



STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO

DOHA/Hamad Intl.(OTHH)
RNP RWY 16L
AFNAN 1M /BAYAN 1M /GINTO 1M

TABULAR DESCRIPTION

RNP STAR AFNAN 1M											
Serial Num	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA(°)/TCH(ft)	Navigation Specification
1	IF	AFNAN	-		2.3			-12000			RNP 1
2	TF	SIDMU	-	300 (302.4)	2.3	15.9					RNP 1
3	TF	EGNUG	-	336 (338.2)	2.3	7.7		+8000			RNP 1
4	TF	IVANI	-	336 (338.2)	2.3	15.4	L	+5000	-220		RNP 1
5	TF	TOVAN	-	246 (248.1)	2.3	5.0			-180		RNP 1

RNP STAR BAYAN 1M											
Serial Num	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA(°)/TCH(ft)	Navigation Specification
1	IF	BAYAN	-		2.3			-12000			RNP 1
2	TF	ASTIM	-	162 (164.7)	2.3	7.7					RNP 1
3	TF	EGNUG	-	246 (248.3)	2.3	8.8	R	+8000			RNP 1
4	TF	IVANI	-	336 (338.2)	2.3	15.4	L	+5000	-220		RNP 1
5	TF	TOVAN	-	246 (248.1)	2.3	5.0			-180		RNP 1

RNP STAR GINTO 1M											
Serial Num	Path Descriptor	Waypoint Identifier	Fly-over	Course °M(°T)	Magnetic Variation(°)	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA(°)/TCH(ft)	Navigation Specification
1	IF	GINTO	-		2.3			-12000			RNP 1
2	TF	LAGNO	-	087 (089.3)	2.3	10.0					RNP 1
3	TF	DATMO	-	051 (053.7)	2.3	12.7		+8000			RNP 1
4	TF	PUTAN	-	066 (068.1)	2.3	11.1	L				RNP 1
5	TF	IVANI	-	336 (338.2)	2.3	5.5	L	+5000	-220		RNP 1
6	TF	TOVAN	-	246 (248.1)	2.3	5.0			-180		RNP 1

WAYPOINT LIST

RNP STAR AFNAN 1M /BAYAN 1M /GINTO 1M	
Waypoint Identifier	Coordinates
AFNAN	250300.80N 0515958.92E
SIDMU	251131.44N 0514513.15E
BAYAN	252926.00N 0514849.00E
ASTIM	252158.86N 0515103.48E
EGNUG	251843.02N 0514203.54E
GINTO	251605.56N 0510415.88E
LAGNO	251613.00N 0511518.00E
DATMO	252346.35N 0512638.80E
PUTAN	252754.71N 0513800.57E
IVANI	253302.21N 0513544.87E
TOVAN	253109.81N 0513037.05E