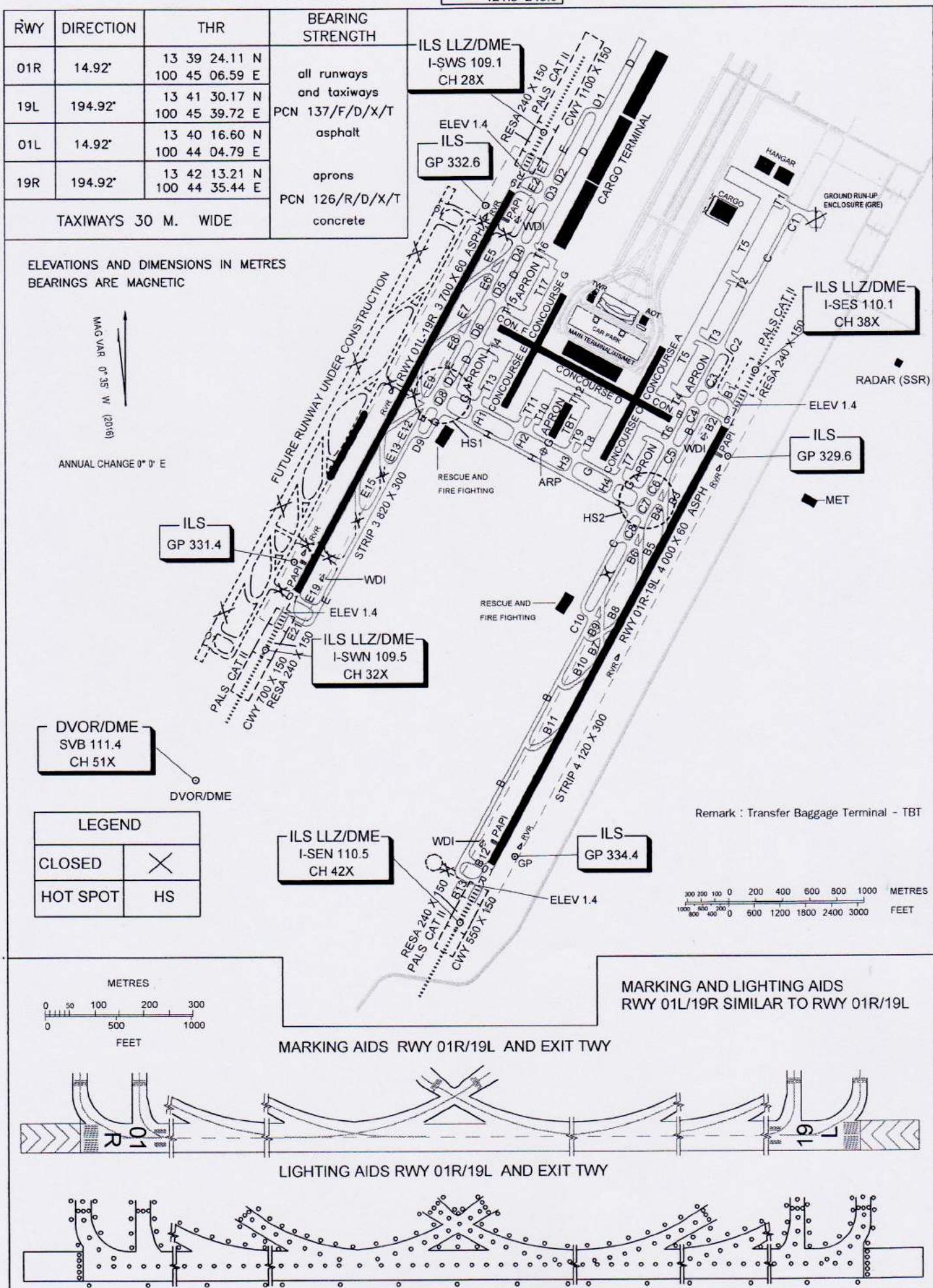


AERODROME CHART - ICAO

13 41 09 N ELEV 1.4 m  
100 44 56 E

TWR 118.2 274.5  
119.0  
121.5 243.0

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AIRCRAFT PARKING /  
DOCKING CHART- ICAO

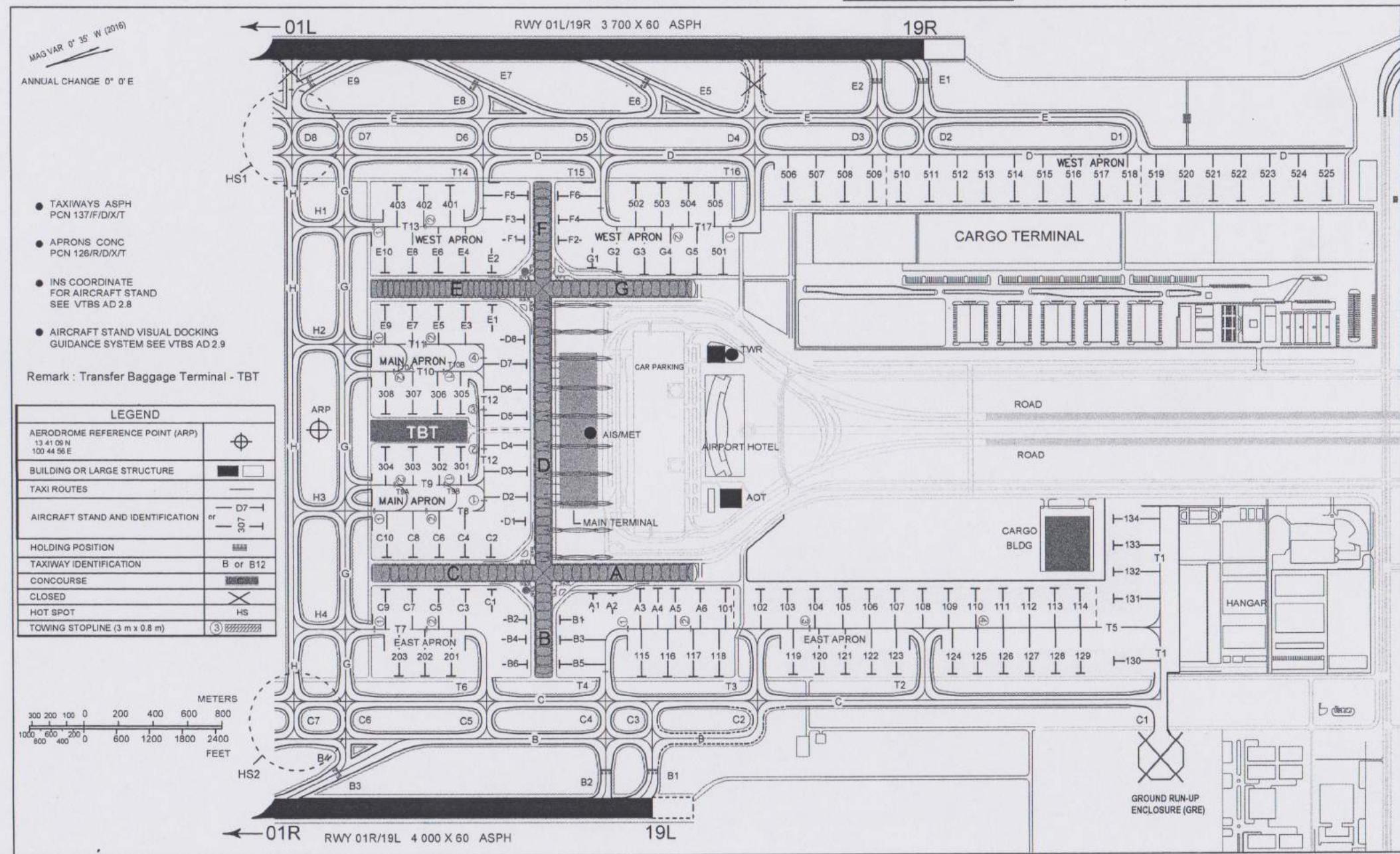
13 41 09 N  
100 44 56 E

APRON ELEV  
1.8 m (5.9 ft)

TWR FREQ 119.0 (RWY 19R/01L)  
TWR FREQ 118.2 (RWY 19L/01R)

GND FREQ 121.95 (WEST APRON)  
GND FREQ 121.75 (MAIN APRON)  
GND FREQ 121.65 (EAST APRON)

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AERODROME GROUND  
MOVEMENT CHART - ICAO

APRON ELEV  
1.8 m (5.9 ft)

TWR FREQ 119.0 ( RWY 19R/01L )  
TWR FREQ 118.2 ( RWY 19L/01R )

GND FREQ 121.95 ( WEST APRON )  
GND FREQ 121.75 ( MAIN APRON )  
GND FREQ 121.65 ( EAST APRON )

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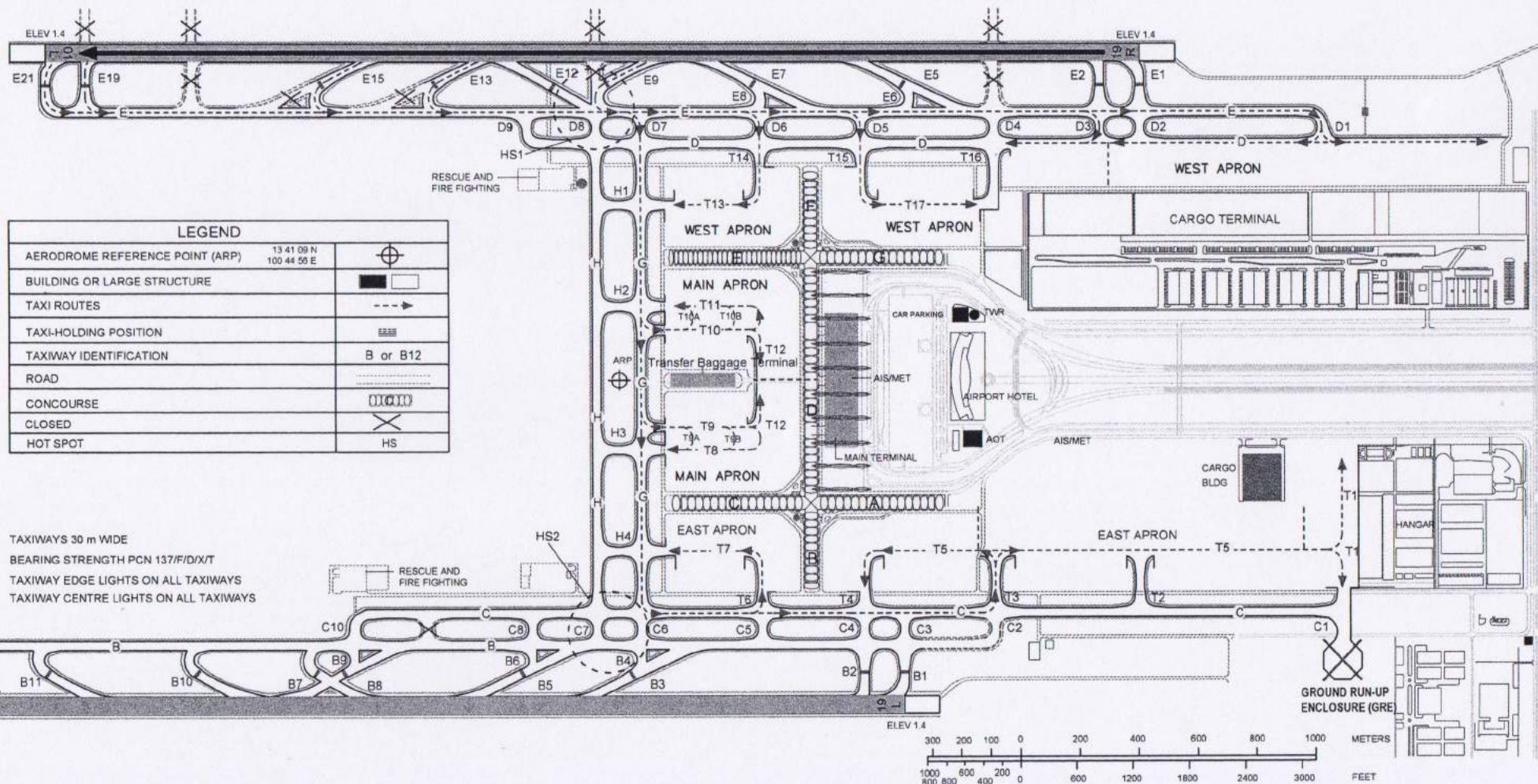
STANDARD TAXI ROUTES

INBOUND TAXI ROUTES - LANDING RUNWAY 19R

ELEVATIONS IN METRES  
BEARINGS ARE MAGNETIC

MAG VAR 0° 35' W (2016)

ANNUAL CHANGE 0° 0'E



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AERODROME GROUND  
MOVEMENT CHART - ICAO

APRON ELEV  
1.8 m (5.9 ft)

TWR FREQ 119.0 (RWY 19R/01L)  
TWR FREQ 118.2 (RWY 19L/01R)

GND FREQ 121.95 (WEST APRON)  
GND FREQ 121.75 (MAIN APRON)  
GND FREQ 121.65 (EAST APRON)

BANGKOK / Suvarnabhumi International

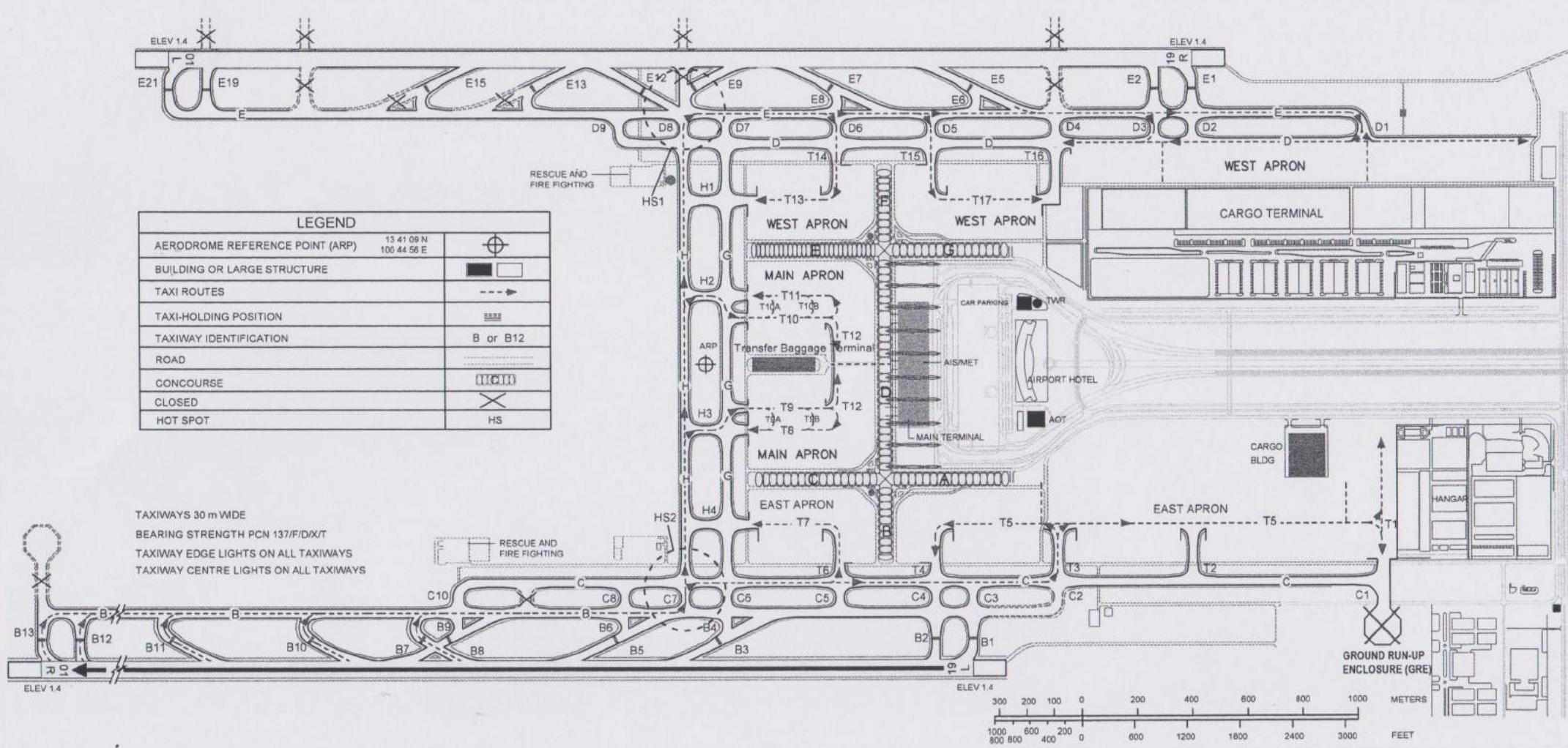
STANDARD TAXI ROUTES

INBOUND TAXI ROUTES - LANDING RUNWAY 19L

ELEVATIONS IN METRES  
BEARINGS ARE MAGNETIC

MAR VAR 0° 35' W (2016)

ANNUAL CHANGE 0° 0'E



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AERODROME GROUND  
MOVEMENT CHART - ICAO

APRON ELEV  
1.8 m (5.9 ft)

TWR FREQ 119.0 ( RWY 19R/01L )  
TWR FREQ 118.2 ( RWY 19L/01R )

GND FREQ 121.95 ( WEST APRON )  
GND FREQ 121.75 ( MAIN APRON )  
GND FREQ 121.65 ( EAST APRON )

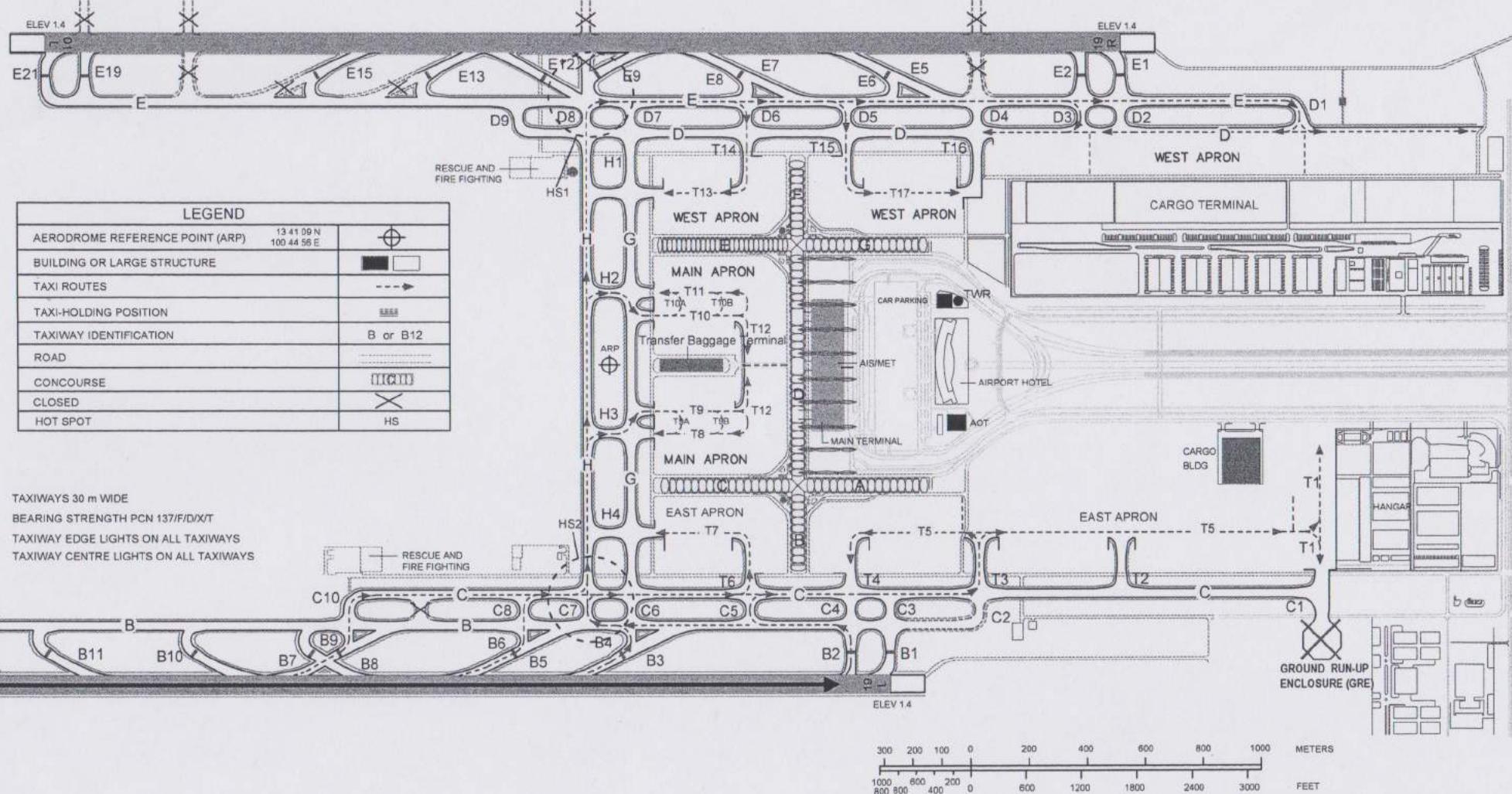
BANGKOK / Suvarnabhumi International

STANDARD TAXI ROUTES

INBOUND TAXI ROUTES - LANDING RUNWAY 01R

ELEVATIONS IN METRES  
BEARINGS ARE MAGNETIC

MAR VAR 0° 35' W (2016)  
ANNUAL CHANGE 0° 0' E



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AERODROME GROUND  
MOVEMENT CHART - ICAO

