

STANDARD DEPARTURE  
CHART - INSTRUMENT  
(SID) - ICAO

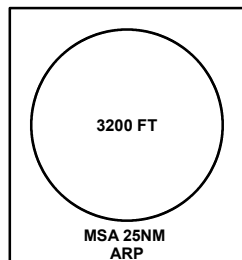
TRANSITION ALTITUDE  
10000 ft

ASTANA TOWER 135.5  
ASTANA APPROACH 124.6  
ASTANA RADAR 120.7  
ASTANA ATIS(EN) 129.5  
ASTANA ATIS(RU) 128.3

KOKON 2A, VETUB 2A  
(RNAV 1 SID BASED ON GNSS)

ASTANA  
NURSULTAN NAZARBAYEV  
INTERNATIONAL AIRPORT  
RWY 04

DIST IN NM  
BEARINGS ARE MAGNETIC  
ALTITUDES AND ELEV IN FT



SURVEILLANCE RADAR REQUIRED

VETUB  
50°41'07"N  
070°12'50"E

FL 180

VETUB 2A  
30.0  
274°  
(284.3T)

KOKON 2A  
31.4  
221°  
(220.9T)

KOKON  
50°09'58"N  
070°26'09"E

FL 180

CC488  
50°33'34"N  
070°58'21"E

FL 130

CC486  
50°42'57"N  
071°12'42"E

FL 120

CC480  
50°59'02"N  
071°42'06"E

4500

CC484  
50°49'22"N  
071°22'37"E

8900

UAR237  
4500 FT MSL  
GND

UAR226  
4200 FT MSL  
GND

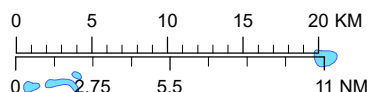
UAR294  
1900 FT MSL  
GND

UAP1  
3300 FT MSL  
GND

UAR238  
5800 FT MSL  
GND

SID DESIGNATOR	RESTRICTIONS	CLIMB TO
KOKON 2A	A MNM climb gradient of 5.0% is required until passing 8900 FT, due to separation from arrival traffic. If unable to comply, inform ATC. MAX speed 210 KT IAS during first turn	
VETUB 2A	A MNM climb gradient of 5.0% is required until passing 8900 FT, due to separation from arrival traffic. If unable to comply, inform ATC. MAX speed 210 KT IAS during first turn	

SCALE 1:500 000



CHANGE: MSA, CC486 ALT.

TABULAR DESCRIPTION

KOKON 2A RWY04											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course °M(°T)	Magnetic Variation(°)	Distance NM	Turn Direction	Altitude FT	Speed KT	VPA (°)	Navigation Specification
10	CA	-	-	035(044.6)	10	2.1	-	+1800	-210	2.9	RNAV1
20	DF	CC480	-		10	9.5	R	+4500		2.9	RNAV1
30	TF	CC484	-	222(231.7)	10	15.7	R	+8900		2.9	RNAV1
40	TF	CC486	-	214(224.3)	10	9	L	+FL120	-250	2.2	RNAV1
50	TF	CC488	-	214(224.1)	10	13.1	-	+FL130		1.9	RNAV1
60	TF	KOKON	-	211(220.9)	10	31.4	-	+FL180		1.9	RNAV1

WAYPOINT LIST

KOKON 2A		
Waypoint Identifier	Coordinates	
DER	510210.90N	0712915.64E
CC480	505902.26N	0714206.01E
CC484	504922.01N	0712237.39E
CC486	504256.68N	0711242.08E
CC488	503334.05N	0705821.32E
KOKON	500958.00N	0702609.00E

TABULAR DESCRIPTION

VETUB 2A RWY04											
Serial Number	Path Descriptor	Waypoint Identifier	Fly - over	Course °M(°T)	Magnetic Variation(°)	Distance NM	Turn Direction	Altitude FT	Speed KT	VPA (°)	Navigation Specification
10	CA	COORD	-	035(044.6)	10	2.1	-	+1800	-210	2.9	RNAV1
20	DF	CC480	-		10	9.5	R	+4500		2.9	RNAV1
30	TF	CC484	-	222(231.7)	10	15.7	-	+8900		2.9	RNAV1
40	TF	CC486	-	214(224.3)	10	9	L	+FL120	-250	2.2	RNAV1
50	TF	CC488	-	214(224.1)	10	13.1	-	+FL130		1.9	RNAV1
60	TF	VETUB	-	274(284.3)	10	30	R	+FL180		1.9	RNAV1

WAYPOINT LIST

VETUB 2A		
Waypoint Identifier	Coordinates	
DER	510210.90N	0712915.64E
CC480	505902.26N	0714206.01E
CC484	504922.01N	0712237.39E
CC486	504256.68N	0711242.08E
CC488	503334.05N	0705821.32E
VETUB	504107.00N	0701250.00E