

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
CHOWW (RNAV)	FOUR	CHOWW.CHOWW4	THREE	10/31/2024	07AUG2025

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
GGAPP	GGAPP.CHOWW4	GGAPP	GGAPP						
			MNCIN	226.06	33.00	FL240	11500		
			PHHIL	225.71	45.65	FL240	9400		AT/ABOVE FL240
			AALAN	225.34	24.02	17000	9400		BETWEEN 17000 AND FL230
STEWV	STEWV.CHOWW4	STEWV	CHOWW	221.51	19.00	9500	9400		AT/BELOW 16000
			STEWV						
			RIGLL	194.13	19.48	FL240	10700		AT/ABOVE FL240
			AALAN	194.14	23.98	17000	10200		BETWEEN 17000 AND FL230
TYEGR	TYEGR.CHOWW4	TYEGR	CHOWW	221.51	19.00	9500	9400		AT/BELOW 16000
			TYEGR						
			WARKA	240.47	38.50	FL240	9400		
			DUUGG	240.02	19.32	FL240	9400		
			HAANG	239.79	29.48	FL240	9400		AT/ABOVE FL240
			AALAN	239.56	24.02	17000	9400		BETWEEN 17000 AND FL230
CHOWW	CHOWW	CHOWW	CHOWW	221.51	19.00	9500	9400		AT/BELOW 16000

ARRIVAL ROUTE DESCRIPTION:

FROM CHOWW ON TRACK 220.80/13.57 TO WOLPH.

LANDING RWY 1L/R: FROM WOLPH ON TRACK 208.94/12.50 TO CROSS PACKK AT OR ABOVE 16000, THEN ON TRACK 208.84/8.00 TO CROSS BEEPR AT OR ABOVE 15000, THEN ON TRACK 208.61/17.14 TO CROSS JAIDE AT OR BELOW 13000, THEN ON TRACK 208.53/11.36 TO CROSS SHEEN AT OR ABOVE 12000, THEN ON TRACK 208.45/7.00 TO NEETL, THEN ON TRACK 259.17/7.75 TO CROSS CAMMP AT 10000 AND AT 210 KIAS, THEN ON TRACK 338.08/6.64 TO CROSS BUGSS AT 9000, THEN ON TRACK 001.06/5.45 TO CROSS VANDL AT 9000, THEN ON TRACK 001.06. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 19L/R: FROM WOLPH ON TRACK 240.53/5.00 TO CROSS SACHL AT 10000, THEN ON TRACK 240.47/5.13 TO CROSS FELAA AT 9200, THEN ON TRACK 240.41/9.76 TO CROSS BOOOO AT 7000 AND AT 230 KIAS, THEN ON TRACK 240.30/3.00 TO NNEON, THEN ON TRACK 262.58/1.79 TO CROSS PPENN AT 6000 AND AT 190 KIAS, THEN ON TRACK 262.58. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 26L: FROM WOLPH ON TRACK 220.20/6.20 TO CROSS TATUU BETWEEN 9500 AND 10500, THEN ON TRACK 220.15/3.46 TO CROSS KRLOZ AT OR BELOW 9000, THEN ON TRACK 220.10/7.69 TO CROSS PRINO AT 8000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 26L APPROACH.

LANDING RWY 26R: FROM WOLPH ON TRACK 220.20/6.20 TO CROSS TATUU BETWEEN 9500 AND 10500, THEN ON TRACK 220.15/3.46 TO CROSS KRLOZ AT OR BELOW 9000, THEN ON TRACK 221.45/7.65 TO CROSS FLYES AT 8000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 26R APPROACH.

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

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	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
CHOWW (RNAV)	FOUR	CHOWW.CHOWW4	THREE	10/31/2024	07AUG2025

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT TYEGR: HOLD NE, RT, 240.47 INBOUND, 10 NM LEGS.

CHART HOLDING AT AALAN: HOLD NE, RT, 225.34 INBOUND, 10 NM LEGS.

