95	AT/ABOVE 14000		
Runway Transition									
ZLLDA	360819.66N / 1154503.06W	Y		IF			AT/ABOVE 14000		
MEZKL	355551.36N / 1153959.70W	Y	FB	TF	161.75	13.11	10000B12000		
LOOMI	354949.76N / 1153732.46W	Y	FB	TF	161.65	06.34			
ZINPI	354520.49N / 1153043.57W	Y	FB	TF	128.92	07.13	AT/ABOVE 9000	AT 210K	
SLOTS	354510.45N / 1152426.79W	Y	FB	TF	091.84	05.11	AT 8000		



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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>
ROAMN	354857.47N / 1152021.90W	Y	FB	TF	041.29	05.03	AT 8000	AT 210K	

KLAS:RWY 1L,RWY 1R

Runway Transition

ZLLDA	360819.66N / 1154503.06W	Y		IF			AT/ABOVE 14000		
MEZKL	355551.36N / 1153959.70W	Y	FB	TF	161.75	13.11	10000B12000		
LOOMI	354949.76N / 1153732.46W	Y	FB	TF	161.65	06.34			
ZINPI	354520.49N / 1153043.57W	Y	FB	TF	128.92	07.13	AT/ABOVE 9000	AT 210K	
SLOTS	354510.45N / 1152426.79W	Y	FB	TF	091.84	05.11	AT 8000		
YAGGR	355248.54N / 1152131.70W	Y	FO	TF	017.28	07.98	AT 8000	AT 210K	

KLAS:RWY 8L,RWY 8R

Runway Transition

ZLLDA	360819.66N / 1154503.06W	Y		IF			AT/ABOVE 14000		
DEEON	360224.36N / 1152551.32W	Y	FB	TF	110.72	16.64	AT/ABOVE 12000		
ENNVY	360058.51N / 1152114.95W	Y	FB	TF	110.91	04.00	AT/ABOVE 11000		
REDQN	360014.47N / 1150627.81W	Y	FB	TF	093.42	12.02	AT/ABOVE 9000	AT 210K	
BERBN	355957.25N / 1150050.72W	Y	FO	TF	093.57	04.57	AT 8000	AT 210K	

KLAS:RWY 19L,RWY 19R,RWY 26L,RWY 26R

				FM	093.57				
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