APRON ELEV  
1.8 m (5.9 ft)

TWR FREQ 119.0 ( RWY 19R/01L )  
TWR FREQ 118.2 ( RWY 19L/01R )

GND FREQ 121.95 ( WEST APRON )  
GND FREQ 121.75 ( MAIN APRON )  
GND FREQ 121.65 ( EAST APRON )

BANGKOK / Suvarnabhumi International

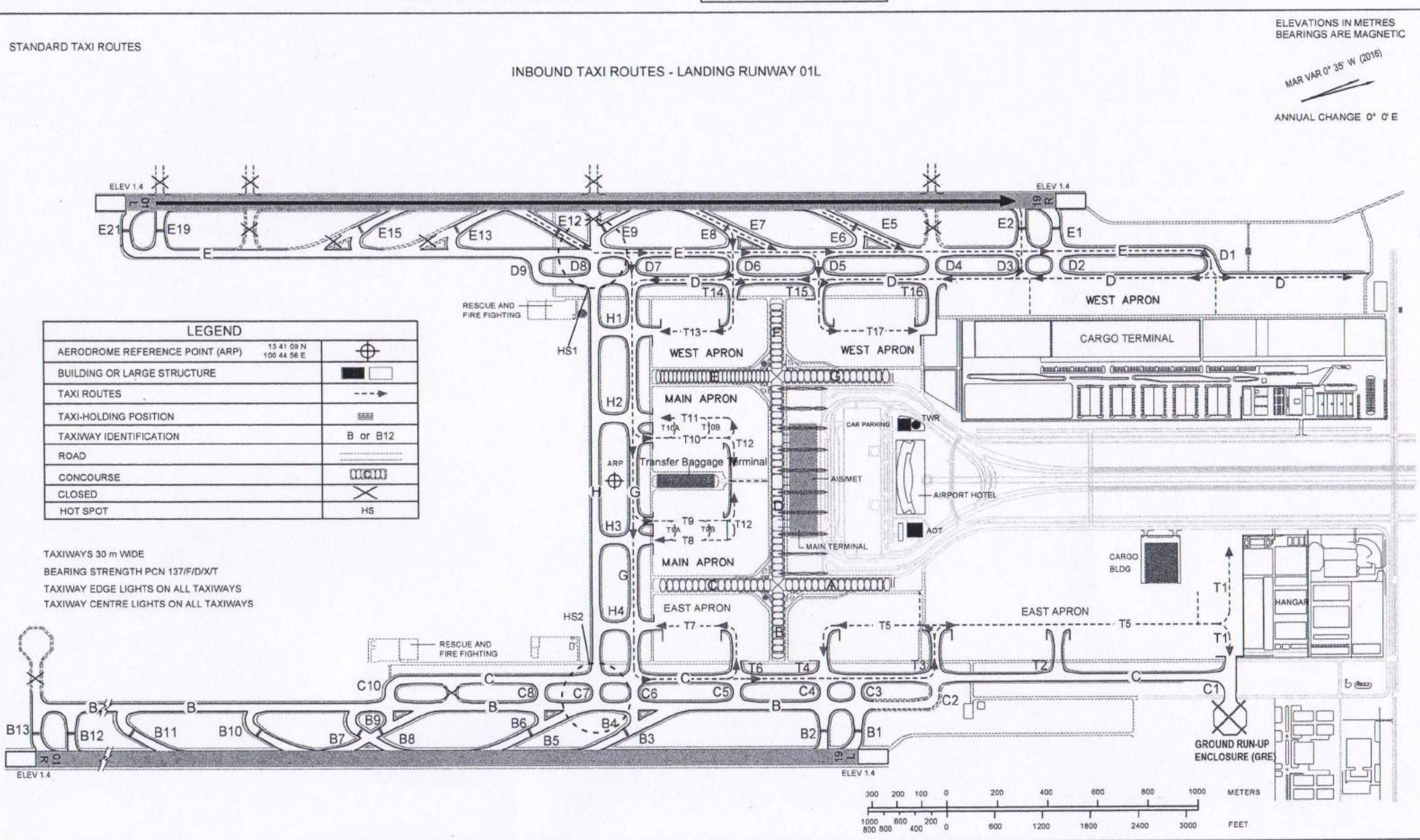
ELEVATIONS IN METRES  
BEARINGS ARE MAGNETIC

MAR VAR 0° 35' W (2016)

ANNUAL CHANGE 0° 0' E

STANDARD TAXI ROUTES

INBOUND TAXI ROUTES - LANDING RUNWAY 01L



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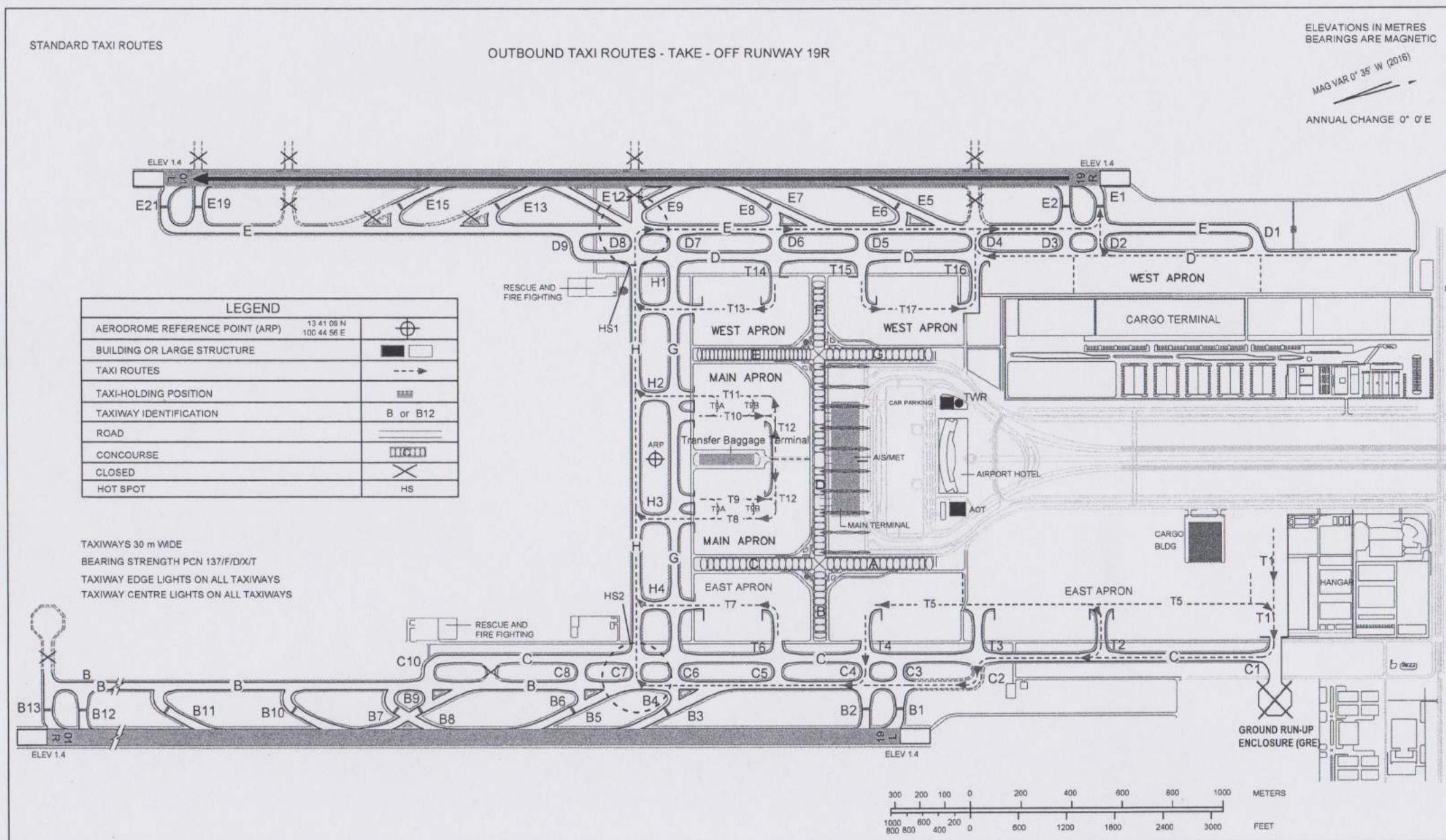
AERODROME GROUND  
MOVEMENT CHART - ICAO

APRON ELEV  
1.8 m (5.9 ft)

TWR FREQ 119.0 ( RWY 19R/01L )  
TWR FREQ 118.2 ( RWY 19L/01R )

GND FREQ 121.95 ( WEST APRON )  
GND FREQ 121.75 ( MAIN APRON )  
GND FREQ 121.65 ( EAST APRON )

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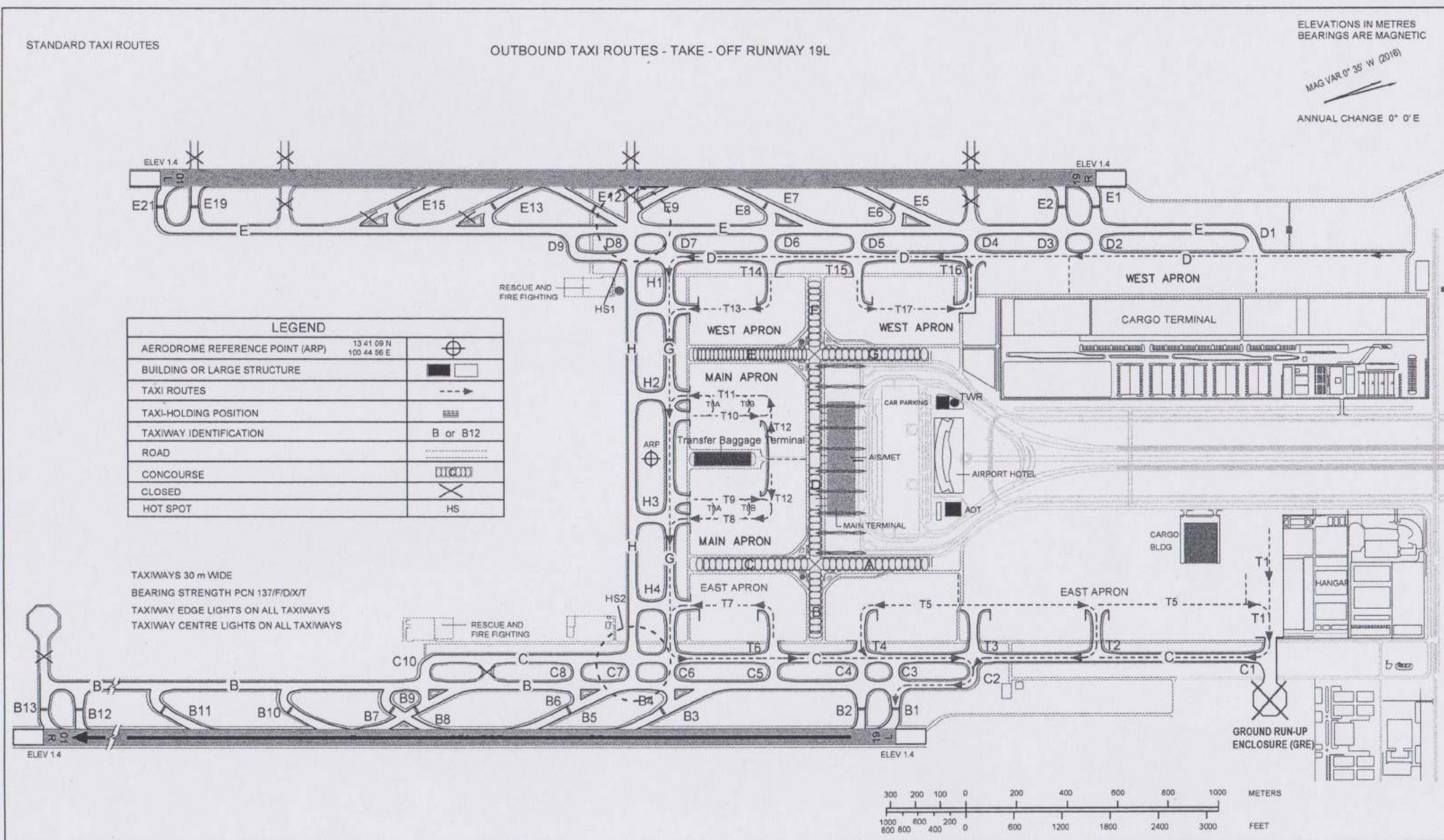
AERODROME GROUND  
MOVEMENT CHART - ICAO

APRON ELEV  
1.8 m (5.9 ft)

TWR FREQ 119.0 ( RWY 19R/01L )  
TWR FREQ 118.2 ( RWY 19L/01R )

GND FREQ 121.95 ( WEST APRON )  
GND FREQ 121.75 ( MAIN APRON )  
GND FREQ 121.65 ( EAST APRON )

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AERODROME GROUND  
MOVEMENT CHART - ICAO

APRON ELEV  
1.8 m (5.9 ft)

TWR FREQ 119.0 ( RWY 19R/01L )  
TWR FREQ 118.2 ( RWY 19L/01R )

GND FREQ 121.95 ( WEST APRON )  
GND FREQ 121.75 ( MAIN APRON )  
GND FREQ 121.65 ( EAST APRON )

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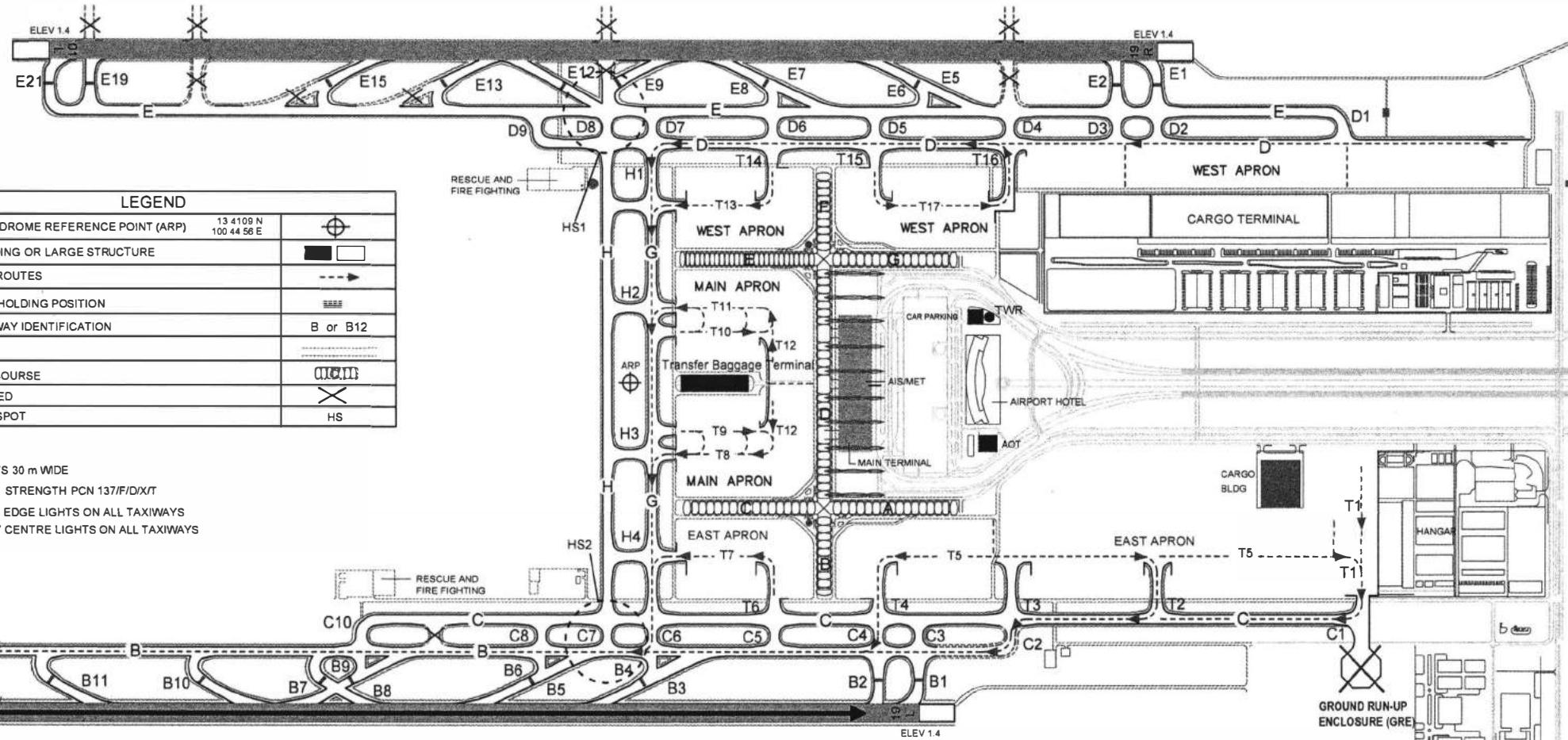
STANDARD TAXI ROUTES

OUTBOUND TAXI ROUTES - TAKE - OFF RUNWAY 01R

ELEVATIONS IN METRES  
BEARINGS ARE MAGNETIC

MAG VAR 0° 35' W (2016)

ANNUAL CHANGE 0° 0'E



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AERODROME GROUND  
MOVEMENT CHART - ICAO

APRON ELEV  
1.8 m (5.9 ft)

TWR FREQ 119.0 ( RWY 19R/01L )  
TWR FREQ 118.2 ( RWY 19L/01R )

GND FREQ 121.95 ( WEST APRON )  
GND FREQ 121.75 ( MAIN APRON )  
GND FREQ 121.65 ( EAST APRON )