CHART HOLDING AT DUUGG: HOLD NE, RT, 240.02 INBOUND, 12 NM LEGS.

CHART HOLDING AT PHHIL: HOLD NE, RT, 225.71 INBOUND, 12 NM LEGS.

COMMUNICATIONS:

CHART: LAS VEGAS TWR.

AIRPORTS SERVED:

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

LOST COMMUNICATIONS PREFERENCES:

LANDING RUNWAY 1L: AT VANDL, PROCEED TO TRREY, THEN ON THE ILS OR LOC RWY 1L APPROACH.

LANDING RUNWAY 1R: AT VANDL, PROCEED ON THE RNAV (GPS) RWY 1R APPROACH.

LANDING RUNWAY 19L: AT PPENN PROCEED ON THE RNAV (RNP) RWY 19L APPROACH, IF UNABLE, PROCEED VISUALLY VIA LAST TRACK TO INTERCEPT THE FINAL APPROACH COURSE. IF UNABLE, MAINTAIN 7000 PROCEED DIRECT LAS VORTAC THEN DIRECT BLD VORTAC AND THEN ON THE ILS OR LOC RWY 26L APPROACH.

LANDING RUNWAY 26L: AT PRINO PROCEED ON THE ILS OR LOC RWY 26L APPROACH.

LANDING RUNWAY 26R: AT FLYES 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: LAS 11E/2020

CHART AT PPENN TERMINUS: LAS LDG RWY 19L/R

CHART AT PRINO TERMINUS: LAS LDG RWY 26L

CHART AT VANDL TERMINUS: LAS LDG RWY 1L/R

CHART AT FLYES TERMINUS: LAS LDG RWY 26R

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	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
CHOWW (RNAV)	FOUR	CHOWW.CHOWW4	THREE	10/31/2024	07AUG2025

FLIGHT INSPECTED BY:ORGANIZATION:DATE:

Digitally signed by

TROY E DEVINE

AJF

05/06/2025

Flight Inspected Signature:

ROBERT G HAMILTON

May 09, 2025

Digitally signed by

DEVELOPED BY:

JOHN BORDY (CORY SLANE)

AJV-A33

01/15/2025

Developed By Signature:

ROBERT G HAMILTON

May 09, 2025

APPROVED BY:

JOHN BORDY

AJV-A33

Approved By Signature:

Digitally signed by

ROBERT G HAMILTON

May 09, 2025

CHANGES:

1. AMENDED RWY 19L/R ARRIVAL ROUTE DESCRIPTION: ADDED AT 230K RESTRICTION AT BOOOO; REMOVED 250K AT SACHL.
2. REMOVED ARPT K IDENT FROM 17.1 FORM.

