STANDARD DEPARTURE CHART-INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE 11000 ft
SPEED RESTRICTION MAX IAS 250 KT AT OR BELOW ALT 10000 FT UNLESS OTHERWISE AUTHORIZED BY ATC.

APP	:	119.1, 262.5
	:	119.4, 262.5
	:	120.3, 262.5
	:	121.7, 262.5
	:	122.35, 262.5
	:	124.35, 262.5
	:	125.2, 262.5
DAR	:	125.5, 262.5
TWR	:	118.1, 236.6
ATIS	:	126.4, 344.6

BANGKOK/Don Mueang INTL (VTBD)
RNAV RWY21L

BATOK1C BONVO1C GORSI1C HHN1C KASNI1C KIGOB1C PASTO1C REGOS1C RYN1C SABIS2C UKERA1C

ELEV, ALT IN FEET
DIST IN NM
BRG ARE MAG
VAR 0° 36′ W (2016)
ANNUAL CHANGE 0° 0′ E

1. INITIAL CLIMB CLEARANCE 6000 FT OR AS DIRECTED BY ATC.
2. NO TURN BEFORE DER.

NOTE:
SEE BACK PAGE FOR RADIO COMMUNICATION FAILURE

BONVO1C, PASTO1C REQUIRE MINIMUM CLIMB GRADIENT OF 292 FT PER NM (4.8%) UNTIL PASSING ALT 1500 FOR AIRSPACE RESTRICTIONS ONLY.

GS (KT)	75	100	150	200	250	300
Rate of Climb (ft/mln)	365	486	729	972	1215	1458

BATOK1C, GORSI1C, KASNI1C, KIGOB1C, REGOS1C, RYN1C REQUIRE MINIMUM CLIMB GRADIENT OF 474 FT PER NM (7.8%) UNTIL PASSING ALT 1500 FOR AIRSPACE RESTRICTIONS ONLY.

GS (KT)	75	100	150	200	250	300
Rate of Climb (ft/min)	592	790	1185	1580	1975	2370

CLOSE IN OBSTACLES
RWY21L - Terrain with Vegetation 53 FT HGT. 68.5 m from departure end

Track 296°(295.68° T) Distance 9.2 NM

PASTO1C
PASTO
(272.00° T) 273° 44.2 NM
L301

INTRO 6000
JROCK
CONGA
VTBD
58
(208.72° T) 209°
1500 MAX IAS 200 KT
DM210
DM211 6000
(273.24° T) 274° 4.6 NM
(251.95° T) 253° 33.8 NM
BONVO1C
BONVO
(244.48° T) 245° 5.2 NM
8.6 NM (180.34° T) 181°
RUMBA FL 130
VTBS
M502
AKATO
Track 211°(210.27° T) Distance 10.5 NM
Track 211°(210.25° T) Distance 4.1 NM
CORUS
GETAR
0918
(090.34° T) 9.1 NM
(169.49° T) 9.2 NM 170°
CELLO FL 130 11000
(103.12° T) 104° 28.9 NM
MEZZO
(063.92° T) 065° 24.8 NM
NITRO
BATOK1C
BATOK
G474
Track 064°(063.29° T) Distance 30.2 NM
(092.07° T) 093° 17.7 NM
GORSI
GORSI1C
R468
(180.28° T) 181° 27.5 NM
FLUTE FL 130 11000
(113.90° T) 115° 15.0 NM
SAMBA FL 160
(140.60° T) 141° 57.6 NM
SALMA
(180.32° T) 181° 18.1 NM
(148.17° T) 149° 19.1 NM
KIGOB1C
KIGOB
KASNI1C
KASNI
RYN1C
RYN
(180.27° T) 181° 14.4 NM
SABIS2C
SABIS
1800
075°
2300
345°
MSA 25 NM ARP
NOT TO SCALE
Track 186°(185.04° T) Distance 64.7 NM
R201/M904 Y11
N891
M757
BUT
M904/Y11
Gulf of Thailand
(212.74° T) 213° 25.9 NM
HHN1C
HHN
Y8
(189.89° T) 190° 58.5 NM
UKERA1C
VANKO
VT R3 UNL GND
W31
G458
UKERA
REGOS1C
REGOS
M751
A464/W19

VT D31 ALT 5 500 ft GND
VT D18 Area1 ALT 6 000 ft GND UNL FL200
VT D72 Area1 ALT 5 000 ft GND
VT D17 Area2 ALT 9 000 ft GND
VT D17 Area1 ALT 6 000 ft GND
VT D16 Area 1 FL120 GND
VT D20 ALT 11 000 ft GND

14° 30′ N
14° 00′ N
13° 30′ N
13° 00′ N
12° 30′ N
12° 00′ N
099° 30′ E
100° 00′ E
100° 30′ E
101° 00′ E
101° 30′ E

HHN1C, SABIS2C, UKERA1C REQUIRE MINIMUM CLIMB GRADIENT OF 444 FT PER NM (7.3%) UNTIL FL130 FOR AIRSPACE RESTRICTIONS ONLY.

