

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GAMES (RNAV)	TWO	QWIST.GAMES2	ONE	02/25/2021	24MAR2022

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
FUULL	FUULL.GAMES2	FUULL	FUULL						
			HOUZZ	132.94	48.31	14000	9800		
			BYNGO	123.24	12.67	14000	7400		AT/ABOVE FL210
			SOTOO	122.08	14.34	14000	7300		
			QWIST	115.74	16.34	14000	7300		AT/ABOVE 14000

ARRIVAL ROUTE DESCRIPTION:

LANDING KHND/KLAS: FROM QWIST ON TRACK 113.64/8.00 TO GAMES, THEN ON TRACK 148.48/16.57 TO TOROO, THEN ON TRACK 115.71/7.91 TO RATHH, THEN ON TRACK 078.15/11.70 TO CROSS PIGOW AT 8300, THEN ON TRACK 075.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES

RNAV 1 - GPS

EQUIPMENT REQUIREMENT NOTES

RADAR REQUIRED

PROCEDURAL DATA NOTES:

NOTE: LANDING KLAS RESTRICTED TO PROP AIRCRAFT ONLY.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT SOTOO: HOLD NW, RT, 122.08 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

CHART: LAS APP CON

CHART: LAS TWR

AIRPORTS SERVED:

HARRY REID INTL, LAS VEGAS, NV (KLAS)

HENDERSON EXECUTIVE, LAS VEGAS, NV (KHND)

LOST COMMUNICATIONS PROCEDURE:



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GAMES (RNAV)	TWO	QWIST.GAMES2	ONE	02/25/2021	24MAR2022

REMARKS:

MANUAL EVALUATION OF TERRAIN REQUIRED FROM RATHH-PIGOW DUE TO EXCESSIVE TGS DTED HIT. (CARRIED OVER FROM GAMES1.)
MEA 14000 BETWEEN FUULL AND QWIST DUE TO MARGINAL COMM COVERAGE WITH LOS ANGELES ARTCC BELOW 14000.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: UNSAT.
REFERENCE MAGNETIC VARIATION = KHND 13E/2020.
CHART AT PIGOW TERMINUS: LDG KHND AND KLAS

FLIGHT INSPECTED BY:

THOMAS E MOLOKIE
Name

FPO
Organization

12/14/2021
Date

Digitally signed by
DAVID DANNER

Dec 14, 2021

Signature

Digitally signed by
DAVID DANNER
Dec 14, 2021

DEVELOPED BY:

MARK PHIPPS, LAS METROPLEX MANAGER
Name

DENVER ARTCC
Organization

06/24/2021
Date

Digitally signed by
DAVID DANNER

Signature

APPROVED BY:

PAT MULQUEEN
Name

AJV-A440
Organization

Date

Dec 14, 2021

Signature

CHANGES:

1. LOWERED MEA FROM 15000 TO 14000 FROM FUULL TO QWIST.
2. ADDED AOA FL210 RESTRICTION AT BYNGO.
3. CHANGED CROSSING RESTRICTION AT QWIST FROM AT 15000 TO AOA 14000.
4. CHANGED BEGINNING OF COMMON ROUTE FROM GAMES TO QWIST. UPDATED ARRIVAL ROUTE DESCRIPTION.
5. CHANGED NAME OF KLAS TO HARRY REID INTL.
6. COMPUTER CODE CHANGED FROM GAMES.GAMES1 TO QWIST.GAMES2.
7. INSERTED LANDING KLAS/KHND IN ARRIVAL TEXT.

REASONS:

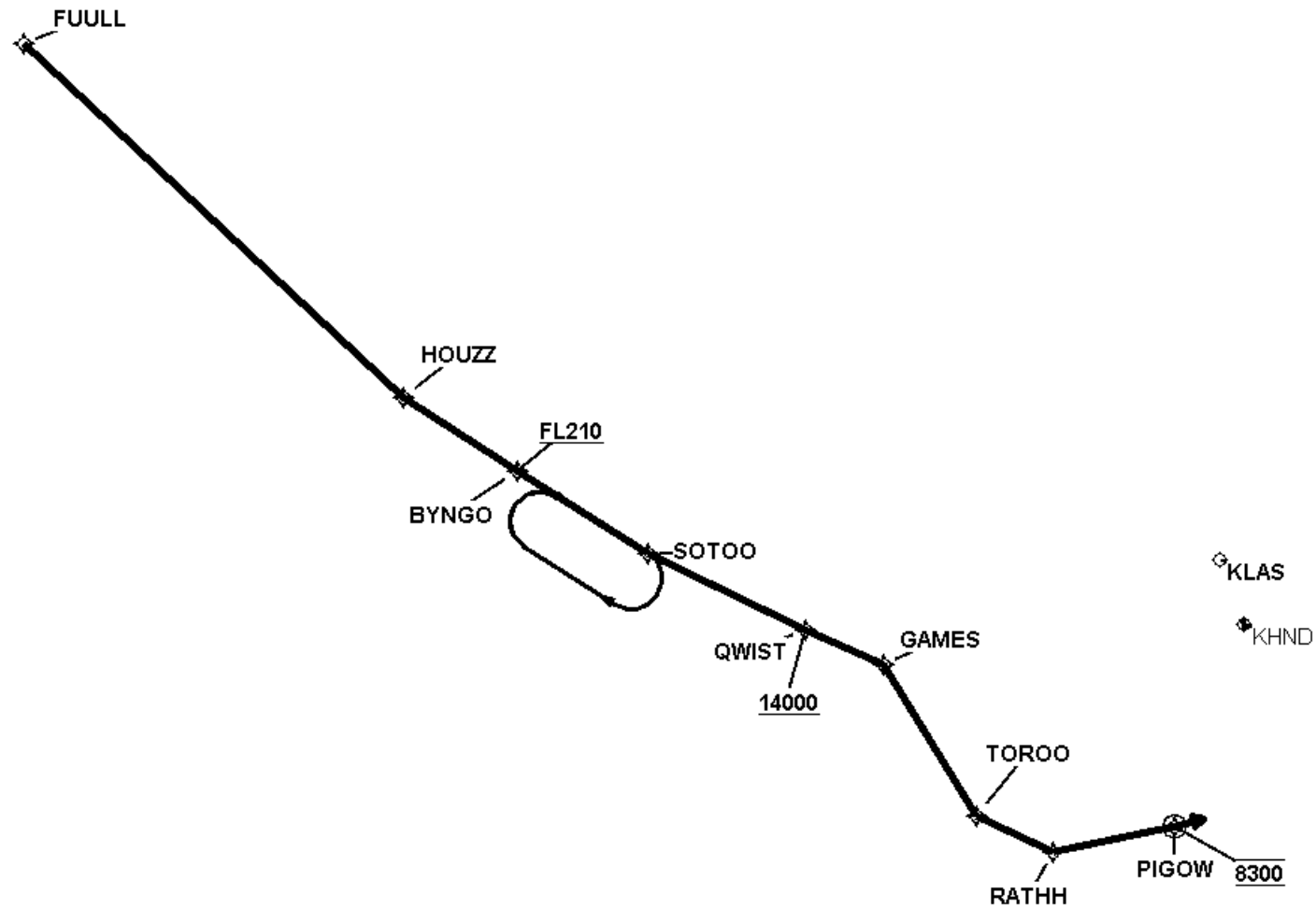
1. ATC REQUEST: TO ACCOMODATE LOWER PERFORMING AIRCRAFT AND LOWER ALTITUDE RESTRICTION AT QWIST.
2. ATC REQUEST: PROTECTS UNDERLYING AIRSPACE.
3. ATC REQUEST: ALLOWS FOR VERTICAL SEGREGATION OF PROP AIRCRAFT FROM JETS.
4. ATC REQUEST: ALLOWS STAR ENTRY AT QWIST TO AID IN SEQUENCING ARRIVALS.
5. AIRPORT AUTHORITY CHANGED THE NAME OF THE AIRPORT.
- 6, 7. IAW 8260.19I.

QUALITY
14
CHECKED

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	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GAMES (RNAV)	TWO	QWIST.GAMES2	ONE	02/25/2021	24MAR2022
Graphic Depiction 1					



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GAMES (RNAV)	TWO	QWIST.GAMES2	ONE	02/25/2021	24MAR2022

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
FUULL	371652.93N / 1171013.96W	Y		IF					FUULL.GAMES2
HOUZZ	363643.75N / 1163637.60W	Y	FB	TF	145.94	48.31			
BYNGO	362733.34N / 1162545.77W	Y	FB	TF	136.24	12.67	AT/ABOVE FL210		
SOTOO	361722.55N / 1161314.12W	Y	FB	TF	135.08	14.34			
QWIST	360707.26N / 1155730.58W	Y	FB	TF	128.74	16.34	AT/ABOVE 14000		
Common Route									
QWIST	360707.26N / 1155730.58W	Y		IF			AT/ABOVE 14000		QWIST.GAMES2
GAMES	360220.14N / 1154935.66W	Y	FB	TF	126.64	08.00			
TOROO	354636.00N / 1154307.56W	Y	FB	TF	161.48	16.57			
RATHH	354138.44N / 1153532.81W	Y	FB	TF	128.71	07.91			
PIGOW	354123.48N / 1152111.02W	Y	FO	TF	091.15	11.70	AT 8300		
KHND,KLAS				FM	088.00				