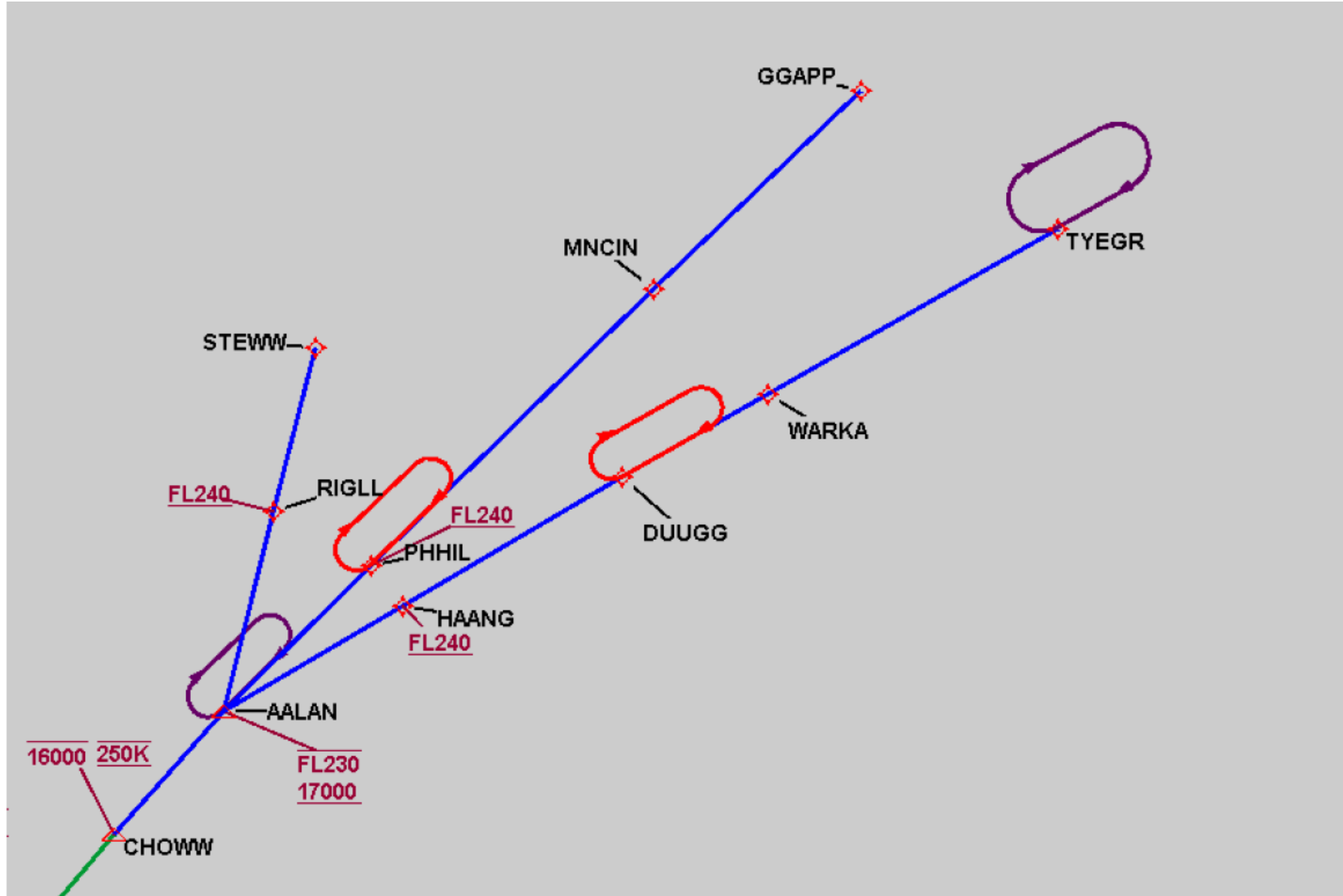
REASONS:

1. ATC REQUESTED TO FACILITATE ARRIVAL SEQUENCING.
2. IAW CURRENT DOCUMENTATION STANDARDS.

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.