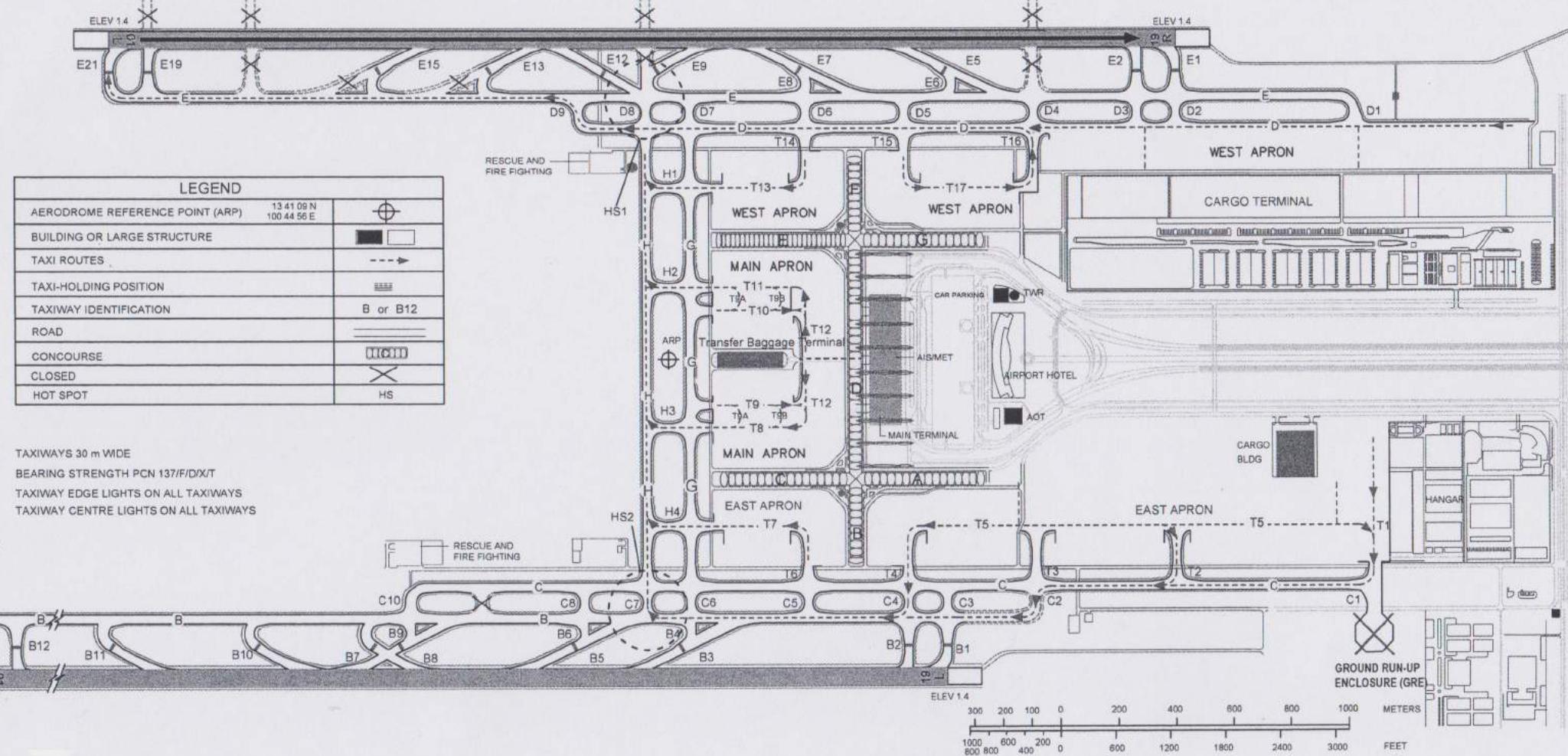
BANGKOK / Suvarnabhumi International

ELEVATIONS IN METRES  
BEARINGS ARE MAGNETIC

MAG VAR 0° 35' W (2016)

ANNUAL CHANGE 0° 0' E

OUTBOUND TAXI ROUTES - TAKE - OFF RUNWAY 01L

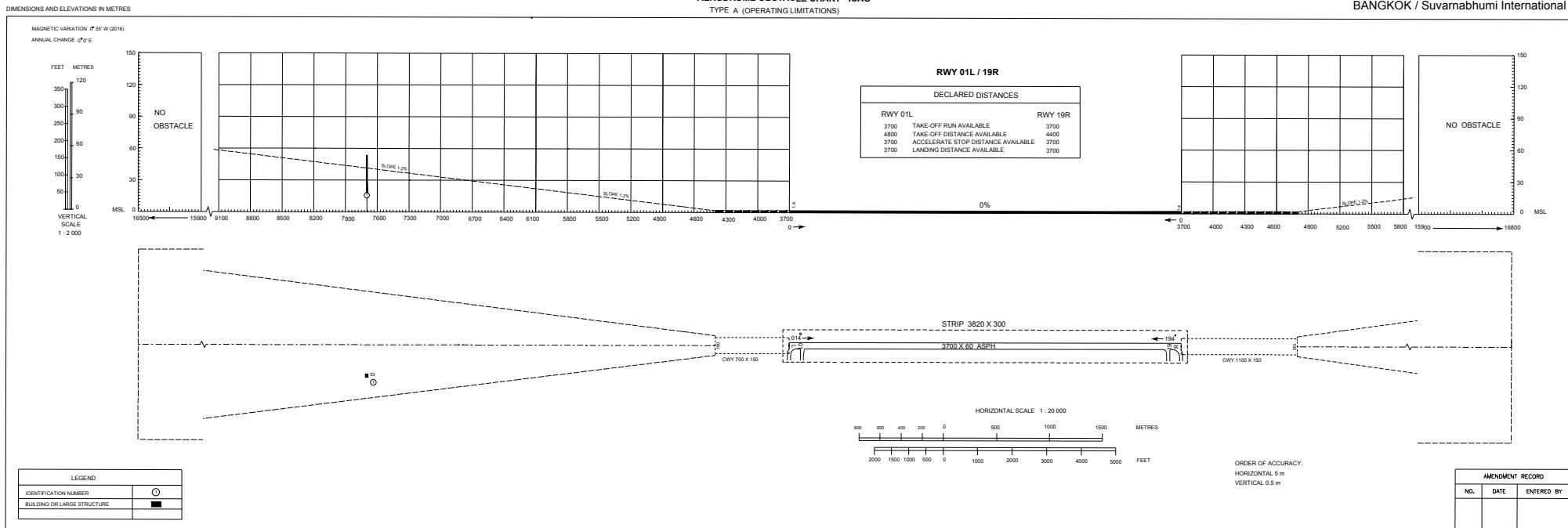


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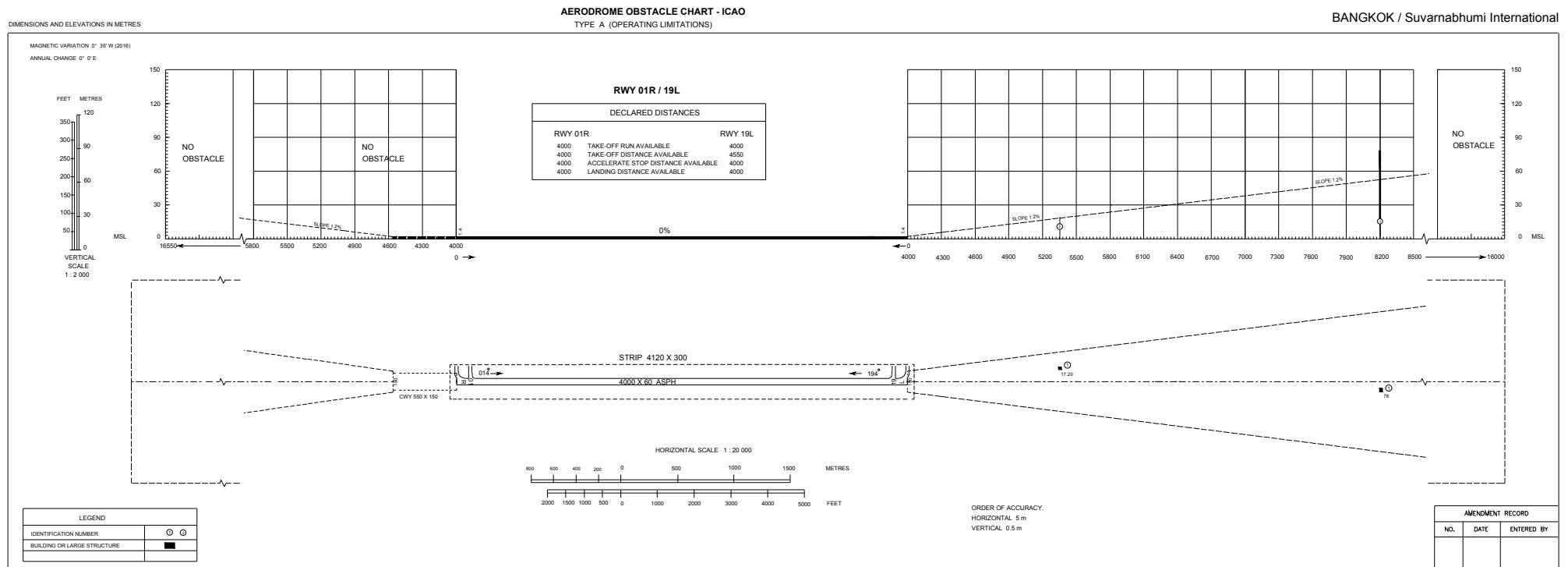
20 JUL 17

**AERODROME OBSTACLE CHART - ICAO**

BANGKOK / Suvarnabhumi International



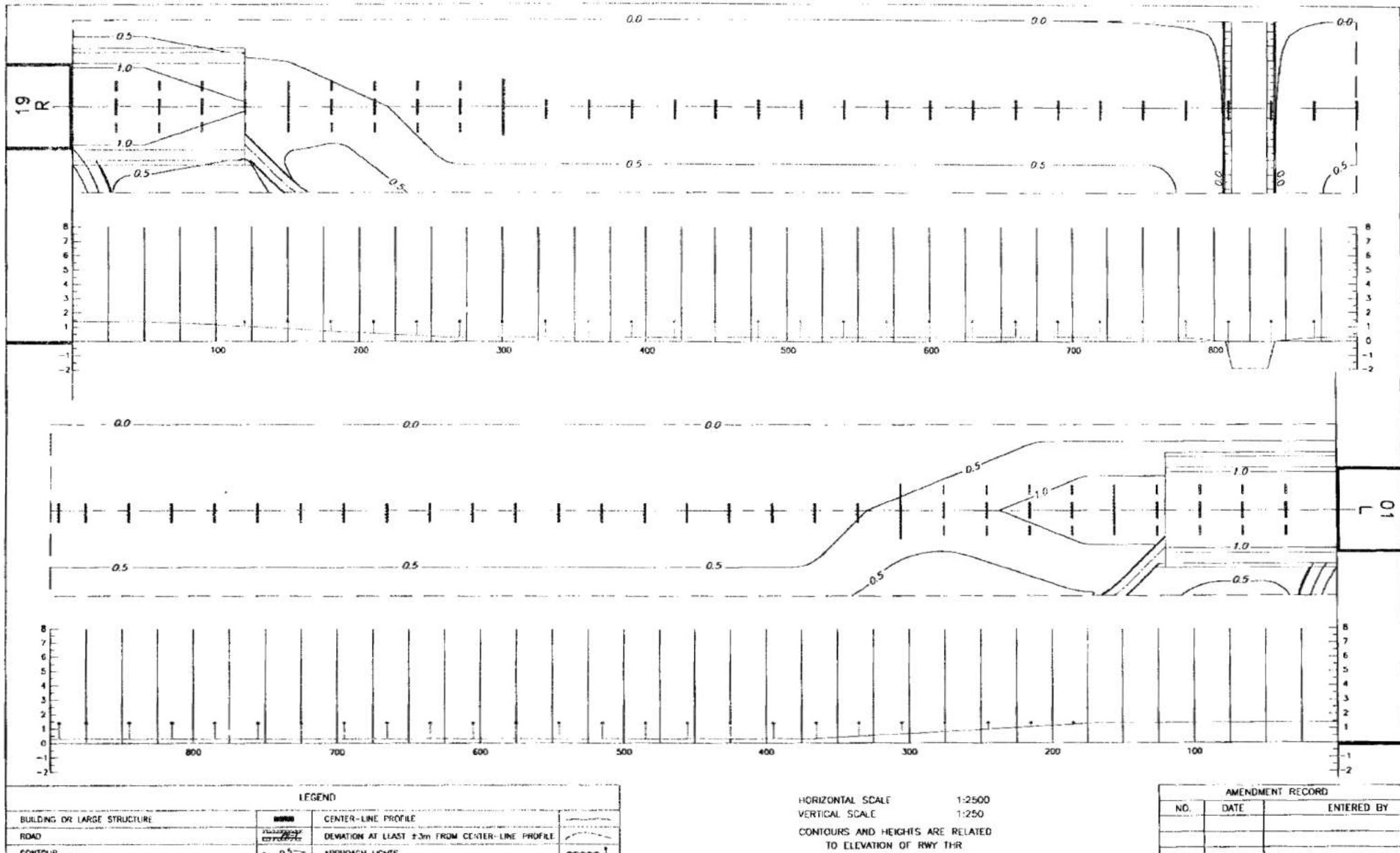
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DIMENSIONS AND ELEVATIONS IN METRES

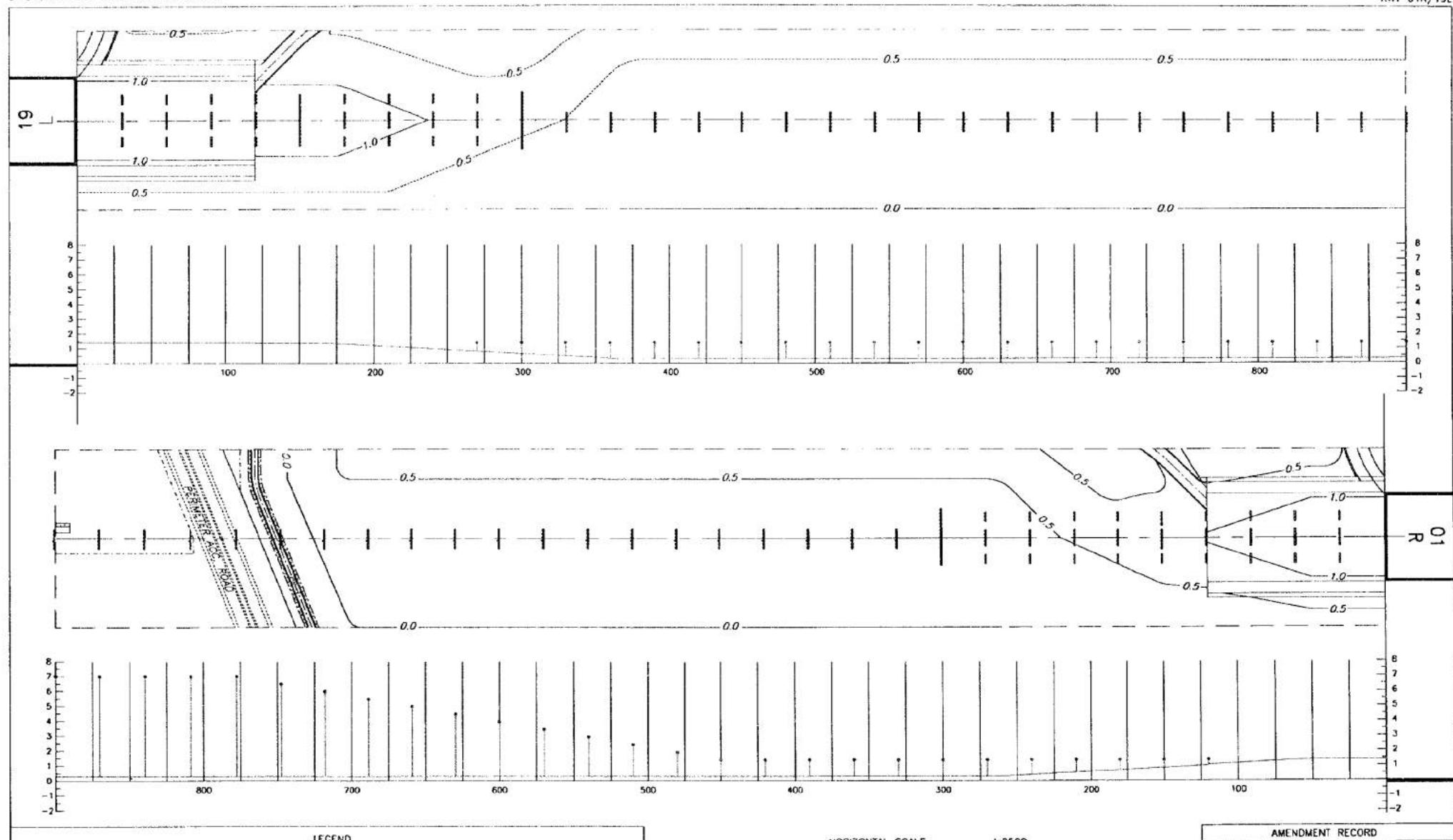
## PRECISION APPROACH TERRAIN CHART - ICAO

BANGKOK/Suvarnabhumi International  
RWY01/19R

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DIMENSIONS AND ELEVATIONS IN METRES

## PRECISION APPROACH TERRAIN CHART - ICAO

BANGKOK/Suvarnabhumi International  
RWY 01R/19L

## LEGEND

BUILDING OR LARGE STRUCTURE		CENTER-LINE PROFILE	
ROAD		DEVIATION AT LEAST ±3M FROM CENTER-LINE PROFILE	
CONTOUR		APPROACH LIGHTS	

HORIZONTAL SCALE 1:2500

VERTICAL SCALE 1:250

CONTOURS AND HEIGHTS ARE RELATED  
TO ELEVATION OF RWY THR

## AMENDMENT RECORD

NO.	DATE	ENTERED BY

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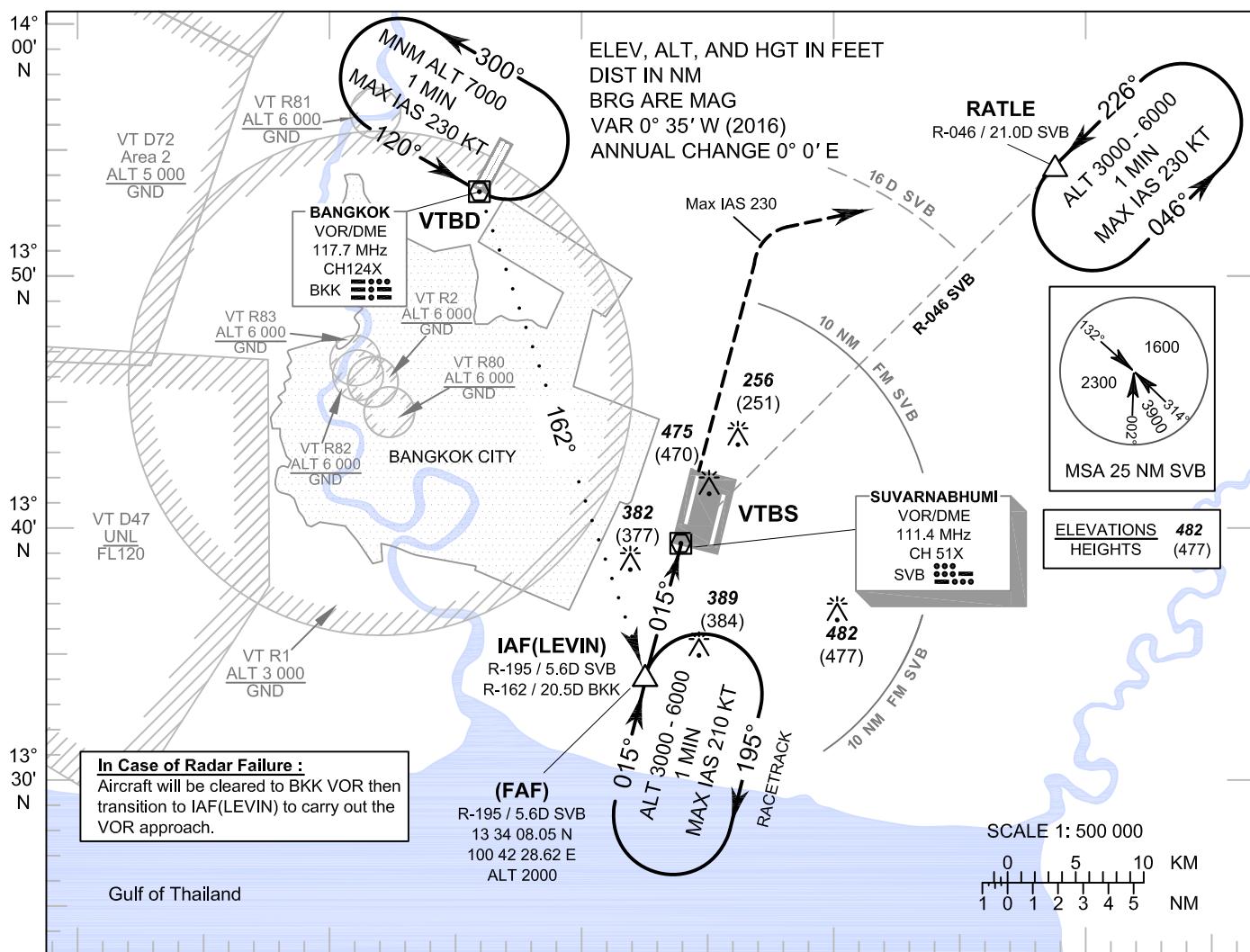
INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
AERODROME ELEV

