

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
SHARR (RNAV)	ONE	SHARR.SHARR1	NONE		6/22/2017

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
MRLET	MRLET.SHARR1	MRLET	MRLET						
			POYSN	178.91	51.55	FL200			
			BIFFY	193.15	27.17	FL200			AT FL200
			WRAPS	251.86	21.61	8000	5400		
			MAMIE	251.59	13.48	8000	2900		
			SHARR	241.35	10.26	8000	1400		
RPARK	RPARK.SHARR1	RPARK	RPARK						
			JOFAV	238.40	38.12	FL200			
			MATEE	252.37	20.63	FL200			
			DUCKE	252.10	07.37	FL200			
			BIFFY	252.02	10.91	FL200			AT FL200
			WRAPS	251.86	21.61	8000	5400		
			MAMIE	251.59	13.48	8000	2900		
			SHARR	241.35	10.26	8000	1400		
RUSME	RUSME.SHARR1	RUSME	RUSME						
			BIFFY	266.78	135.86	FL200			AT FL200
			WRAPS	251.86	21.61	8000	5400		
			MAMIE	251.59	13.48	8000	2900		
			SHARR	241.35	10.26	8000	1400		

ARRIVAL ROUTE DESCRIPTION:

LANDING KOAK: FROM SHARR ON TRACK 231.94/12.22 TO LOCKE, THEN ON TRACK 231.79/9.37 TO CROSS CATTY AT 8000, THEN ON HEADING 280.00 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KHWD: FROM SHARR ON TRACK 231.94/12.22 TO LOCKE, THEN ON TRACK 231.79/9.37 TO CROSS CATTY AT 8000, THEN ON HEADING 231.79 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: TURBOJET AND TURBOPROP AIRCRAFT ONLY

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SHARR (RNAV)	ONE	SHARR.SHARR1	NONE		6/22/2017

NOTE: MINIMUM HOLDING AT WRAPS FL200.

NOTE: LANDING KOAK EXPECT RUNWAY 10L/R AND 12 UNLESS OTHERWISE ASSIGNED BY ATC.

NOTE: LANDING KHWI EXPECT RUNWAY 28L/R UNLESS OTHERWISE ASSIGNED BY ATC.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT LOCKE: HOLD NE, RT, 231.94 INBOUND, 7 NM LEGS.

CHART HOLDING AT WRAPS: HOLD E, RT, 251.86 INBOUND, 11 NM LEGS.

COMMUNICATIONS:

OAK ATIS, HWD ATIS, ZOA, NOR CAL APP CON, OAK ATCT, HWD ATCT, OAK GND, HWD GND

AIRPORTS SERVED:

METROPOLITAN OAKLAND INTL, OAKLAND, CA (KOAK)

HAYWARD EXECUTIVE AIRPORT, HAYWARD, CA (KHWI)

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KOAK 14E

DO NOT CHART MOCAS

FLIGHT INSPECTED BY:

JOEL F HAWKLEY
Name

FICO
Organization

04/18/2017
Date

Digitally signed by
ROBERT G HAMILTON

Apr 24, 2017 Signature

DEVELOPED BY:

JEFF HUBERT, MGR
Name

DOMESTIC AIRSPACE & PROCEDURES,
OAKLAND ARTCC
Organization

2/27/2017
Date

Digitally signed by
ROBERT G HAMILTON

Apr 24, 2017 Signature

APPROVED BY:

TRACEY JOHNSON, MGR
Name

WSC, OSG
Organization

Date

Digitally signed by
ROBERT G HAMILTON

Apr 24, 2017 Signature

CHANGES:

REASONS:

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name SHARR (RNAV)	Number ONE	STAR Computer Code SHARR.SHARR1	Superseded Number NONE	Dated	Effective Date 6/22/2017				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
MRLET	390737.20N / 1194931.20W	Y		IF					MRLET.SHARR1
POYSN	381718.33N / 1200409.08W	Y	FB	TF	192.91	51.55			
BIFFY	375305.35N / 1201948.67W	Y	FB	TF	207.15	27.17	AT FL200	AT 280K	
WRAPS	375128.60N / 1204701.48W	Y	FB	TF	265.86	21.61			
MAMIE	375025.13N / 1210359.61W	Y	FB	TF	265.59	13.48			
SHARR	374748.64N / 1211631.06W	Y	FB	TF	255.35	10.26			
En Route Transition									
RPARK	380724.91N / 1184449.79W	Y		IF					RPARK.SHARR1
JOFAY	375543.42N / 1193045.53W	Y	FB	TF	252.40	38.12			
MATEE	375422.14N / 1195646.44W	Y	FB	TF	266.37	20.63			
DUCKE	375351.65N / 1200603.73W	Y	FB	TF	266.10	07.37			
BIFFY	375305.35N / 1201948.67W	Y	FB	TF	266.02	10.91	AT FL200	AT 280K	
WRAPS	375128.60N / 1204701.48W	Y	FB	TF	265.86	21.61			
MAMIE	375025.13N / 1210359.61W	Y	FB	TF	265.59	13.48			
SHARR	374748.64N / 1211631.06W	Y	FB	TF	255.35	10.26			
En Route Transition									
RUSME	372939.00N / 1173112.00W	Y		IF					RUSME.SHARR1
BIFFY	375305.35N / 1201948.67W	Y	FB	TF	280.78	135.86	AT FL200	AT 280K	
WRAPS	375128.60N / 1204701.48W	Y	FB	TF	265.86	21.61			
MAMIE	375025.13N / 1210359.61W	Y	FB	TF	265.59	13.48			
SHARR	374748.64N / 1211631.06W	Y	FB	TF	255.35	10.26			
Common Route									
SHARR	374748.64N / 1211631.06W	Y		IF					SHARR.SHARR1
LOCKE	374248.55N / 1213034.61W	Y	FB	TF	245.94	12.22			

QUALITY

QUALITY
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CHECKED

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
CATTY	373857.24N / 1214120.32W	Y	FO	TF	245.79	09.37	AT 8000		
KHWD				VM	245.79				

Common Route

SHARR	374748.64N / 1211631.06W	Y		IF					SHARR.SHARR1
LOCKE	374248.55N / 1213034.61W	Y	FB	TF	245.94	12.22			
CATTY	373857.24N / 1214120.32W	Y	FO	TF	245.79	09.37	AT 8000		
KOAK				VM	294.00				