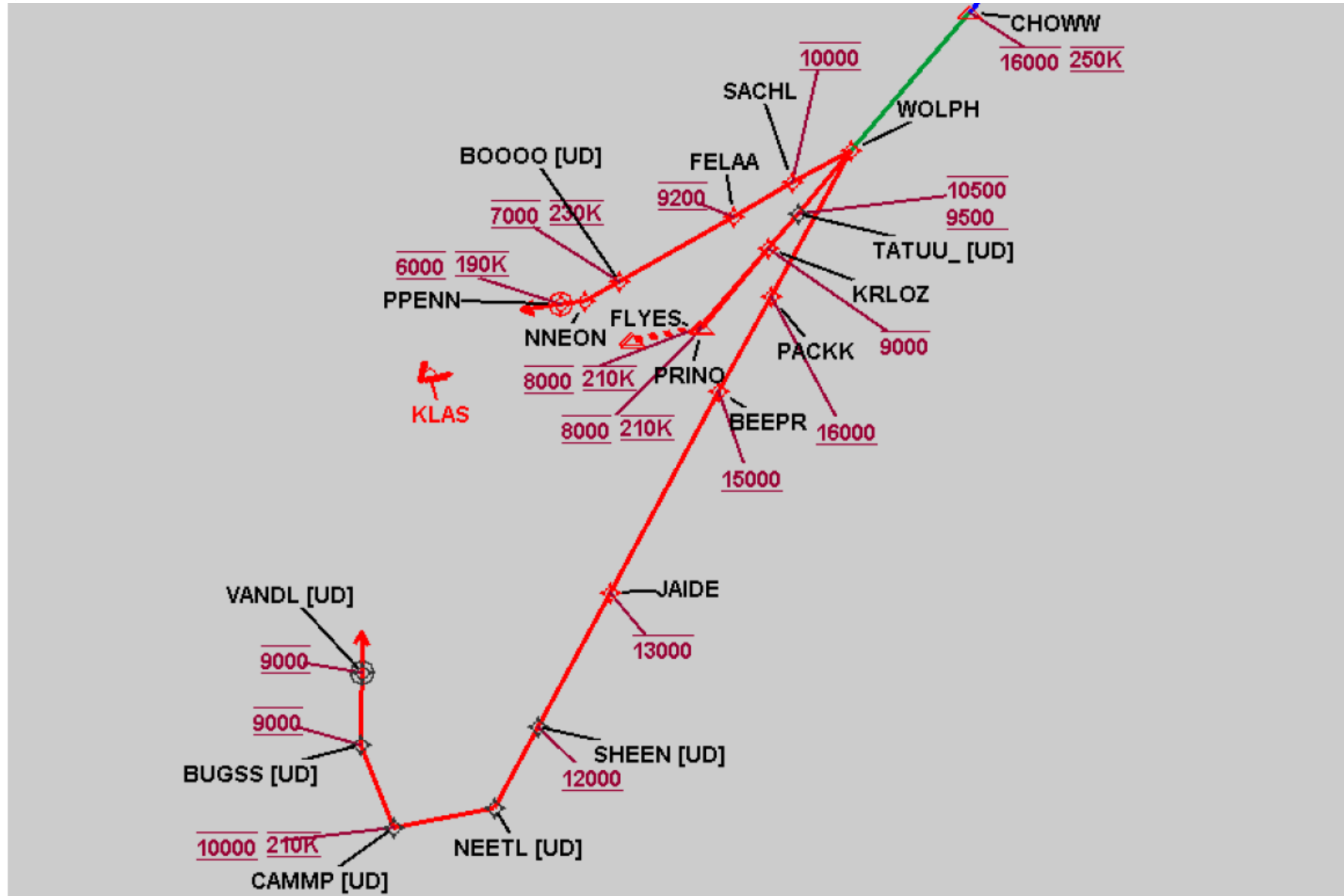
Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
CHOWW (RNAV)	FOUR	CHOWW.CHOWW4	THREE	10/31/2024	07AUG2025
Graphic Depiction 1					



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	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
CHOWW (RNAV)	FOUR	CHOWW.CHOWW4	THREE	10/31/2024	07AUG2025
Graphic Depiction 2					