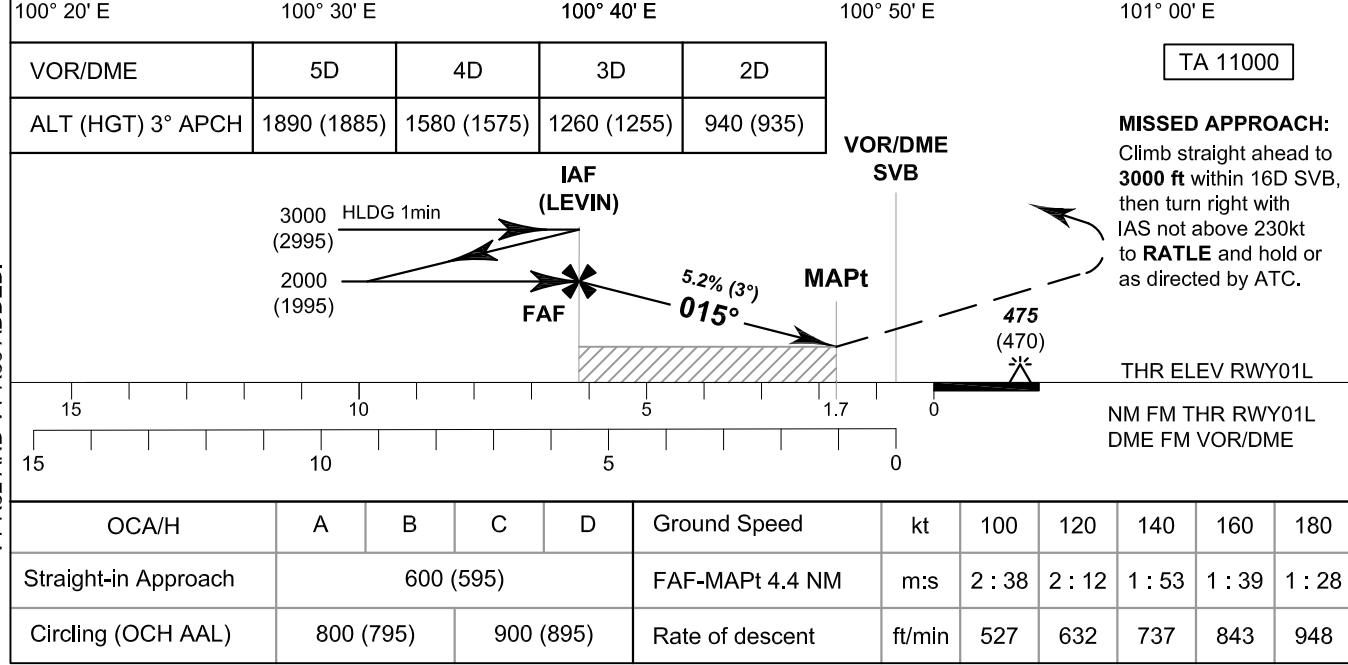
APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
	: 126.3
TWR	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

VOR RWY01L



CHANGE: DME, RADIALS, MSA, MAG VAR, FREQUENCIES.  
VT R82 AND VT R83 ADDED.



**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
AERODROME ELEV**

**BANGKOK / Suvarnabhumi Intl (VTBS)  
VOR RWY01L**

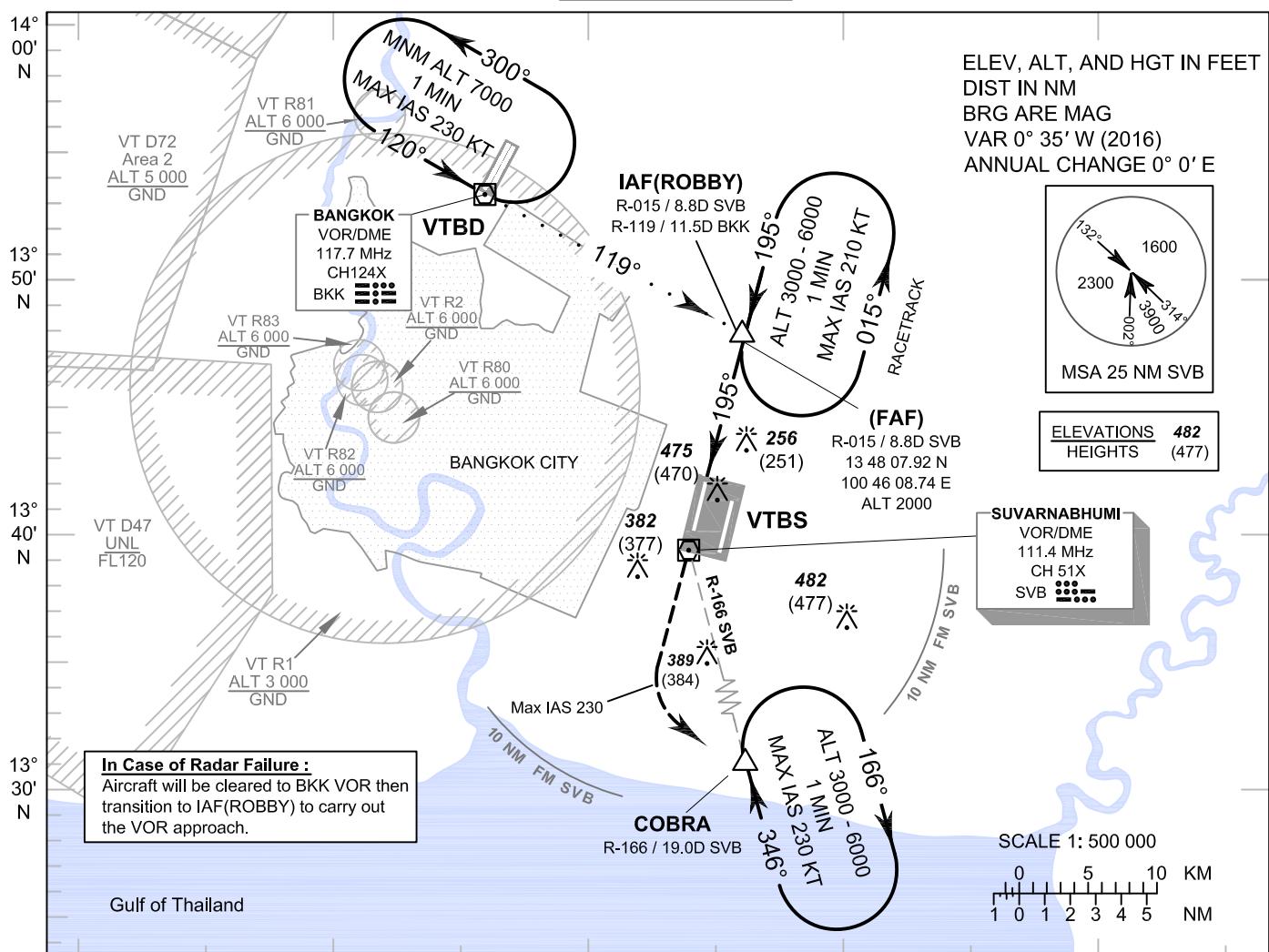
<b>Facility</b>	<b>Latitude</b>	<b>Longitude</b>
VOR/DME (SVB)	13° 39' 32.50" N	100° 43' 53.20" E
VOR/DME (BKK)	13° 53' 36.80" N	100° 35' 46.30" E
IAF (LEVIN)	13° 34' 08.05" N	100° 42' 28.62" E
RATLE	13° 54' 26.87" N	100° 59' 09.24" E

## **INSTRUMENT APPROACH CHART - ICAO**

## AERODROME ELEV 5 FT HEIGHTS RELATED TO AERODROME ELEV

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
	: 126.3
TWR	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

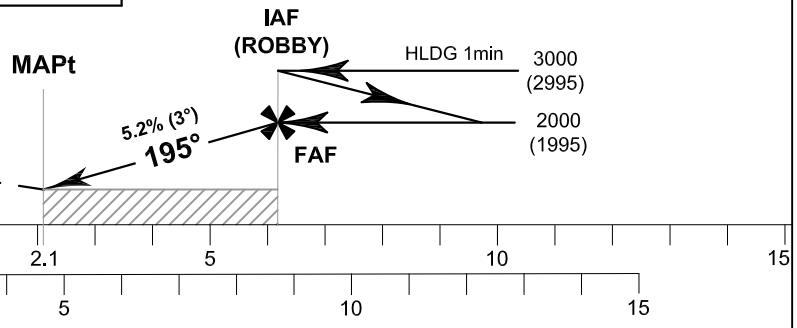
**BANGKOK / Suvarnabhumi Intl (VTBS)**



CHANGE: DME. RADIALS. MSA. MAG VAR. FREQUENCIES.  
VT R82 AND VT R83 ADDED.

VOR/DME	5D	6D	7D
ALT (HGT) 3° APCH	790 (785)	1100 (1095)	1420 (1415)

**MISSED APPROACH:**  
Climb straight ahead to  
**3000ft**, then turn left with  
IAS not above 230kt  
to **COBRA** and hold or  
as directed by ATC.



OCA/H	A	B	C	D	Ground Speed	kt	100	120	140	160	180
Straight-in Approach		730 (725)			FAF-MAPt 4.0 NM	m:s	2 : 24	2 : 00	1 : 43	1 : 30	1 : 20
Circling (OCH AAL)	800 (795)		900 (895)		Rate of descent	ft/min	527	632	737	843	948

INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
AERODROME ELEV

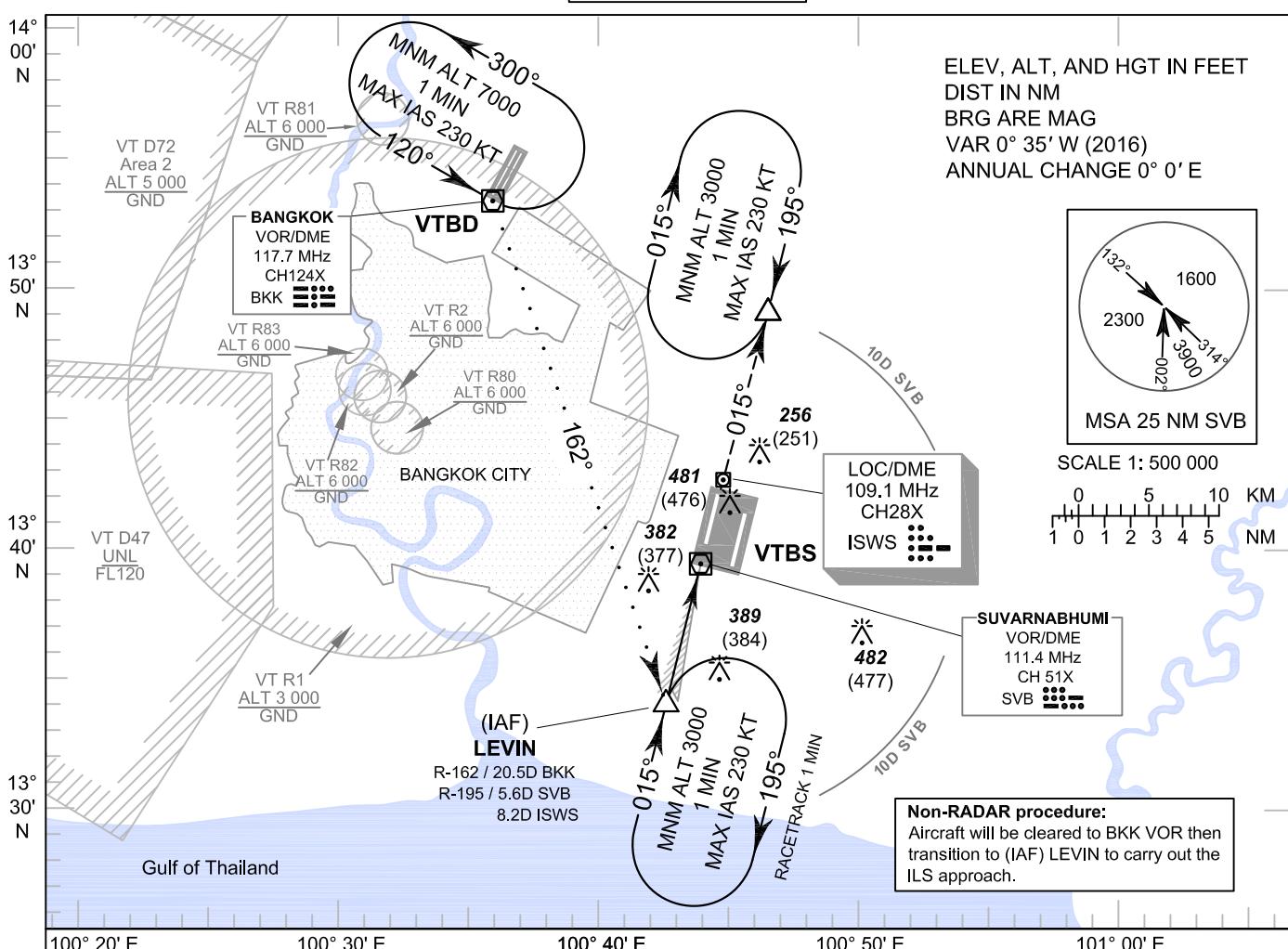
BANGKOK / Suvarnabhumi Intl (VTBS)  
VOR RWY19R

Facility	Latitude	Longitude
VOR/DME (SVB)	13° 39' 32.50" N	100° 43' 53.20" E
VOR/DME (BKK)	13° 53' 36.80" N	100° 35' 46.30" E
IAF (ROBBY)	13° 48' 07.92" N	100° 46' 08.74" E
COBRA	13° 21' 06.47" N	100° 48' 55.85" E

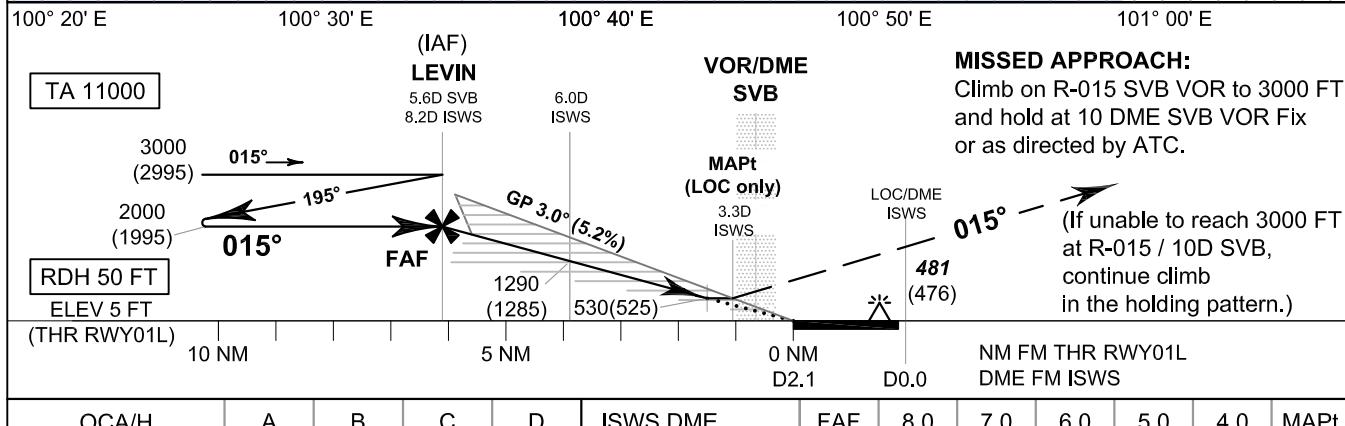
INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01L - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
ARR	: 125.2, 262.5
	: 121.1
TWR	: 126.3
	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC y RWY01L  
CAT II

CHANGE: REALIGNMENT. MISSED APPROACH INSTRUCTION.



OCA/H	A	B	C	D	ISWS DME	FAF	8.0	7.0	6.0	5.0	4.0	MAPt
Straight-in Approach	CAT I	230 (225)*			Altitudes	2000	1920	1610	1290	970	650	530
	CAT II	105 (100)**			Speed / Knots			100	120	140	160	180
LOC only		530 (525)			FAF-MAPt 4.9 NM			2 : 56	2 : 27	2 : 06	1 : 50	1 : 38
Circling (OCH AAL)	800 (795)	900 (895)	Rate of descent (ft/min)				530	640	745	850	955	

\*These procedures require a missed approach climb gradient of 5% (304 FT/NM) until passing ALT 1000 FT. For aircraft which only achieve a 2.5% (152 FT/NM) climb gradient, the CAT I OCA (OCH) is 370 (365) FT

\*\*These procedures require a missed approach climb gradient of 4% (243 FT/NM) until passing ALT 1000 FT. For aircraft which only achieve a 2.5% (152 FT/NM) climb gradient, the CAT II OCA (OCH) is 295 (290) FT