GS (KT)	75	100	150	200	250	300
Rate of Climb (ft/min)	554	739	1109	1478	1848	2218

REMARKS:
1. RNAV1 IS REQUIRED.
2. GNSS or DME/DME/IRU IS REQUIRED.
3. RADAR IS REQUIRED.
4. FOR NON-RNAV EQUIPPED ACFT, PILOT SHALL INFORM ATC IN ORDER TO GET RADAR GUIDANCE.
5. PILOT SHOULD PLAN FOR POSSIBLE CLIMB AS DEPICTED ON SID, ACTUAL CLIMB CLEARANCE WILL BE GIVEN BY ATC.
6. IF UNABLE TO COMPLY WITH FLIGHT RESTRICTIONS, ADVISE ATC WHEN ACFT COMMENCES TO PUSHBACK or TAXI TO THE HOLDING POINT FOR DEPARTURE.

RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	COMPLY WITH THE LAST ACKNOWLEDGED CLEARANCE ***UP TO THE NEXT REPORTING POINT IN THE SID, THEN CLIMB TO THE FLIGHT PLANNED CRUISING LEVEL*** IN ACCORDANCE WITH THE PUBLISHED ALL SPEED AND ALTITUDE RESTRICTIONS OF THE RELEVANT SID PROCEDURE. THEREAFTER COMPLY WITH THE FLIGHT PLANNED ROUTING AND LEVEL.
3	WHEN **A DEPARTING AIRCRAFT IS BEING RADAR VECTORED**, IF NO TRANSMISSIONS ARE HEARD ON THE FREQUENCY IN USE FOR A PERIOD OF ***TWO MINUTES***, A RADIO FREQUENCY CHECK IS TO BE MADE. IF THE RADIO FREQUENCY CHECK INDICATES A RADIO COMMUNICATION FAILURE. THE PILOT SHALL MAINTAIN THE LAST ASSIGNED HEADING, SPEED AND LEVEL, OR MINIMUM FLIGHT ALTITUDE IF HIGHER. AFTER PERIOD OF ***TWO MINUTES***, THE FLIGHT SHALL REJOIN THE MOST DIRECT MANNER POSSIBLE TO REJOIN THE SID PROCEDURE APPROPRIATE TO ITS ATS ROUTE OR THE FLIGHT PLAN ROUTE NO LATER THAN THE NEXT SIGNIFICANT POINT. THEREAFTER COMPLY WITH THE FLIGHT PLANNED ROUTING AND LEVEL.
4	FOR MORE INFORMATION OR OTHER CASES. REFER TO AIP VTBD AD 2.22, RADIO COMMUNICATION FAILURE.

ROUTE ABBREVIATED DESCRIPTIONS

SID	ROUTING	AIRWAYS
BATOK1C	RWY21L(DER) – [M209; A1500+; K200-; R] → DM210 – DM211[A6000-; L] – GETAR[L] – CELLO[A11000+; F130-; R] – MEZZO[L] – NITRO – BATOK	G474
BONVO1C	RWY21L(DER) – [M209; A1500+; K200-; R] → INTRO[A6000-] – CONGA[L] – BONVO	M502
GORSI1C	RWY21L(DER) – [M209; A1500+; K200-; R] → DM210 – DM211[A6000-; L] – GETAR[L] – CELLO[A11000+; F130-; R] – MEZZO[L] – GORSI	R468
HHN1C	RWY21L(DER) – [M209; A1500+; K200-; R] → INTRO[A6000-] – CONGA[L] – RUMBA[F130+] – CORUS[L] – SALMA – SABIS[R] – HHN	W31
KASNI1C	RWY21L(DER) – [M209; A1500+; K200-; R] → DM210 – DM211[A6000-; L] – GETAR[L] – FLUTE[A11000+; F130-; L] – SAMBA[F160+; R] – KASNI	M757
KIGOB1C	RWY21L(DER) – [M209; A1500+; K200-; R] → DM210 – DM211[A6000-; L] – GETAR[L] – FLUTE[A11000+; F130-; L] – SAMBA[F160+; R] – KIGOB	R201/M904/ Y11
PASTO1C	RWY21L(DER) – [M209; A1500+; K200-; R] → INTRO[A6000-] – JROCK[L] – PASTO	L301
REGOS1C	RWY21L(DER) – [M209; A1500+; K200-; R] → DM210 – DM211[A6000-; L] – GETAR[L] – FLUTE[A11000+; F130-; L] – SAMBA[F160+; R] – KASNI[R] – REGOS	A464/M751/ W19
RYN1C	RWY21L(DER) – [M209; A1500+; K200-; R] → DM210 – DM211[A6000-; L] – GETAR[L] – CELLO[A11000+; F130-; R] – MEZZO[R] – RYN	N891
SABIS2C	RWY21L(DER) – [M209; A1500+; K200-; R] → INTRO[A6000-] – CONGA[L] – RUMBA[F130+] – CORUS[L] – SALMA – SABIS	Y8
UKERA1C	RWY21L(DER) – [M209; A1500+; K200-; R] → INTRO[A6000-] – CONGA[L] – RUMBA[F130+] – CORUS[L] – SALMA – SABIS[R] – UKERA	G458

