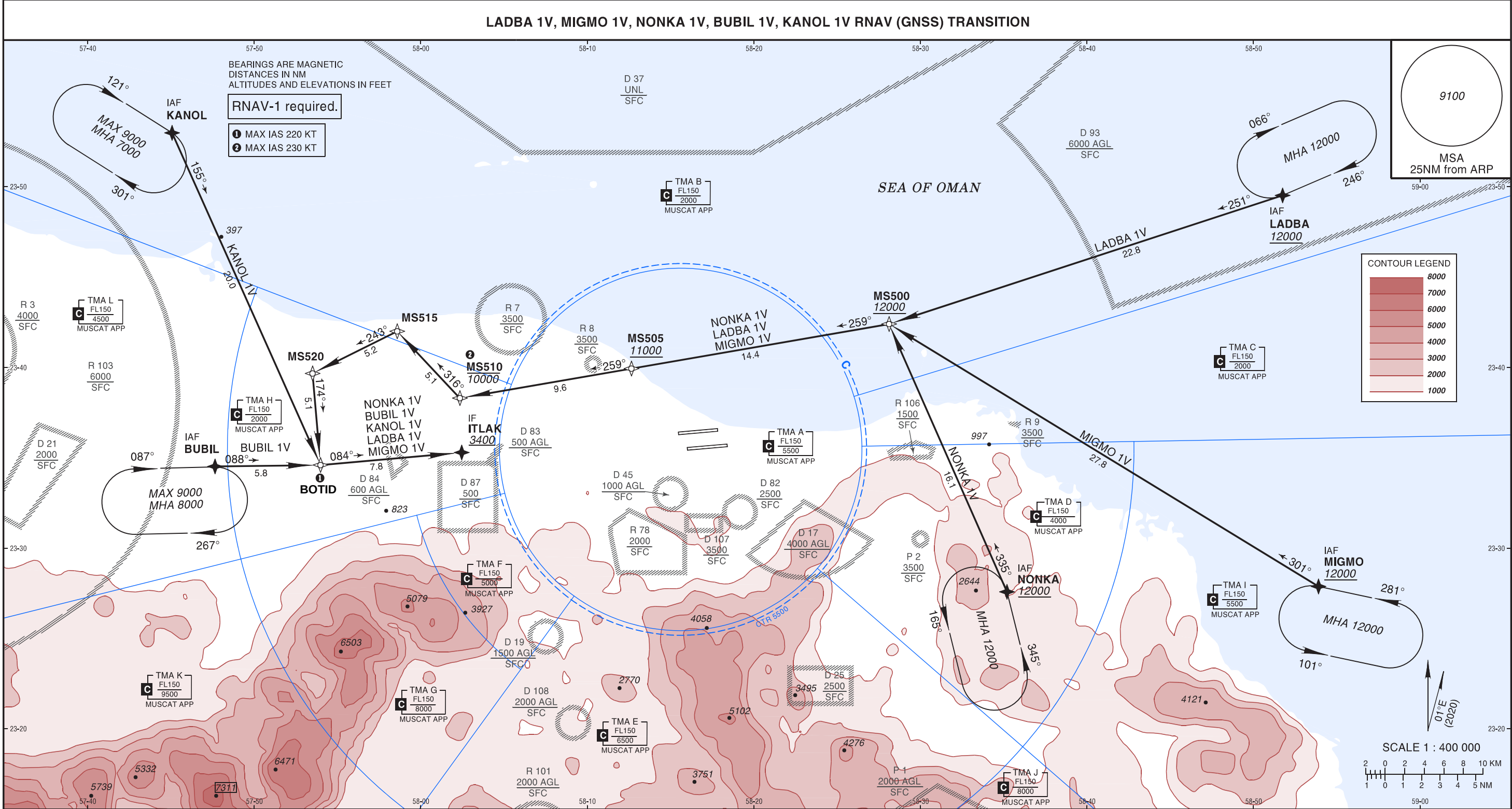


STANDARD ARRIVAL CHART (TRANSITION) INSTRUMENT (STAR) - ICAO	AD ELEV 49 FT Trans Alt 13000 Trans Level FL150	MUSCAT/Muscat Intl OMAN RWY 08L			
		Muscat Information	126.800	Muscat Approach	121.200
		Muscat Tower North	118.825	Muscat Ground North	127.875
		Muscat Tower South	118.4	Muscat Ground South	121.800



STAR	ROUTING
LADBA 1V	LADBA at or above 12000 to MS500 at or above 12000. Turn RIGHT to MS505 at or above 11000, to MS510 at or below 10000. Turn RIGHT to MS515, turn LEFT to MS520, turn LEFT to BOTID. Turn LEFT to ITLAK at or above 3400.
MIGMO 1V	MIGMO at or above 12000 to MS500 at or above 12000. Turn LEFT to MS505 at or above 11000, to MS510 at or below 10000. Turn RIGHT to MS515, turn LEFT to MS520, turn LEFT to BOTID. Turn LEFT to ITLAK at or above 3400.
NONKA 1V	NONKA at or above 12000 to MS500 at or above 12000. Turn LEFT to MS505 at or above 11000, to MS510 at or below 10000. Turn RIGHT to MS515, turn LEFT to MS520, turn LEFT to BOTID. Turn LEFT to ITLAK at or above 3400.
BUBIL 1V	BUBIL between 8000 and 9000 to BOTID. To ITLAK at or above 3400.
KANOL 1V	KANOL between 7000 and 9000 to BOTID. Turn LEFT to ITLAK at or above 3400.