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01L - ELEV 5 FT**

**BANGKOK / Suvarnabhumi Intl (VTBS)**

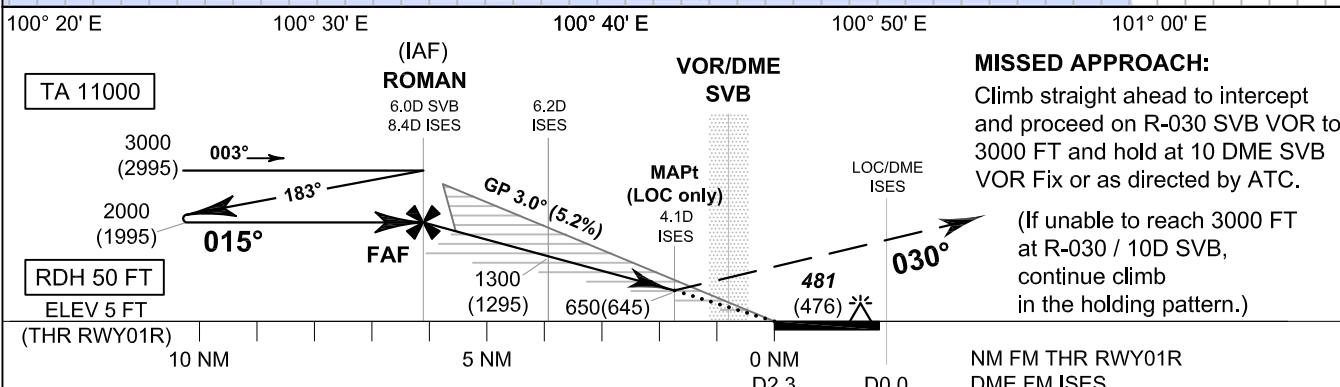
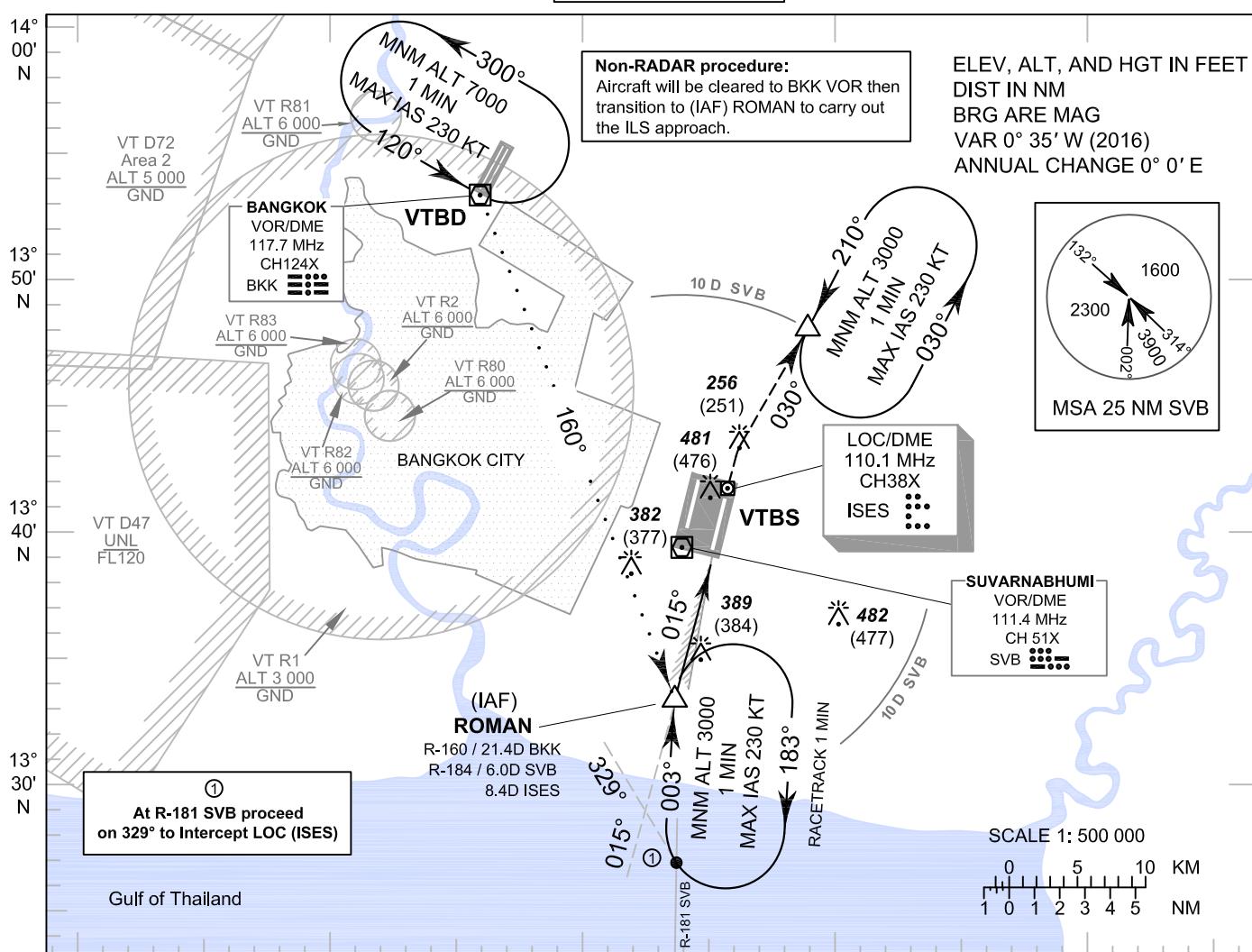
**ILS or LOC y RWY01L  
CAT II**

<b>FIX / POINT</b>		<b>COORDINATES</b>	
(IAF) LEVIN	8.2D ISWS	13° 34' 08.05" N	100° 42' 28.62" E
LOC/DME	ISWS	13° 42' 22.30" N	100° 44' 37.80" E
GP	ISWS	13° 40' 27.80" N	100° 44' 03.60" E
VOR/DME	SVB	13° 39' 32.50" N	100° 43' 53.20" E
VOR/DME	BKK	13° 53' 36.80" N	100° 35' 46.30" E

INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01R - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
ARR	: 125.2, 262.5
	: 121.1
TWR	: 126.3
	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC y RWY01R  
CAT II

CHANGE: REALIGNMENT MISSED APPROACH INSTRUCTION.

OCA/H	A	B	C	D	ISES DME	FAF	8.0	7.0	6.0	5.0	MAPt
Straight-in Approach	CAT I	205 (200)			Altitudes	2000	1870	1550	1240	920	650
	CAT II	105 (100)			Speed / Knots	100	120	140	160	180	
LOC only	650 (645)			FAF-MAPt 4.3 NM			2 : 35	2 : 09	1 : 50	1 : 36	1 : 26
Circling (OCH AAL)	800 (795)	900 (895)	Rate of descent (ft/min)			530	640	745	850	955	

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01R - ELEV 5 FT**

**BANGKOK / Suvarnabhumi Intl (VTBS)**

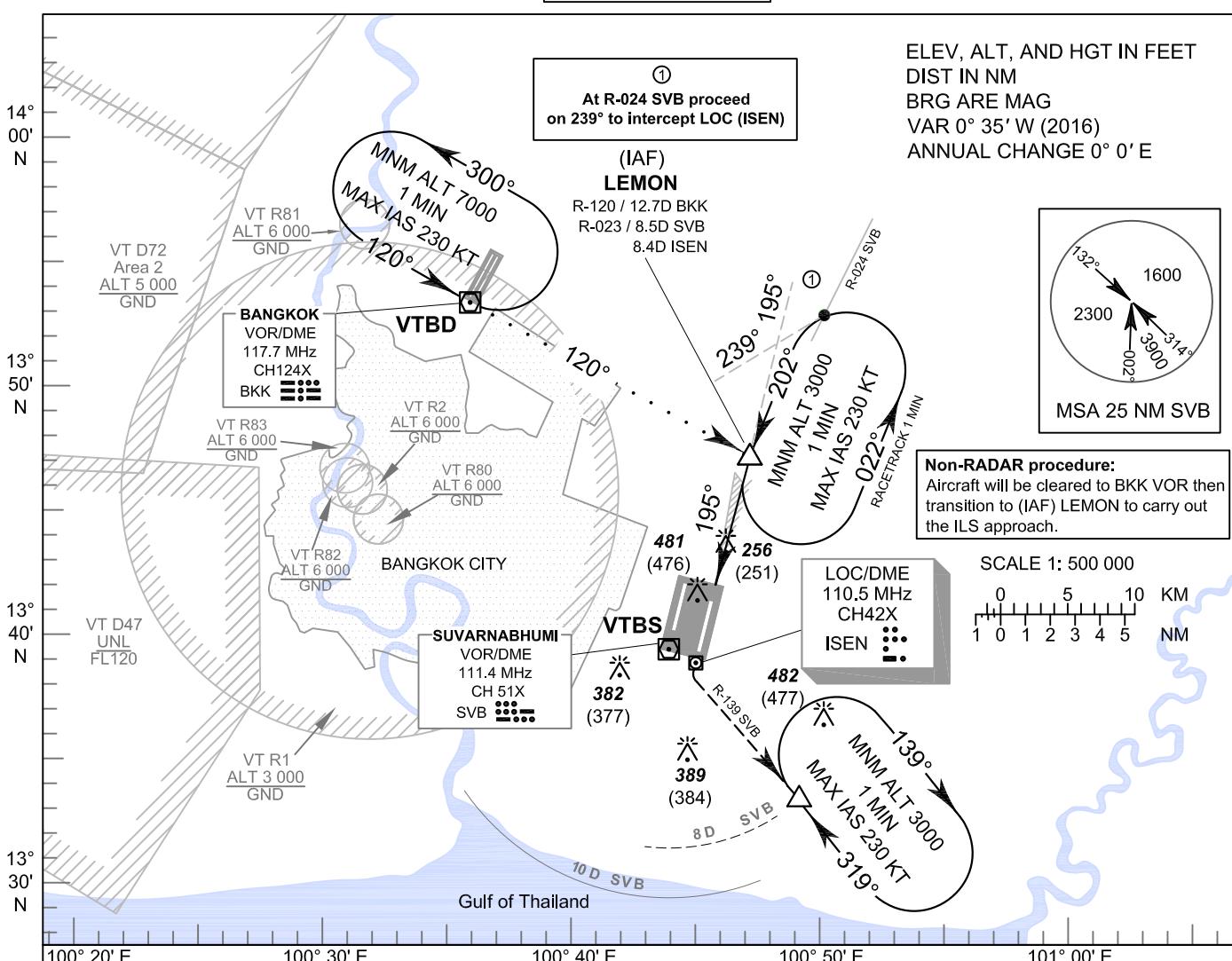
**ILS or LOC y RWY01R  
CAT II**

<b>FIX / POINT</b>		<b>COORDINATES</b>	
(IAF) ROMAN	8.4D ISES	13° 33' 29.40" N	100° 43' 33.00" E
LOC/DME	ISES	13° 41' 39.30" N	100° 45' 42.10" E
GP	ISES	13° 39' 33.40" N	100° 45' 13.10" E
VOR/DME	SVB	13° 39' 32.50" N	100° 43' 53.20" E
VOR/DME	BKK	13° 53' 36.80" N	100° 35' 46.30" E

INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19L - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
TWR	: 126.3
	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC y RWY19L  
CAT IICHANGE: REALIGNMENT. MISSED APPROACH INSTRUCTION.  
LEMON RADIAL.

## MISSIED APPROACH:

Climb straight ahead to intercept and proceed on R-139 SVB VOR to 3000 FT and hold at 8 DME SVB VOR Fix or as directed by ATC.

(If unable to reach 3000 FT at R-139 / 8D SVB, continue climb in the holding pattern.)

VOR/DME  
SVB

MAPt  
(LOC only)  
4.0D  
ISEN

(IAF)  
LEMON

8.5D SVB  
8.4D ISEN

TA 11000

RDH 50 FT

ELEV 5 FT

(THR RWY19L)

NM FM THR RWY19L  
DME FM ISEN

D0.0

0 NM

5 NM

10 NM

139°

481  
(476)

GP 3.0° (5.2%)

1300  
(1295)

590(585)

6.2D  
ISEN4.0D  
ISEN

590

920

1240

1550

1870

2000

202°

3000  
(2995)

022°

2000  
(1995)

195°

FAF

195°

2000  
(1995)

RDH 50 FT

ELEV 5 FT

(THR RWY19L)

OCA/H	A	B	C	D	ISEN DME	MAPt	5.0	6.0	7.0	8.0	FAF
Straight-in Approach	CAT I	205 (200)			Altitudes	590	920	1240	1550	1870	2000
	CAT II	105 (100)			Speed / Knots	100	120	140	160	180	
LOC only		590 (585)			FAF - MAPt 4.4 NM	2 : 38	2 : 12	1 : 53	1 : 39	1 : 28	
Circling (OCH AAL)		800 (795)	900 (895)	Rate of descent (ft/min)		530	640	745	850	955	

INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19L - ELEV 5 FT

BANGKOK / Suvarnabhumi Intl (VTBS)

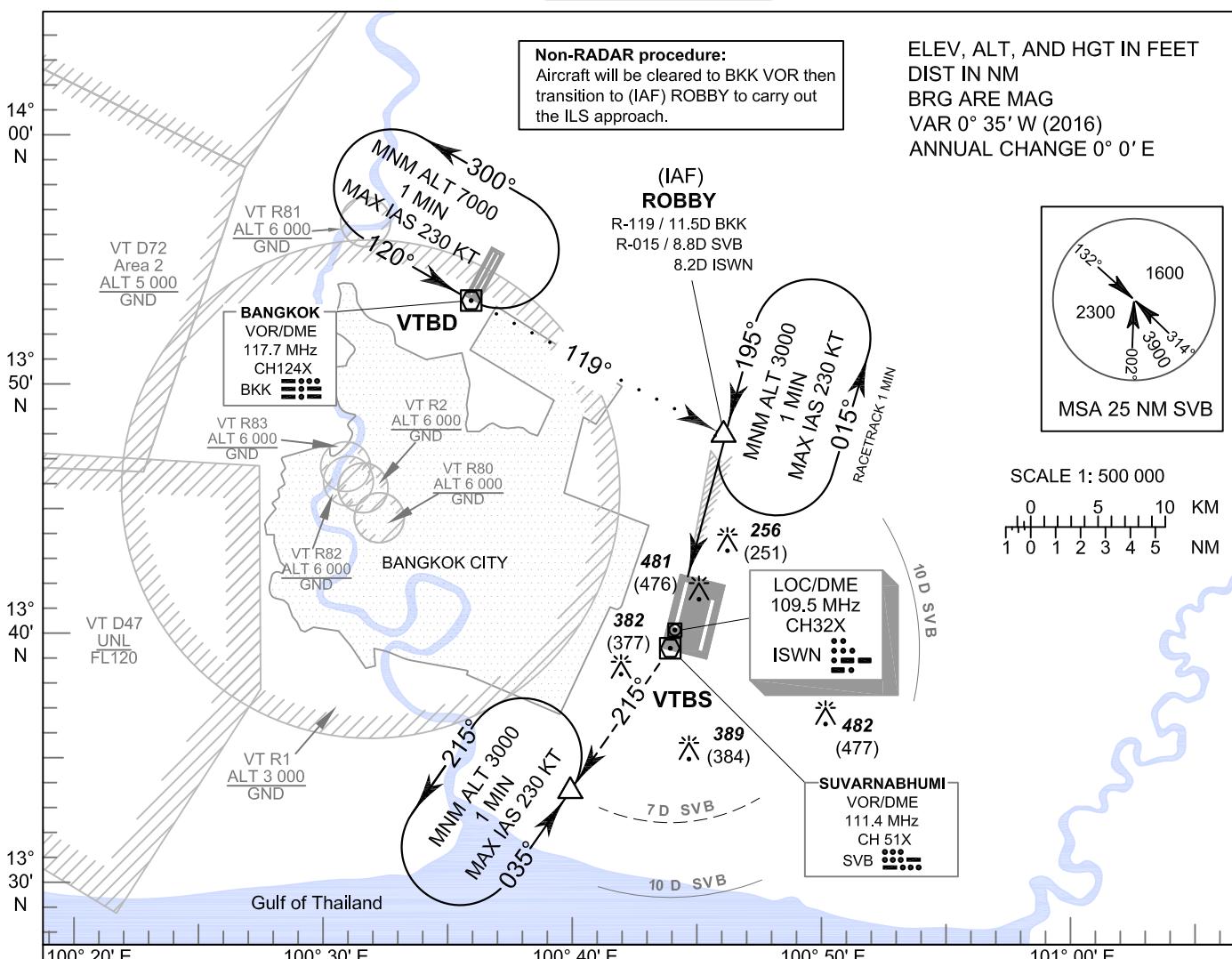
ILS or LOC y RWY19L  
CAT II

FIX / POINT		COORDINATES	
(IAF) LEMON	8.4D ISEN	13° 47' 24.60" N	100° 47' 12.60" E
LOC/DME	ISEN	13° 39' 15.00" N	100° 45' 04.20" E
GP	ISEN	13° 41' 19.00" N	100° 45' 40.90" E
VOR/DME	SVB	13° 39' 32.50" N	100° 43' 53.20" E
VOR/DME	BKK	13° 53' 36.80" N	100° 35' 46.30" E

INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19R - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
	: 126.3
TWR	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

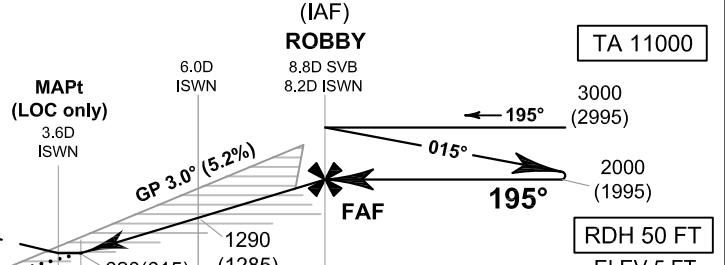
BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC y RWY19R  
CAT II

CHANGE: REALIGNMENT. MISSED APPROACH INSTRUCTION.

## MISSED APPROACH:

Climb straight ahead to SVB VOR, turn right on R-215 SVB VOR to 3000 FT and hold at 7 DME SVB VOR Fix or as directed by ATC. (If unable to reach 3000 FT at R-215 / 7D SVB, continue climb in the holding pattern.)

VOR/DME  
SVBNM FM THR RWY19R  
DME FM ISWN

D0.0

0 NM

5 NM

10 NM

OCA/H	A	B	C	D	ISWN DME	MAPt	4.0	5.0	6.0	7.0	8.0	FAF
Straight-in Approach	CAT I	205 (200)			Altitudes	620	650	970	1290	1610	1920	2000
	CAT II	105 (100)			Speed / Knots			100	120	140	160	180
LOC only		620 (615)			FAF - MAPt 4.6 NM		2 : 45	2 : 18	1 : 58	1 : 43	1 : 32	
Circling (OCH AAL)		800 (795)	900 (895)	Rate of descent (ft/min)			530	640	745	850	955	

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19R - ELEV 5 FT**

**BANGKOK / Suvarnabhumi Intl (VTBS)**

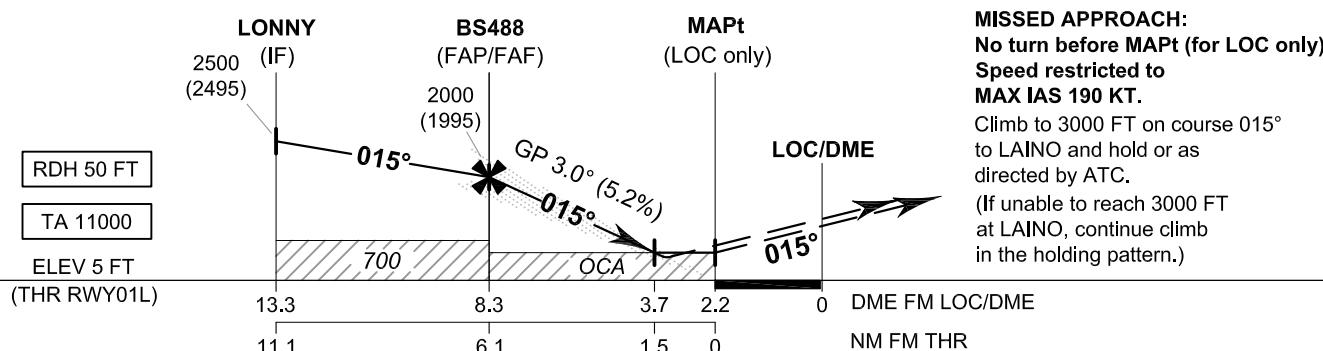
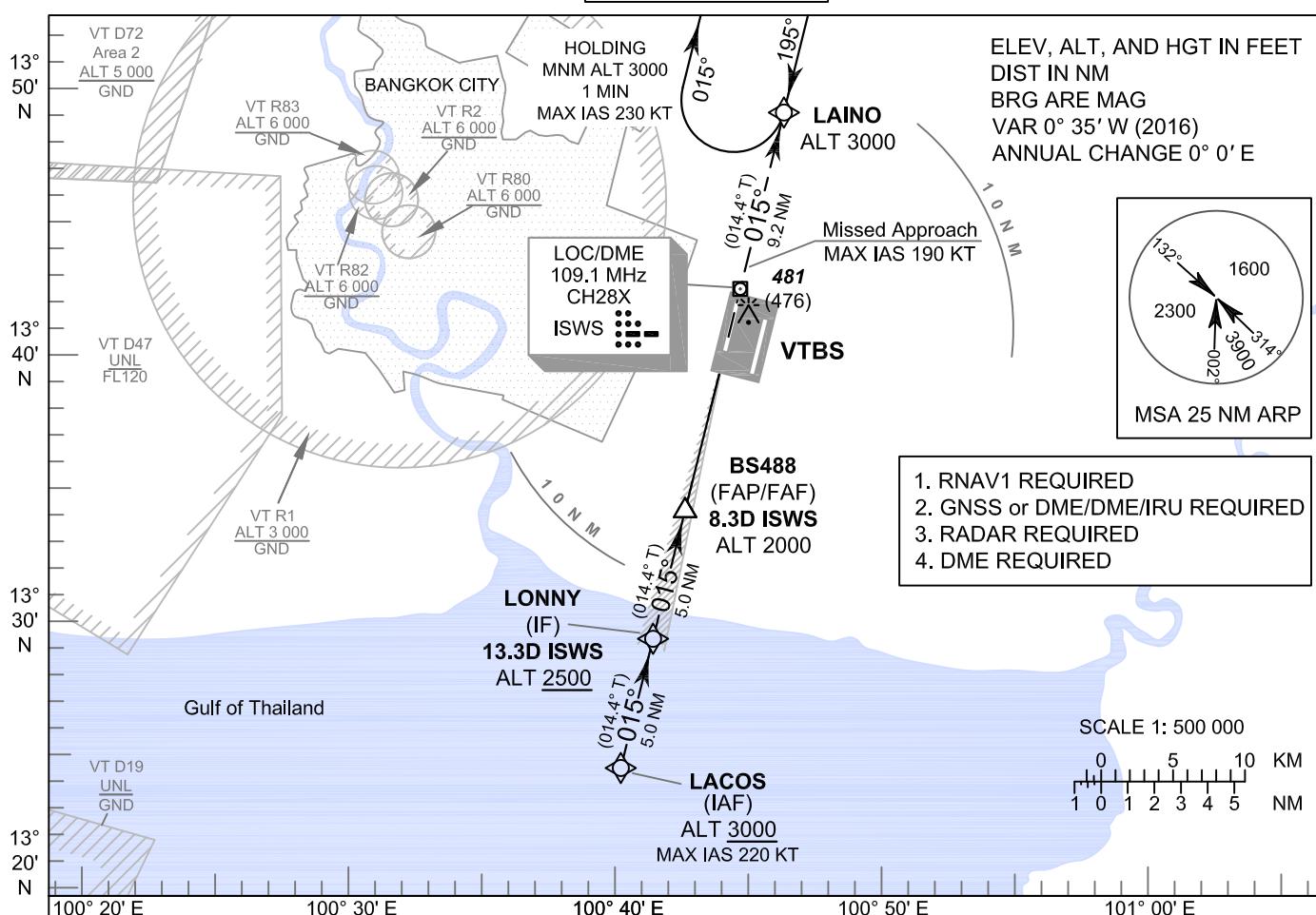
**ILS or LOC y RWY19R  
CAT II**