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name CHOWW (RNAV)		Number FOUR		STAR Computer Code CHOWW.CHOWW4		Superseded Number THREE		Dated 10/31/2024	Effective Date 07AUG2025
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
GGAPP	373159.60N / 1120804.63W	Y		IF					GGAPP.CHOWW4
MNCIN	371356.59N / 1124245.44W	Y	FB	TF	237.06	33.00			
PHHIL	364841.74N / 1133016.71W	Y	FB	TF	236.71	45.65	AT/ABOVE FL240		
AALAN	363519.39N / 1135506.09W	Y	FB	TF	236.34	24.02	17000BFL230		
CHOWW	362343.14N / 1141346.48W	Y	FB	TF	232.51	19.00	AT/BELOW 16000	AT 250K	
En Route Transition									
STEWV	371443.87N / 1133208.16W	Y		IF					STEWV.CHOWW4
RIGLL	365704.14N / 1134227.32W	Y	FB	TF	205.13	19.48	AT/ABOVE FL240		
AALAN	363519.39N / 1135506.09W	Y	FB	TF	205.14	23.98	17000BFL230		
CHOWW	362343.14N / 1141346.48W	Y	FB	TF	232.51	19.00	AT/BELOW 16000	AT 250K	
En Route Transition									
TYEGR	371154.33N / 1114400.97W	Y		IF					TYEGR.CHOWW4
WARKA	365930.63N / 1122935.00W	Y	FB	TF	251.47	38.50			
DUUGG	365310.85N / 1125221.37W	Y	FB	TF	251.02	19.32			
HAANG	364323.00N / 1132658.89W	Y	FB	TF	250.79	29.48	AT/ABOVE FL240		
AALAN	363519.39N / 1135506.09W	Y	FB	TF	250.56	24.02	17000BFL230		
CHOWW	362343.14N / 1141346.48W	Y	FB	TF	232.51	19.00	AT/BELOW 16000	AT 250K	
Common Route									
CHOWW	362343.14N / 1141346.48W	Y		IF			AT/BELOW 16000	AT 250K	CHOWW.CHOWW4
WOLPH	361518.22N / 1142657.69W	Y	FB	TF	231.80	13.57			
Runway Transition									
WOLPH	361518.22N / 1142657.69W	Y		IF					
PACKK	360542.05N / 1143651.60W	Y	FB	TF	219.94	12.50	AT/ABOVE 16000		
BEEPR	355932.77N / 1144310.52W	Y	FB	TF	219.84	08.00	AT/ABOVE 15000		
JAIDE	354618.84N / 1145636.11W	Y	FB	TF	219.61	17.14	AT/BELOW 13000		

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name CHOWW (RNAV)		Number FOUR		STAR Computer Code CHOWW.CHOWW4		Superseded Number THREE		Dated 10/31/2024	Effective Date 07AUG2025
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
SHEEN	353731.82N / 1150528.53W	Y	FB	TF	219.53	11.36	AT/ABOVE 12000		
NEETL	353206.88N / 1151055.51W	Y	FB	TF	219.45	07.00			
CAMMP	353207.87N / 1152025.26W	Y	FB	TF	270.17	07.75	AT 10000	AT 210K	
BUGSS	353839.82N / 1152157.93W	Y	FB	TF	349.08	06.64	AT 9000		
VANDL	354400.03N / 1152033.99W	Y	FO	TF	012.06	05.45	AT 9000		
KLAS:RWY 1L,RWY 1R				FM	012.06				
Runway Transition									
WOLPH	361518.22N / 1142657.69W	Y		IF					
SACHL	361342.90N / 1143249.39W	Y	FB	TF	251.53	05.00	AT 10000		
FELAA	361204.87N / 1143849.75W	Y	FB	TF	251.47	05.13	AT 9200		
BOOOO	360857.34N / 1145015.37W	Y	FB	TF	251.41	09.76	AT 7000	AT 230K	
NNEON	360759.50N / 1145345.85W	Y	FB	TF	251.30	03.00			
PPENN	360806.18N / 1145557.97W	Y	FO	TF	273.58	01.79	AT 6000	AT 190K	
KLAS:RWY 19L,RWY 19R				FM	273.58				
Runway Transition									
WOLPH	361518.22N / 1142657.69W	Y		IF					
TATUU	361124.68N / 1143255.85W	Y	FB	TF	231.20	06.20	9500B10500		
KRLOZ	360914.10N / 1143615.66W	Y	FB	TF	231.15	03.46	AT/BELOW 9000		
PRINO	360423.60N / 1144338.86W	Y	FB	TF	231.10	07.69	AT 8000	AT 210K	
KLAS:RWY 26L									
Runway Transition									
WOLPH	361518.22N / 1142657.69W	Y		IF					
TATUU	361124.68N / 1143255.85W	Y	FB	TF	231.20	06.20	9500B10500		
KRLOZ	360914.10N / 1143615.66W	Y	FB	TF	231.15	03.46	AT/BELOW 9000		
FLYES	360433.54N / 1144344.83W	Y	FB	TF	232.45	07.65	AT 8000	AT 210K	
KLAS:RWY 26R									