Holding Instruction/Areas RNAV (GNSS) ARRIVAL TRANSITION RWY 08L

Path descriptor	Fix identifier	Inbound course M (T)	Leg Distance	Turn direction	Minimum altitude	Maximum altitude	Speed	Magnetic variation	Navigation performance
Hold	BUBIL	087° (088.0°)	1 MIN	R	8000	9000	230 KT	1°E	
Hold	KANOL	121° (122.0°)	1 MIN	R	7000	9000	230 KT	1°E	
Hold	LADBA	246° (247.0°)	1 MIN	R	12000		230 KT	1°E	
Hold	MIGMO	281° (282.0°)	1 MIN	L	12000		230 KT	1°E	
Hold	NONKA	345° (346.1°)	1 MIN	L	12000		230 KT	1°E	

Route Description: RNAV (GNSS) ARRIVAL TRANSITION RWY 08L

Path descriptor	Fix identifier	Flyover	Course Magnetic (True)	Turn direction	Altitude	Speed limit	Magnetic variation	Distance	Navigation performance
LADBA 1V TRANSITION									
IF	LADBA				+12000		1°E		RNAV 1
TF	MS500		251° (251.9°)		+12000		1°E	22.8	RNAV 1
TF	MS505		259° (260.2°)	R	+11000		1°E	14.4	RNAV 1
TF	MS510		259° (260.3°)		-10000	230 KT	1°E	9.6	RNAV 1
TF	MS515		316° (316.9°)	R			1°E	5.1	RNAV 1
TF	MS520		243° (243.5°)	L			1°E	5.2	RNAV 1
TF	BOTID		174° (175.0°)	L		220 KT	1°E	5.1	RNAV 1
TF	ITLAK		084° (084.9°)	L	+3400		1°E	7.8	RNAV 1
MIGMO 1V TRANSITION									
IF	MIGMO				+12000		1°E		RNAV 1
TF	MS500		301° (301.5°)		+12000		1°E	27.8	RNAV 1
TF	MS505		259° (260.2°)	L	+11000		1°E	14.4	RNAV 1
TF	MS510		259° (260.3°)		-10000	230 KT	1°E	9.6	RNAV 1
TF	MS515		316° (316.9°)	R			1°E	5.1	RNAV 1
TF	MS520		243° (243.5°)	L			1°E	5.2	RNAV 1
TF	BOTID		174° (175.0°)	L		220 KT	1°E	5.1	RNAV 1
TF	ITLAK		084° (084.9°)	L	+3400		1°E	7.8	RNAV 1
NONKA 1V TRANSITION									
IF	NONKA				+12000		1°E		RNAV 1
TF	MS500		335° (336.2°)		+12000		1°E	16.1	RNAV 1
TF	MS505		259° (260.2°)	L	+11000		1°E	14.4	RNAV 1
TF	MS510		259° (260.3°)		-10000	230 KT	1°E	9.6	RNAV 1
TF	MS515		316° (316.9°)	R			1°E	5.1	RNAV 1
TF	MS520		243° (243.5°)	L			1°E	5.2	RNAV 1
TF	BOTID		174° (175.0°)	L		220 KT	1°E	5.1	RNAV 1
TF	ITLAK		084° (084.9°)	L	+3400		1°E	7.8	RNAV 1
BUBIL 1V TRANSITION									
IF	BUBIL				-9000 +8000		1°E		RNAV 1
TF	BOTID		088° (089.3°)			220 KT	1°E	5.8	RNAV 1
TF	ITLAK		084° (084.9°)		+3400		1°E	7.8	RNAV 1

Route Description: RNAV (GNSS) ARRIVAL TRANSITION RWY 08L

Path descriptor	Fix identifier	Flyover	Course Magnetic (True)	Turn direction	Altitude	Speed limit	Magnetic variation	Distance	Navigation performance
KANOL 1V TRANSITION									
IF	KANOL				-9000 +7000		1°E		RNAV 1
TF	BOTID		155° (155.9°)			220 KT	1°E	20.0	RNAV 1
TF	ITLAK		084° (084.9°)	L	+3400		1°E	7.8	RNAV 1

Aeronautical Data Tabulation: RNAV (GNSS) ARRIVAL TRANSITION RWY 08L

Waypoint / Fix	Latitude	Longitude	Latitude (MIN)	Longitude (MIN)	Notes
BUBIL	N23°34'31.53"	E057°47'38.97"	N23°34.526'	E057°47.650'	
KANOL	N23°52'57.87"	E057°45'04.18"	N23°52.965'	E057°45.070'	
LADBA	N23°49'30.65"	E058°51'45.04"	N23°49.511'	E058°51.751'	
MIGMO	N23°27'52.76"	E058°53'54.28"	N23°27.879'	E058°53.905'	
MS500	N23°42'24.00"	E058°28'07.00"	N23°42.400'	E058°28.117'	
MS505	N23°39'56.00"	E058°12'39.00"	N23°39.933'	E058°12.650'	
MS510	N23°38'18.00"	E058°02'21.00"	N23°38.300'	E058°02.350'	
MS515	N23°42'00.00"	E057°58'35.00"	N23°42.000'	E057°58.583'	
MS520	N23°39'40.00"	E057°53'30.00"	N23°39.667'	E057°53.500'	
BOTID	N23°34'35.91"	E057°53'58.73"	N23°34.599'	E057°53.979'	
ITLAK	N23°35'17.84"	E058°02'27.82"	N23°35.297'	E058°02.464'	
NONKA	N23°27'35.00"	E058°35'12.00"	N23°27.583'	E058°35.200'	