<b>FIX / POINT</b>		<b>COORDINATES</b>	
(IAF) ROBBY	8.2D ISWN	13° 48' 07.92" N	100° 46' 08.74" E
LOC/DME	ISWN	13° 40' 07.50" N	100° 44' 02.40" E
GP	ISWN	13° 42' 03.90" N	100° 44' 28.90" E
VOR/DME	SVB	13° 39' 32.50" N	100° 43' 53.20" E
VOR/DME	BKK	13° 53' 36.80" N	100° 35' 46.30" E

INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01L - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
TWR	: 126.3
	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC z RWY01L  
CAT II

OCA/H		A	B	C	D	GS OUT	Distance (ISWS)	FAF	8 D	7 D	6 D	5 D	4 D	3.7 D	
Straight-in Approach	CAT I	230 (225) *					Altitude (Height)	2000 (1995)	1890 (1885)	1570 (1565)	1255 (1250)	940 (935)	625 (620)	530 (525)	
	CAT II	105 (100) **					Ground speed	knot	70	90	100	120	140	160	
LOC only		530 (525)					Rate of descent (5.2%)	ft/min	369	474	527	632	737	843	
Circling (OCH AAL)		800 (795)	900 (895)												

\* These procedures require a missed approach climb gradient of 5% (304 FT/NM) until passing ALT 1000 FT.  
For aircraft which only achieve a 2.5% (152 FT/NM) climb gradient, the CAT I OCA (OCH) is 370 (365) FT

\*\* These procedures require a missed approach climb gradient of 4% (243 FT/NM) until passing ALT 1000 FT.  
For aircraft which only achieve a 2.5% (152 FT/NM) climb gradient, the CAT II OCA (OCH) is 295 (290) FT

INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01L - ELEV 5 FT

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC z RWY01L  
CAT II

#### TABULAR DESCRIPTION

ILS or LOC z RWY01L											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ RDH	Navigation Specification
010	IF	LACOS (IAF)	-	-	+0.58	-	-	+3000	-220	-	RNAV 1
020	TF	LONNY (IF)	-	015°(014.4°)	+0.58	5.0	-	+2500	-	-	RNAV 1
TRANSITION TO ILS or LOC											
030	TF	BS488 (FAP/FAF)	-	015°(014.4°)	+0.58	5.0	-	@2000	-	-	ILS
040	TF	MAPt (LOC only) @ RWY01L	Y	015°(014.4°)	+0.58	6.1	-	@55	-	-3.0/50	ILS
050	CF	LAINO	-	015°(014.4°)	+0.58	9.2	-	-	-190	-	RNAV 1
060	HM	LAINO	Y	195°(194.3°)	+0.58	1 minute	R	+3000	-230	-	RNAV 1

#### WAYPOINT LIST

ILS or LOC z RWY01L		
Waypoint Identifier	Coordinates	Pronunciation
LACOS	13° 24' 36.37" N 100° 39' 57.98" E	LAH - COSS
LONNY	13° 29' 28.22" N 100° 41' 14.53" E	LON - NEE
BS488	13° 34' 20.54" N 100° 42' 31.34" E	-
RW01L	13° 40' 16.60" N 100° 44' 04.79" E	-
LAINO	13° 49' 16.40" N 100° 46' 25.67" E	LAI - NOH

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01L - ELEV 5 FT**

**BANGKOK / Suvarnabhumi Intl (VTBS)**

**ILS or LOC z RWY01L  
CAT II**

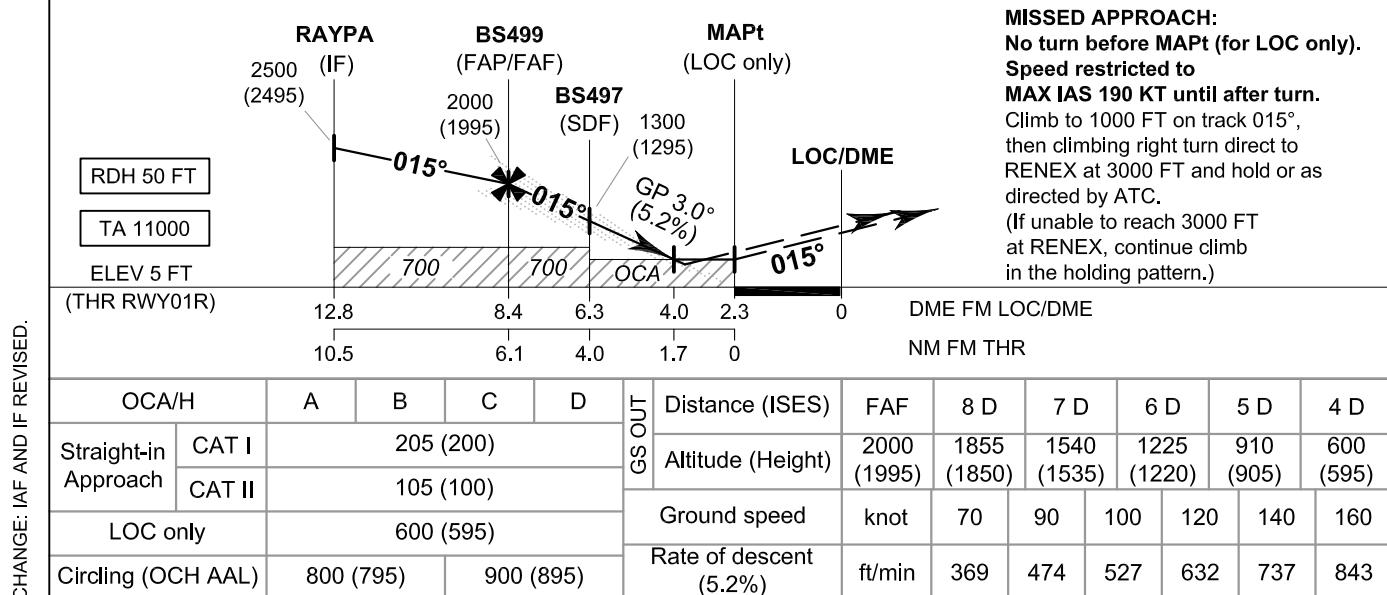
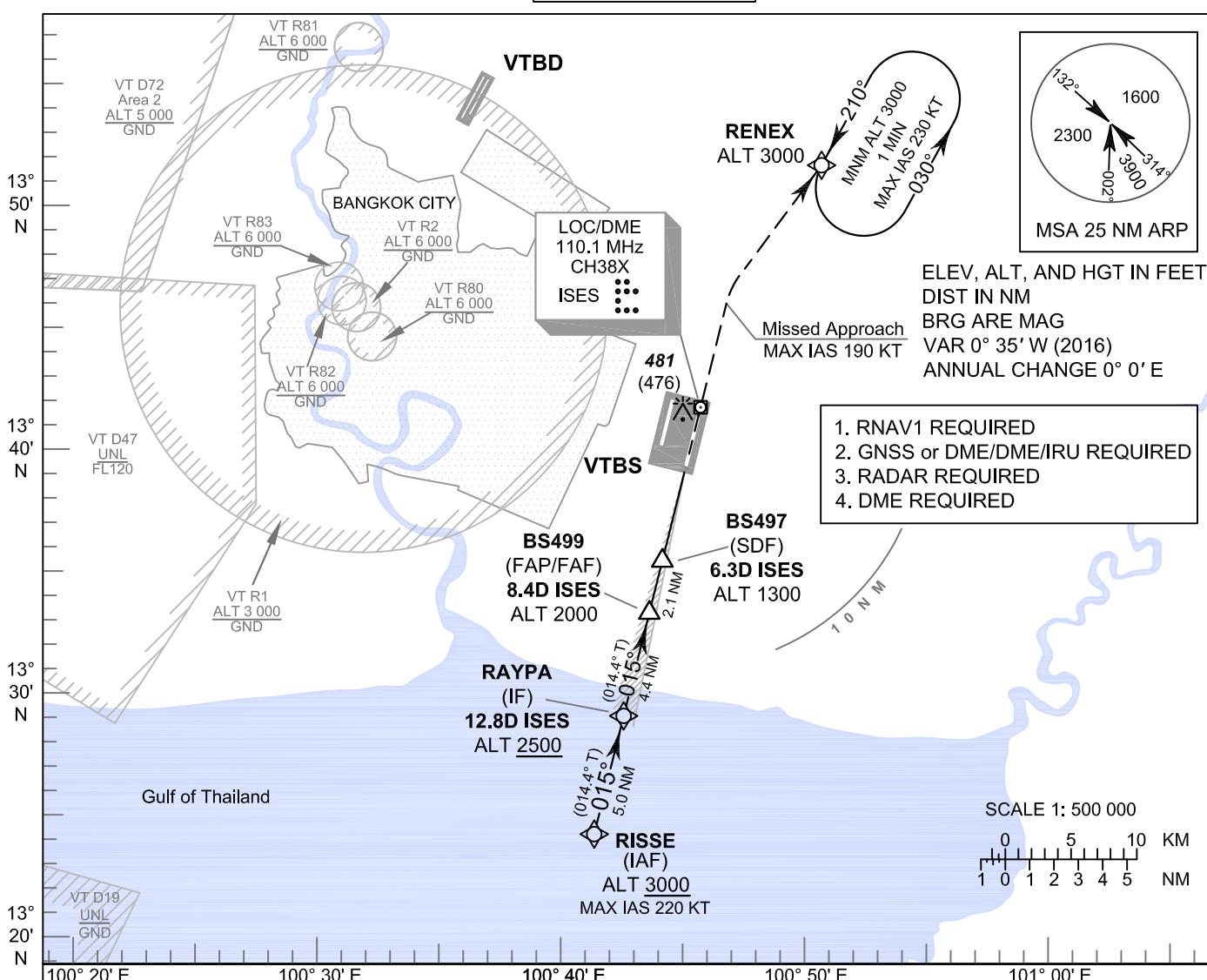
<b>FIX / POINT</b>		<b>COORDINATES</b>	
LONNY (IF)	13.3D ISWS	13° 29' 28.22" N	100° 41' 14.53" E
BS488 (FAP/FAF)	8.3D ISWS	13° 34' 20.54" N	100° 42' 31.34" E
MAPt (LOC only) @ RWY01L	2.2D ISWS	13° 40' 16.60" N	100° 44' 04.79" E
LOC/DME	ISWS	13° 42' 22.30" N	100° 44' 37.80" E
GP	ISWS	13° 40' 27.80" N	100° 44' 03.60" E

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INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01R - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
ARR	: 125.2, 262.5
	: 121.1
TWR	: 126.3
	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC z RWY01R  
CAT II

INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01R - ELEV 5 FT

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC z RWY01R  
CAT II

#### TABULAR DESCRIPTION

ILS or LOC z RWY01R											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ RDH	Navigation Specification
010	IF	RISSE (IAF)	-	-	+0.58	-	-	+3000	-220	-	RNAV 1
020	TF	RAYPA (IF)	-	015°(014.4°)	+0.58	5.0	-	+2500	-	-	RNAV 1
TRANSITION TO ILS or LOC											
030	TF	BS499 (FAP/FAF)	-	015°(014.4°)	+0.58	4.4	-	@2000	-	-	ILS
040	TF	BS497 (SDF)	-	015°(014.4°)	+0.58	2.1	-	@1300	-	-	ILS
050	TF	MAPt (LOC only) @ RWY01R	Y	015°(014.4°)	+0.58	4.0	-	@55	-	-3.0/50	ILS
060	CA	-	-	015°(014.4°)	+0.58	-	-	+1000	-190	-	RNAV 1
070	DF	RENEX	-	-	+0.58	-	R	-	-190	-	RNAV 1
080	HM	RENEX	Y	210°(209.3°)	+0.58	1 minute	L	+3000	-230	-	RNAV 1

#### WAYPOINT LIST

ILS or LOC z RWY01R		
Waypoint Identifier	Coordinates	Pronunciation
RISSE	13° 24' 18.49" N 100° 41' 08.88" E	RIS - SAY
RAYPA	13° 29' 10.33" N 100° 42' 25.43" E	RAY - PAH
BS499	13° 33' 28.06" N 100° 43' 33.12" E	-
BS497	13° 35' 33.14" N 100° 44' 05.91" E	-
RWY01R	13° 39' 24.11" N 100° 45' 06.59" E	-
RENEX	13° 51' 48.03" N 100° 50' 55.97" E	RAY - NEKS

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01R - ELEV 5 FT**

**BANGKOK / Suvarnabhumi Intl (VTBS)**

**ILS or LOC z RWY01R  
CAT II**

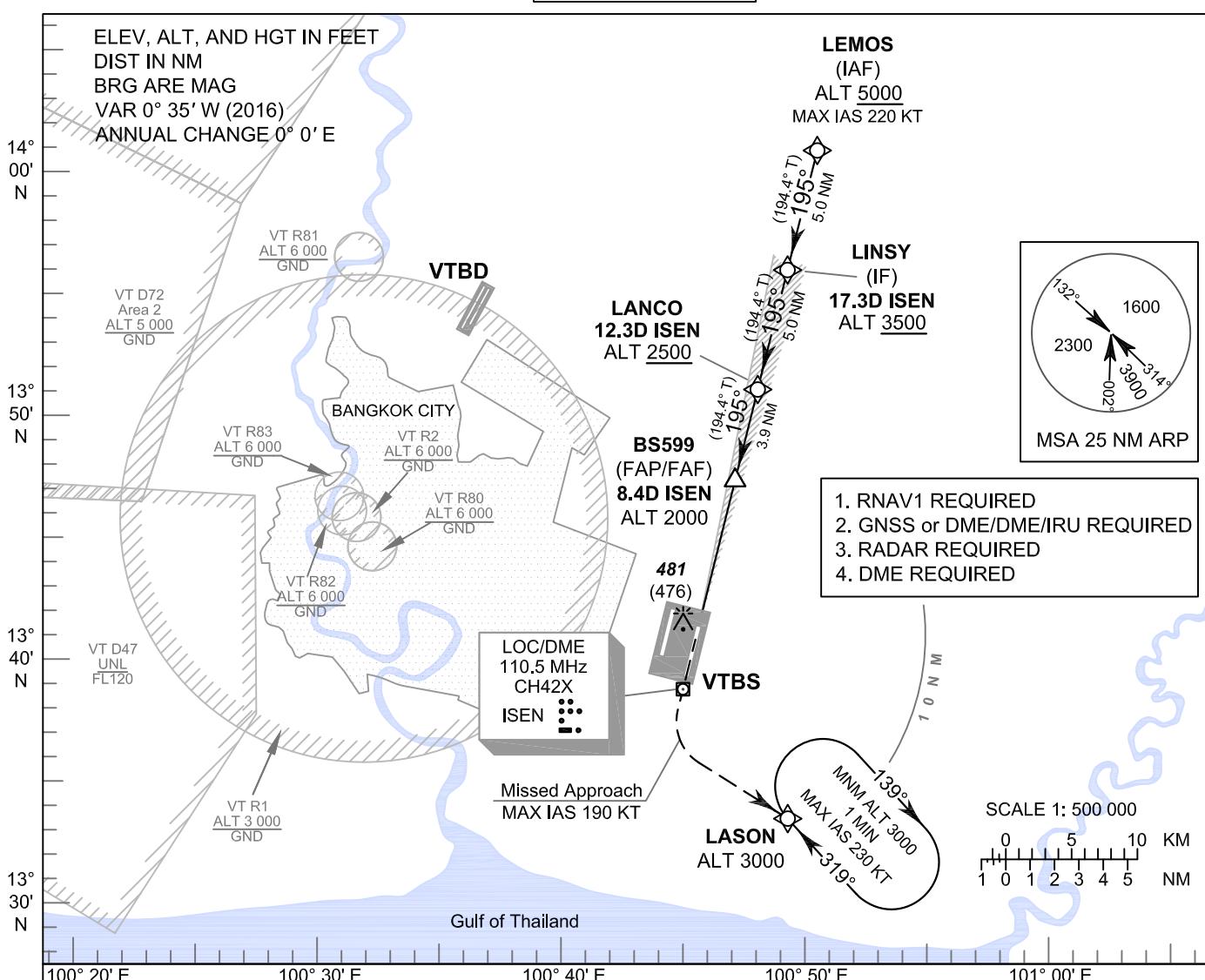
<b>FIX / POINT</b>		<b>COORDINATES</b>	
RAYPA (IF)	12.8D ISES	13° 29' 10.33" N	100° 42' 25.43" E
BS499 (FAP/FAF)	8.4D ISES	13° 33' 28.06" N	100° 43' 33.12" E
BS497 (SDF)	6.3D ISES	13° 35' 33.14" N	100° 44' 05.91" E
MAPt (LOC only) @ RW01R	2.3D ISES	13° 39' 24.11" N	100° 45' 06.59" E
LOC/DME	ISES	13° 41' 39.30" N	100° 45' 42.10" E
GP	ISES	13° 39' 33.40" N	100° 45' 13.10" E

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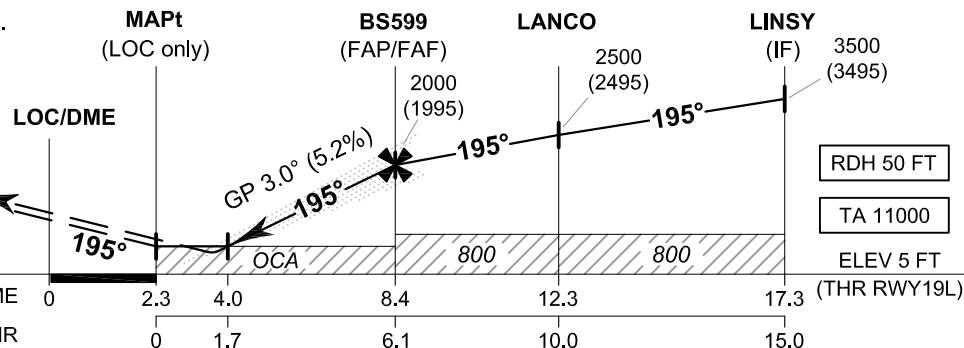
INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19L - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
ARR	: 125.2, 262.5
	: 121.1
TWR	: 126.3
	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC z RWY19L  
CAT II

**MISSED APPROACH:**  
No turn before MAPT (for LOC only).  
Speed restricted to  
MAXIAS 190 KT until after turn.  
Climb to 1000 FT on track 195°,  
then climbing left turn direct to  
LASON at 3000 FT and hold or as  
directed by ATC.  
(If unable to reach 3000 FT  
at LASON, continue climb  
in the holding pattern.)