STANDARD DEPARTURE CHART-INSTRUMENT (SID) - ICAO

BANGKOK/Don Mueang INTL (VTBD)
RNAV RWY21L

BATOK1C BONVO1C GORSI1C
HHN1C KASNI1C KIGOB1C
PASTO1C REGOS1C
RYN1C SABIS2C UKERA1C

TABULAR DESCRIPTION

Serial Number	Path Descriptor	Waypoint Identifier	WGS-84 Coordinates		Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	Navigation Specification
			Latitude	Longtitude								
001	-	DER RWY21L	13 53 58.45 N	100 36 05.50 E	-	-	0.6	-	-	-	-	RNAV1
002	CA	-	-	-	-	209°(208.72°)	0.6	-	R	1500+	200	RNAV1
003	DF	DM210	13 49 05.63 N	100 29 53.09 E	-	-	0.6	-	-	-	-	RNAV1
004	TF	DM211	13 46 50.22 N	100 25 03.03 E	-	245°(244.48°)	0.6	5.2	L	6000-	-	RNAV1
005	TF	GETAR	13 38 13.62 N	100 24 59.93 E	-	181°(180.34°)	0.6	8.6	L	-	-	RNAV1
006	TF	CELLO	13 38 10.21 N	100 34 25.66 E	-	091°(090.34°)	0.6	9.1	R	11000+; FL130-	-	RNAV1
007	TF	MEZZO	13 31 33.78 N	101 03 16.41 E	-	104°(103.12°)	0.6	28.9	L, R	-	-	RNAV1
008	TF	NITRO	13 42 28.69 N	101 26 07.28 E	-	065°(063.92°)	0.6	24.8	-	-	-	RNAV1
009	TF	BATOK	13 56 06.00 N	101 53 53.60 E	-	064°(063.29°)	0.6	30.2	-	-	-	RNAV1
010	TF	GORSI	13 30 54.64 N	101 21 28.05 E	-	093°(092.07°)	0.6	17.7	-	-	-	RNAV1
011	TF	RYN	12 46 48.30 N	101 40 41.70 E	-	141°(140.60°)	0.6	57.6	-	-	-	RNAV1
012	TF	FLUTE	13 29 09.59 N	100 26 43.10 E	-	170°(169.49°)	0.6	9.2	L	11000+; FL130-	-	RNAV1
013	TF	SAMBA	13 23 02.66 N	100 40 48.12 E	-	115°(113.90°)	0.6	15.0	R	FL160+	-	RNAV1
014	TF	KIGOB	13 06 46.46 N	100 51 06.33 E	-	149°(148.17°)	0.6	19.1	-	-	-	RNAV1
015	TF	KASNI	13 04 50.17 N	100 40 41.88 E	-	181°(180.32°)	0.6	18.1	R	-	-	RNAV1
016	TF	REGOS	12 00 06.50 N	100 34 54.30 E	-	186°(185.04°)	0.6	64.7	-	-	-	RNAV1
017	DF	INTRO	13 54 28.98 N	100 23 51.74 E	-	-	0.6	-	-	6000-	-	RNAV1
018	TF	CONGA	13 54 44.52 N	100 19 09.98 E	-	274°(273.24°)	0.6	4.6	L	-	-	RNAV1
019	TF	RUMBA	13 45 36.97 N	100 13 43.08 E	-	211°(210.27°)	0.6	10.5	-	FL130+	-	RNAV1
020	TF	CORUS	13 42 05.43 N	100 11 36.93 E	-	211°(210.25°)	0.6	4.1	L	-	-	RNAV1
021	TF	SALMA	13 14 28.89 N	100 11 28.72 E	-	181°(180.28°)	0.6	27.5	-	-	-	RNAV1
022	TF	SABIS	12 59 58.53 N	100 11 24.53 E	-	181°(180.27°)	0.6	14.4	R	-	-	RNAV1
023	TF	UKERA	12 02 07.25 N	100 01 09.59 E	-	190°(189.89°)	0.6	58.5	-	-	-	RNAV1
024	TF	HHN	12 38 04.04 N	099 57 04.23 E	-	213°(212.74°)	0.6	25.9	-	-	-	RNAV1
025	TF	BONVO	13 44 10.47 N	099 46 06.72 E	-	253°(251.95°)	0.6	33.8	-	-	-	RNAV1
026	TF	JROCK	13 58 28.40 N	100 15 21.61 E	-	296°(295.68°)	0.6	9.2	L	-	-	RNAV1
027	TF	PASTO	14 00 04.50 N	099 30 06.94 E	-	273°(272.00°)	0.6	44.2	-	-	-	RNAV1