CHANGE: IAF REVISED.

INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19L - ELEV 5 FT

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC z RWY19L  
CAT II

#### TABULAR DESCRIPTION

ILS or LOC z RWY19L											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ RDH	Navigation Specification
010	IF	LEMOS (IAF)	-	-	+0.58	-	-	+5000	-220	-	RNAV 1
020	TF	LINSY(IF)	-	195°(194.4°)	+0.58	5.0	-	+3500	-	-	RNAV 1
TRANSITION TO ILS or LOC											
030	TF	LANCO	-	195°(194.4°)	+0.58	5.0	-	+2500	-	-	ILS
040	TF	BS599 (FAP/FAF)	-	195°(194.4°)	+0.58	3.9	-	@2000	-	-	ILS
050	TF	MAPt (LOC only) @ RWY19L	Y	195°(194.4°)	+0.58	6.1	-	@55	-	-3.0/50	ILS
060	CA	-	-	195°(194.4°)	+0.58	-	-	+1000	-190	-	RNAV 1
070	DF	LASON	-	-	+0.58	-	L	-	-190	-	RNAV 1
080	HM	LASON	Y	319°(318.3°)	+0.58	1 minute	R	+3000	-230	-	RNAV 1

#### WAYPOINT LIST

ILS or LOC z RWY19L		
Waypoint Identifier	Coordinates	Pronunciation
LEMOS	14° 01' 03.35" N 100° 50' 48.54" E	LAY - MOSS
LINSY	13° 56' 08.45" N 100° 49' 30.83" E	LINN - SEE
LANCO	13° 51' 13.81" N 100° 48' 13.24" E	LAN - COH
BS599	13° 47' 26.20" N 100° 47' 13.33" E	-
RWY19L	13° 41' 30.17" N 100° 45' 39.72" E	-
LASON	13° 33' 32.40" N 100° 49' 20.92" E	LAH - SON

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19L - ELEV 5 FT**

**BANGKOK / Suvarnabhumi Intl (VTBS)**

**ILS or LOC z RWY19L  
CAT II**

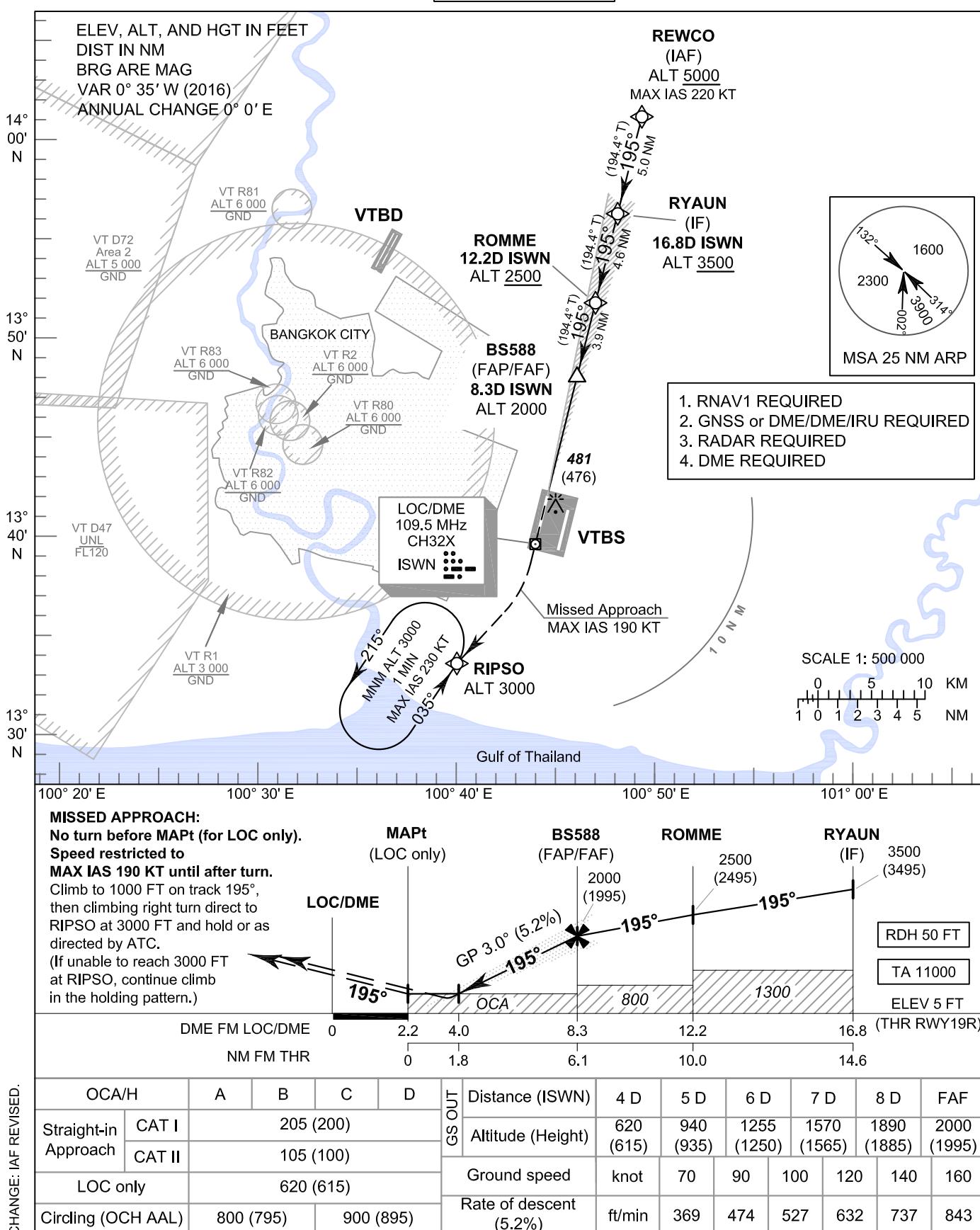
<b>FIX / POINT</b>		<b>COORDINATES</b>	
LINSY (IF)	17.3D ISEN	13° 56' 08.45" N	100° 49' 30.83" E
LANCO	12.3D ISEN	13° 51' 13.81" N	100° 48' 13.24" E
BS599 (FAP/FAF)	8.4D ISEN	13° 47' 26.20" N	100° 47' 13.33" E
MAPt (LOC only) @ RW19L	2.3D ISEN	13° 41' 30.17" N	100° 45' 39.72" E
LOC/DME	ISEN	13° 39' 15.00" N	100° 45' 04.20" E
GP	ISEN	13° 41' 19.00" N	100° 45' 40.90" E

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INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19R - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
ARR	: 125.2, 262.5
	: 121.1
TWR	: 126.3
	: 118.2, 274.5
ATIS	: 119.0
	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC z RWY19R  
CAT II

INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19R - ELEV 5 FT

BANGKOK / Suvarnabhumi Intl (VTBS)

ILS or LOC z RWY19R  
CAT II

#### TABULAR DESCRIPTION

ILS or LOC z RWY19R											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ RDH	Navigation Specification
010	IF	REWCO (IAF)	-	-	+0.58	-	-	+5000	-220	-	RNAV 1
020	TF	RYAUN (IF)	-	195°(194.4°)	+0.58	5.0	-	+3500	-	-	RNAV 1
TRANSITION TO ILS or LOC											
030	TF	ROMME	-	195°(194.4°)	+0.58	4.6	-	+2500	-	-	ILS
040	TF	BS588 (FAP/FAF)	-	195°(194.4°)	+0.58	3.9	-	@2000	-	-	ILS
050	TF	MAPt (LOC only) @ RWY19R	Y	195°(194.4°)	+0.58	6.1	-	@55	-	-3.0/50	ILS
060	CA	-	-	195°(194.4°)	+0.58	-	-	+1000	-190	-	RNAV 1
070	DF	RIPSO	-	-	+0.58	-	R	-	-190	-	RNAV 1
080	HM	RIPSO	Y	035°(034.3°)	+0.58	1 minute	L	+3000	-230	-	RNAV 1

#### WAYPOINT LIST

ILS or LOC z RWY19R		
Waypoint Identifier	Coordinates	Pronunciation
REWCO	14° 01' 21.29" N 100° 49' 37.68" E	REW - COH
RYAUN	13° 56' 26.99" N 100° 48' 20.12" E	RAI - AAN
ROMME	13° 51' 56.84" N 100° 47' 08.98" E	ROM - MEE
BS588	13° 48' 09.23" N 100° 46' 09.07" E	-
RWY19R	13° 42' 13.21" N 100° 44' 35.44" E	-
RIPSO	13° 33' 44.05" N 100° 39' 50.12" E	RIP - SO

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19R - ELEV 5 FT**

**BANGKOK / Suvarnabhumi Intl (VTBS)**

**ILS or LOC z RWY19R  
CAT II**

<b>FIX / POINT</b>		<b>COORDINATES</b>	
RYAUN (IF)	16.8D ISWN	13° 56' 26.99" N	100° 48' 20.12" E
ROMME	12.2D ISWN	13° 51' 56.84" N	100° 47' 08.98" E
BS588 (FAP/FAF)	8.3D ISWN	13° 48' 09.23" N	100° 46' 09.07" E
MAPt (LOC only) @ RW19R	2.2D ISWN	13° 42' 13.21" N	100° 44' 35.44" E
LOC/DME	ISWN	13° 40' 07.50" N	100° 44' 02.40" E
GP	ISWN	13° 42' 03.90" N	100° 44' 28.90" E

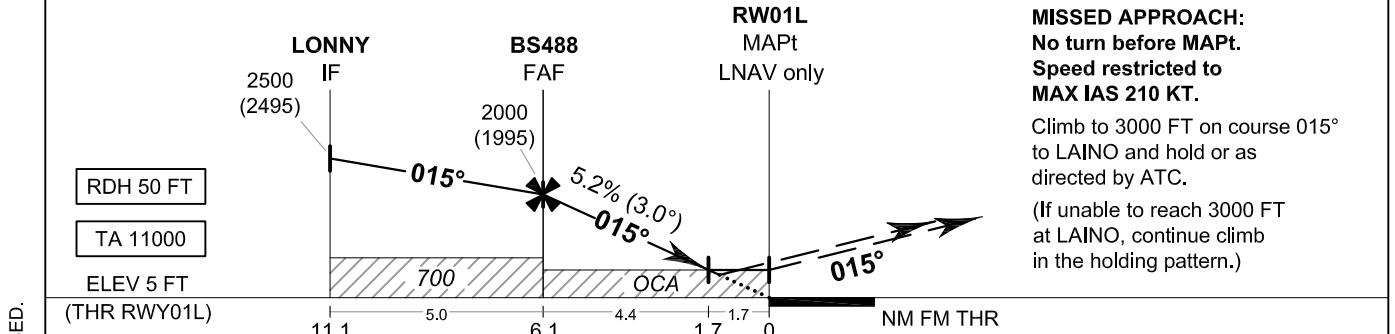
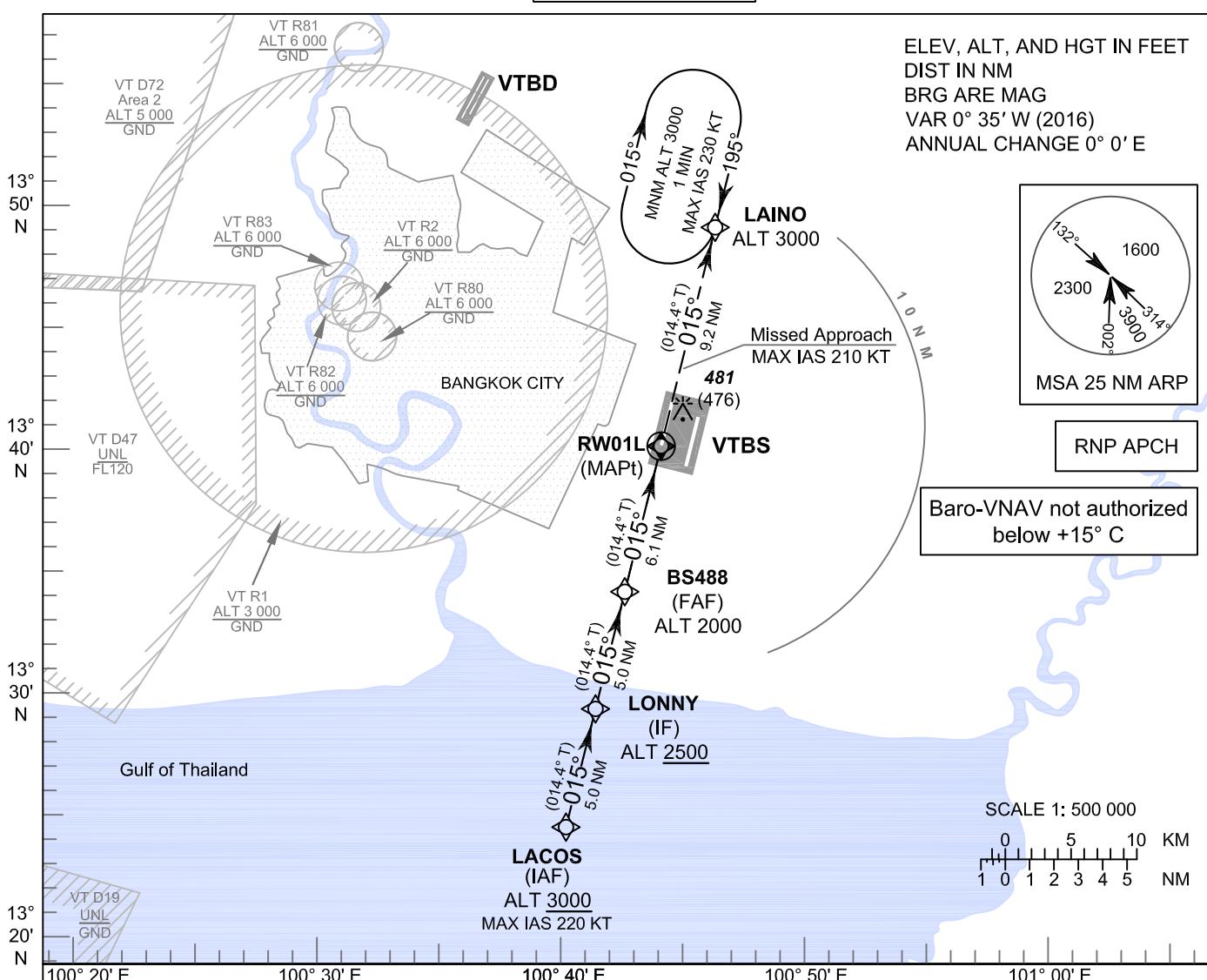
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INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01L - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
ARR	: 125.2, 262.5
	: 121.1
TWR	: 126.3
	: 118.2, 274.5
ATIS	: 119.0
	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

RNAV (GNSS) RWY01L



OCA/H	A	B	C	D	NM to NEXT WPT	FAF	6 NM	5 NM	4 NM	3 NM	2 NM	1.7 NM
LNAV / VNAV		400 (395)			Altitude (Height)	2000 (1995)	1950 (1945)	1635 (1630)	1320 (1315)	1005 (1000)	690 (685)	600 (595)
LNAV		600 (595)			Ground speed	knot	70	90	100	120	140	160
Circling (OCH AAL)	800 (795)	900 (895)			Rate of descent FAF-MAPt 5.2%	ft/min	369	474	527	632	737	843

INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01L - ELEV 5 FT

BANGKOK / Suvarnabhumi Intl (VTBS)

RNAV (GNSS) RWY01L

#### TABULAR DESCRIPTION

##### RNAV (GNSS) RWY01L

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
010	IF	LACOS (IAF)	-	-	+0.58	-	-	+3000	-220	-	RNP APCH
020	TF	LONNY(IF)	-	015°(014.4°)	+0.58	5.0	-	+2500	-	-	RNP APCH
030	TF	BS488 (FAF)	-	015°(014.4°)	+0.58	5.0	-	@2000	-	-	RNP APCH
040	TF	RW01L (MAPt)	Y	015°(014.4°)	+0.58	6.1	-	@55	-	-3.0/50	RNP APCH
050	CF	LAINO	-	015°(014.4°)	+0.58	9.2	-	-	-210	-	RNP APCH
060	HM	LAINO	Y	195°(194.3°)	+0.58	1 minute	R	+3000	-230	-	RNP APCH

#### WAYPOINT LIST

##### RNAV (GNSS) RWY01L

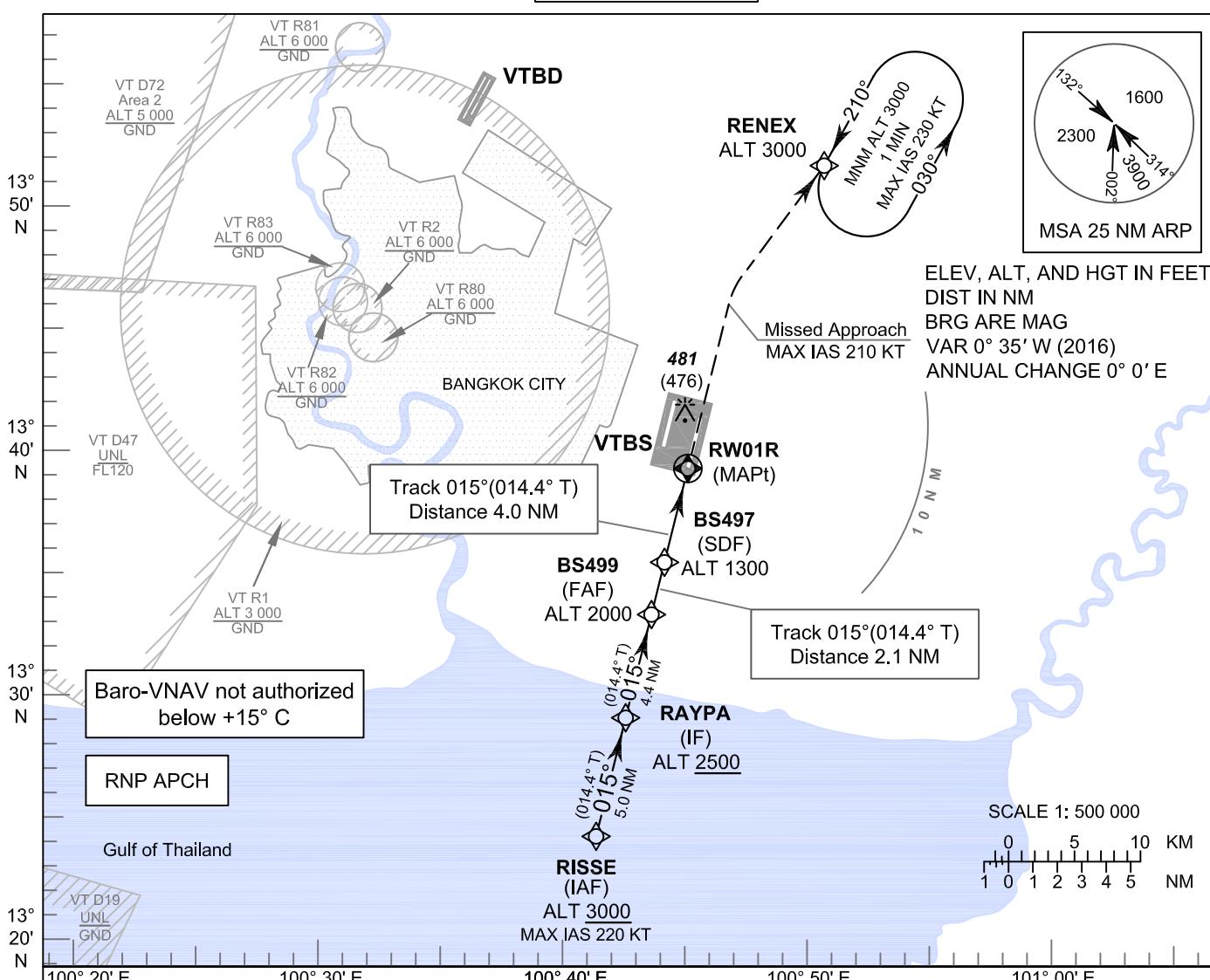
Waypoint Identifier	Coordinates	Pronunciation
LACOS	13° 24' 36.37" N 100° 39' 57.98" E	LAH - COSS
LONNY	13° 29' 28.22" N 100° 41' 14.53" E	LON - NEE
BS488	13° 34' 20.54" N 100° 42' 31.34" E	-
RW01L	13° 40' 16.60" N 100° 44' 04.79" E	-
LAINO	13° 49' 16.40" N 100° 46' 25.67" E	LAI - NOH

INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01R - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
ARR	: 125.2, 262.5
	: 121.1
TWR	: 126.3
	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)

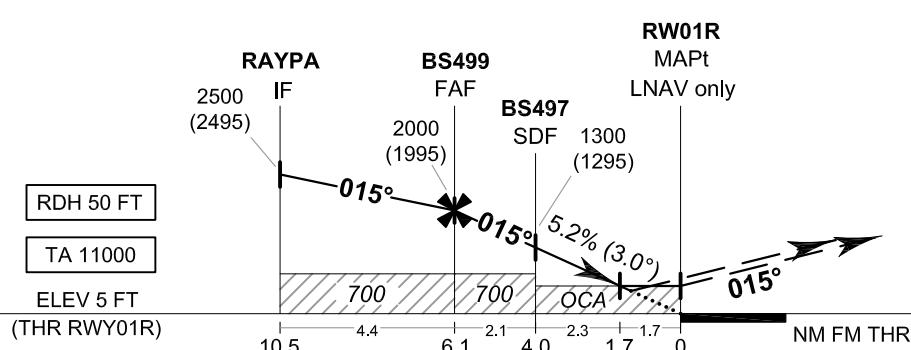
RNAV (GNSS) RWY01R



**MISSED APPROACH:**  
No turn before MAPt.  
Speed restricted to  
**MAX IAS 210 KT** until after turn.

Climb to 1500 FT on track 015°, then climbing right turn direct to RENEX at 3000 FT and hold or as directed by ATC.

(If unable to reach 3000 FT at RENEX, continue climb in the holding pattern.)



OCA/H	A	B	C	D	NM to NEXT WPT	FAF	6 NM	5 NM	4 NM	3 NM	2 NM	1.7 NM
LNAV / VNAV		540 (535)			Altitude (Height)	2000 (1995)	1950 (1945)	1635 (1630)	1320 (1315)	1005 (1000)	690 (685)	600 (595)
LNAV		600 (595)			Ground speed	knot	70	90	100	120	140	160
Circling (OCH AAL)	800 (795)	900 (895)			Rate of descent FAD-MAPt	ft/min	369	474	527	632	737	843

INSTRUMENT  
APPROACH  
CHART - ICAO

AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY01R - ELEV 5 FT

BANGKOK / Suvarnabhumi Intl (VTBS)  
RNAV (GNSS) RWY01R

#### TABULAR DESCRIPTION

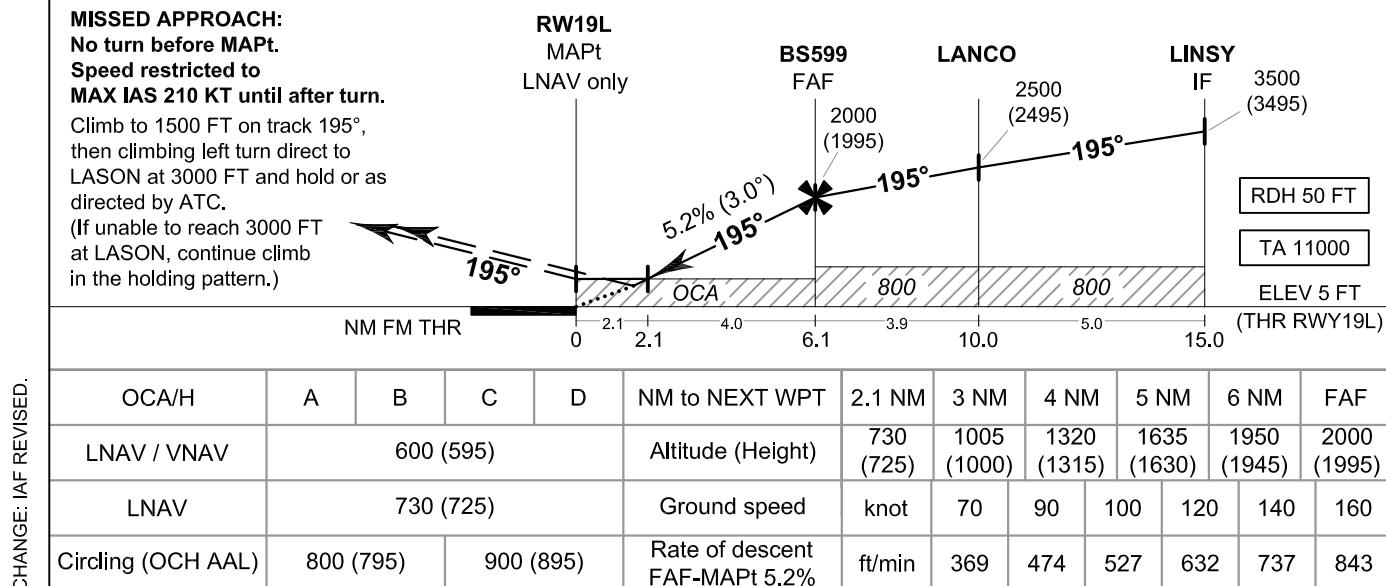
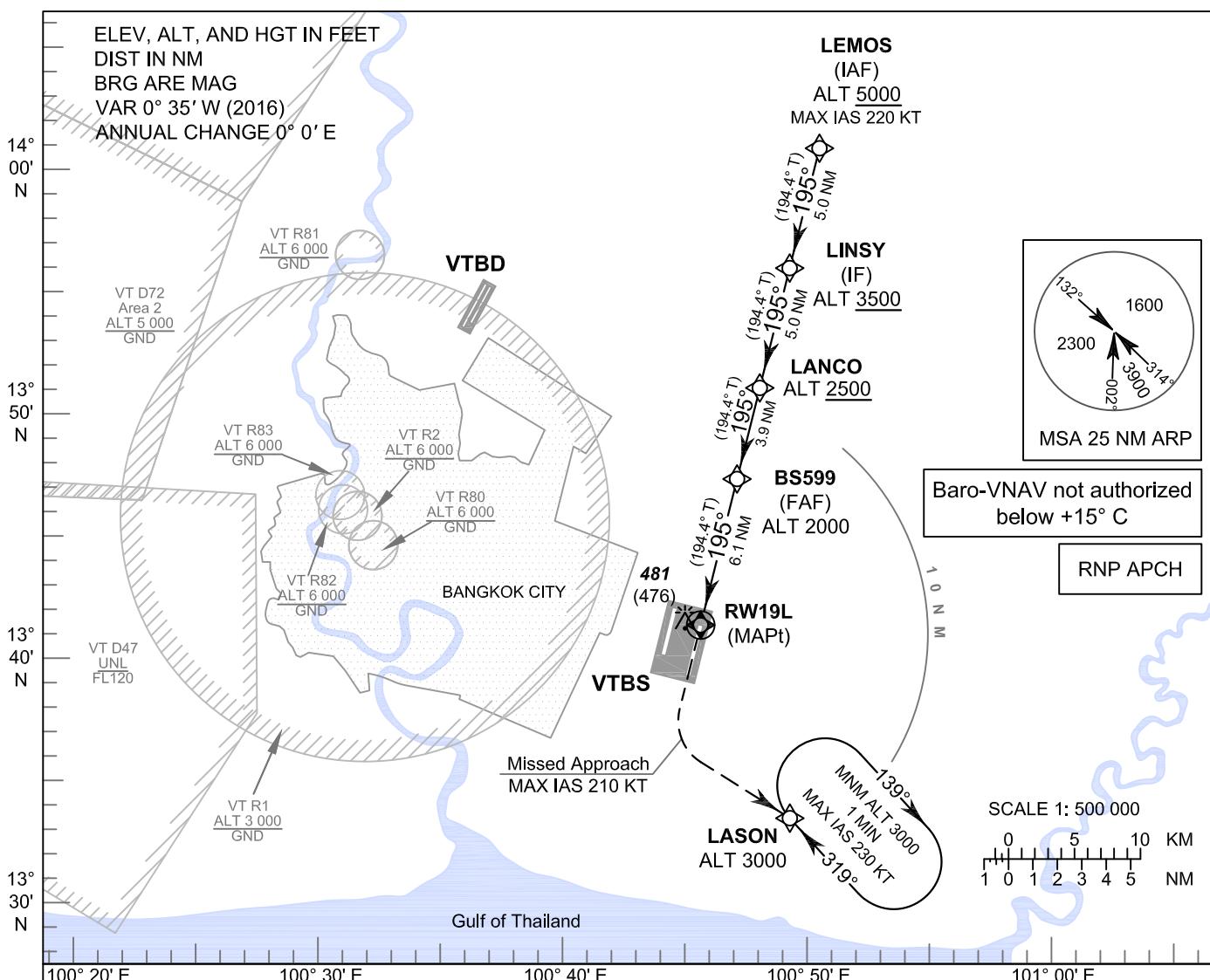
RNAV (GNSS) RWY01R											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
010	IF	RISSE (IAF)	-	-	+0.58	-	-	+3000	-220	-	RNP APCH
020	TF	RAYPA (IF)	-	015°(014.4°)	+0.58	5.0	-	+2500	-	-	RNP APCH
030	TF	BS499 (FAF)	-	015°(014.4°)	+0.58	4.4	-	@2000	-	-	RNP APCH
040	TF	BS497 (SDF)	-	015°(014.4°)	+0.58	2.1	-	@1300	-	-	RNP APCH
050	TF	RW01R (MAPt)	Y	015°(014.4°)	+0.58	4.0	-	@55	-	-3.0/50	RNP APCH
060	CA	-	-	015°(014.4°)	+0.58	-	-	+1500	-210	-	RNP APCH
070	DF	RENEX	-	-	+0.58	-	R	-	-210	-	RNP APCH
080	HM	RENEX	Y	210°(209.3°)	+0.58	1 minute	L	+3000	-230	-	RNP APCH

#### WAYPOINT LIST

RNAV (GNSS) RWY01R			
Waypoint Identifier	Coordinates		Pronunciation
RISSE	13° 24' 18.49" N 100° 41' 08.88" E		RIS - SAY
RAYPA	13° 29' 10.33" N 100° 42' 25.43" E		RAY - PAH
BS499	13° 33' 28.06" N 100° 43' 33.12" E		-
BS497	13° 35' 33.14" N 100° 44' 05.91" E		-
RW01R	13° 39' 24.11" N 100° 45' 06.59" E		-
RENEX	13° 51' 48.03" N 100° 50' 55.97" E		RAY - NEKS

INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19L - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
TWR	: 126.3
	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)  
RNAV (GNSS) RWY19L

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19L - ELEV 5 FT**

**BANGKOK / Suvarnabhumi Intl (VTBS)  
RNAV (GNSS) RWY19L**

#### TABULAR DESCRIPTION

##### RNAV (GNSS) RWY19L

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
010	IF	LEMOS (IAF)	-	-	+0.58	-	-	+5000	-220	-	RNP APCH
020	TF	LINSY (IF)	-	195°(194.4°)	+0.58	5.0	-	+3500	-	-	RNP APCH
030	TF	LANCO	-	195°(194.4°)	+0.58	5.0	-	+2500	-	-	RNP APCH
040	TF	BS599 (FAF)	-	195°(194.4°)	+0.58	3.9	-	@2000	-	-	RNP APCH
050	TF	RW19L (MAPt)	Y	195°(194.4°)	+0.58	6.1	-	@55	-	-3.0/50	RNP APCH
060	CA	-	-	195°(194.4°)	+0.58	-	-	+1500	-210	-	RNP APCH
070	DF	LASON	-	-	+0.58	-	L	-	-210	-	RNP APCH
080	HM	LASON	Y	319°(318.3°)	+0.58	1 minute	R	+3000	-230	-	RNP APCH

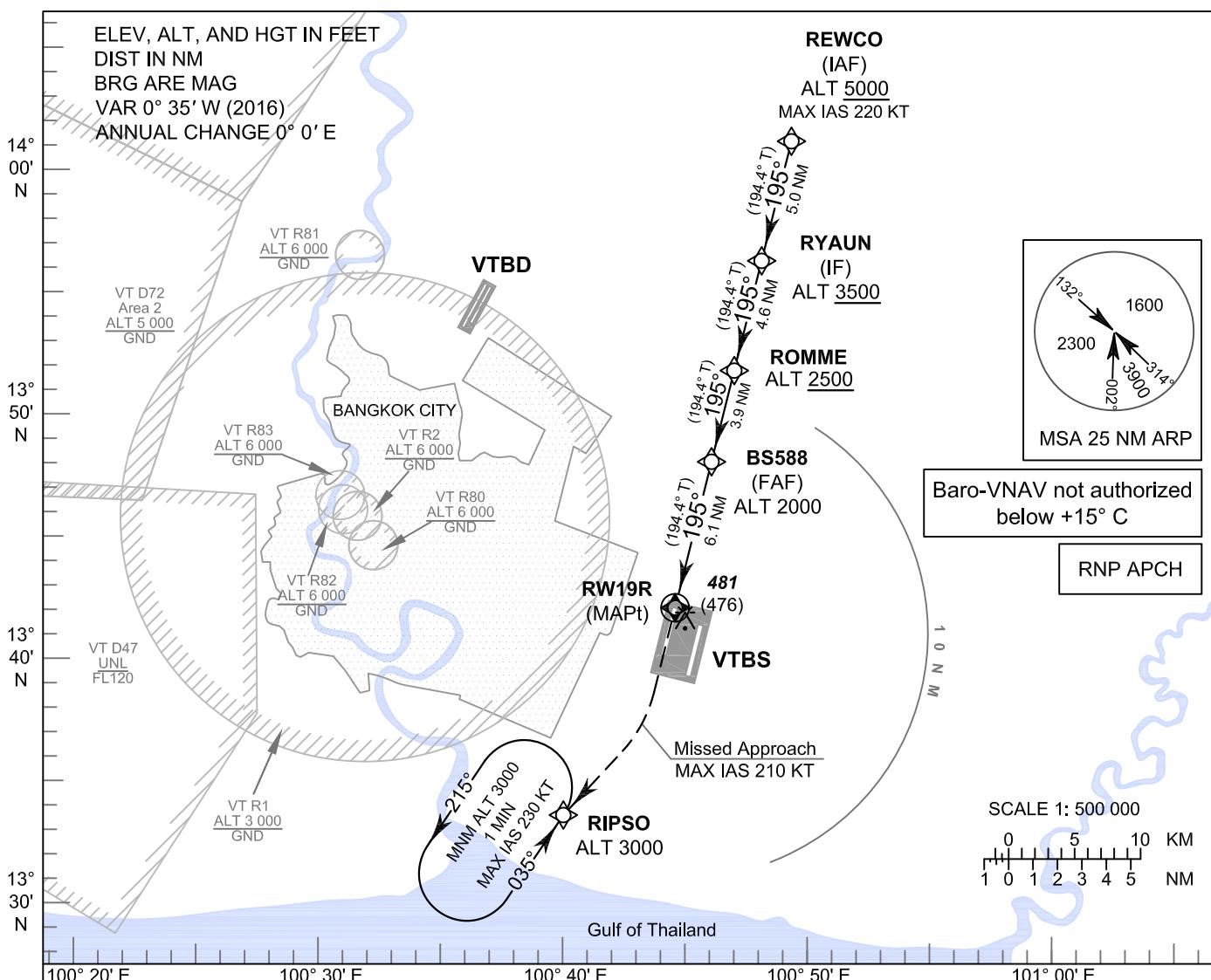
#### WAYPOINT LIST

##### RNAV (GNSS) RWY19L

Waypoint Identifier	Coordinates	Pronunciation
LEMOS	14° 01' 03.35" N 100° 50' 48.54" E	LAY - MOSS
LINSY	13° 56' 08.45" N 100° 49' 30.83" E	LINN - SEE
LANCO	13° 51' 13.81" N 100° 48' 13.24" E	LAN - COH
BS599	13° 47' 26.20" N 100° 47' 13.33" E	-
RW19L	13° 41' 30.17" N 100° 45' 39.72" E	-
LASON	13° 33' 32.40" N 100° 49' 20.92" E	LAH - SON

INSTRUMENT  
APPROACH  
CHART - ICAOAERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19R - ELEV 5 FT

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
	: 126.3
TWR	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK / Suvarnabhumi Intl (VTBS)  
RNAV (GNSS) RWY19R

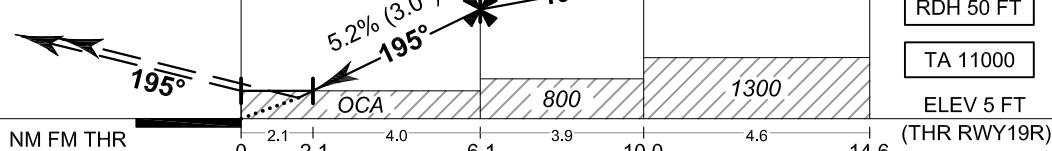
**MISSED APPROACH:**  
No turn before MAPt.  
Speed restricted to  
**MAX IAS 210 KT** until after turn.  
Climb to 1500 FT on track 195°, then climbing right turn direct to RIPSO at 3000 FT and hold or as directed by ATC.  
(If unable to reach 3000 FT at RIPSO, continue climb in the holding pattern.)

**RW19R**  
MAPt  
LNAV only

**BS588**  
FAF  
2000 (1995)

**ROMME**

**RYAUN**  
IF 3500 (3495)



OCA/H	A	B	C	D	NM to NEXT WPT	2.1 NM	3 NM	4 NM	5 NM	6 NM	FAF
LNAV / VNAV		600 (595)			Altitude (Height)	730 (725)	1005 (1000)	1320 (1315)	1635 (1630)	1950 (1945)	2000 (1995)
LNAV		730 (725)			Ground speed	knot	70	90	100	120	140
Circling (OCH AAL)	800 (795)	900 (895)			Rate of descent FAF-MAPt 5.2%	ft/min	369	474	527	632	737

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 5 FT  
HEIGHTS RELATED TO  
THR RWY19R - ELEV 5 FT**

**BANGKOK / Suvarnabhumi Intl (VTBS)**

**RNAV (GNSS) RWY19R**

#### TABULAR DESCRIPTION

<b>RNAV (GNSS) RWY19R</b>											
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>
010	IF	REWCO (IAF)	-	-	+0.58	-	-	+5000	-220	-	RNP APCH
020	TF	RYAUN (IF)	-	195°(194.4°)	+0.58	5.0	-	+3500	-	-	RNP APCH
030	TF	ROMME	-	195°(194.4°)	+0.58	4.6	-	+2500	-	-	RNP APCH
040	TF	BS588 (FAF)	-	195°(194.4°)	+0.58	3.9	-	@2000	-	-	RNP APCH
050	TF	RW19R (MAPt)	Y	195°(194.4°)	+0.58	6.1	-	@55	-	-3.0/50	RNP APCH
060	CA	-	-	195°(194.4°)	+0.58	-	-	+1500	-210	-	RNP APCH
070	DF	RIPSO	-	-	+0.58	-	R	-	-210	-	RNP APCH
080	HM	RIPSO	Y	035°(034.3°)	+0.58	1 minute	L	+3000	-230	-	RNP APCH

#### WAYPOINT LIST

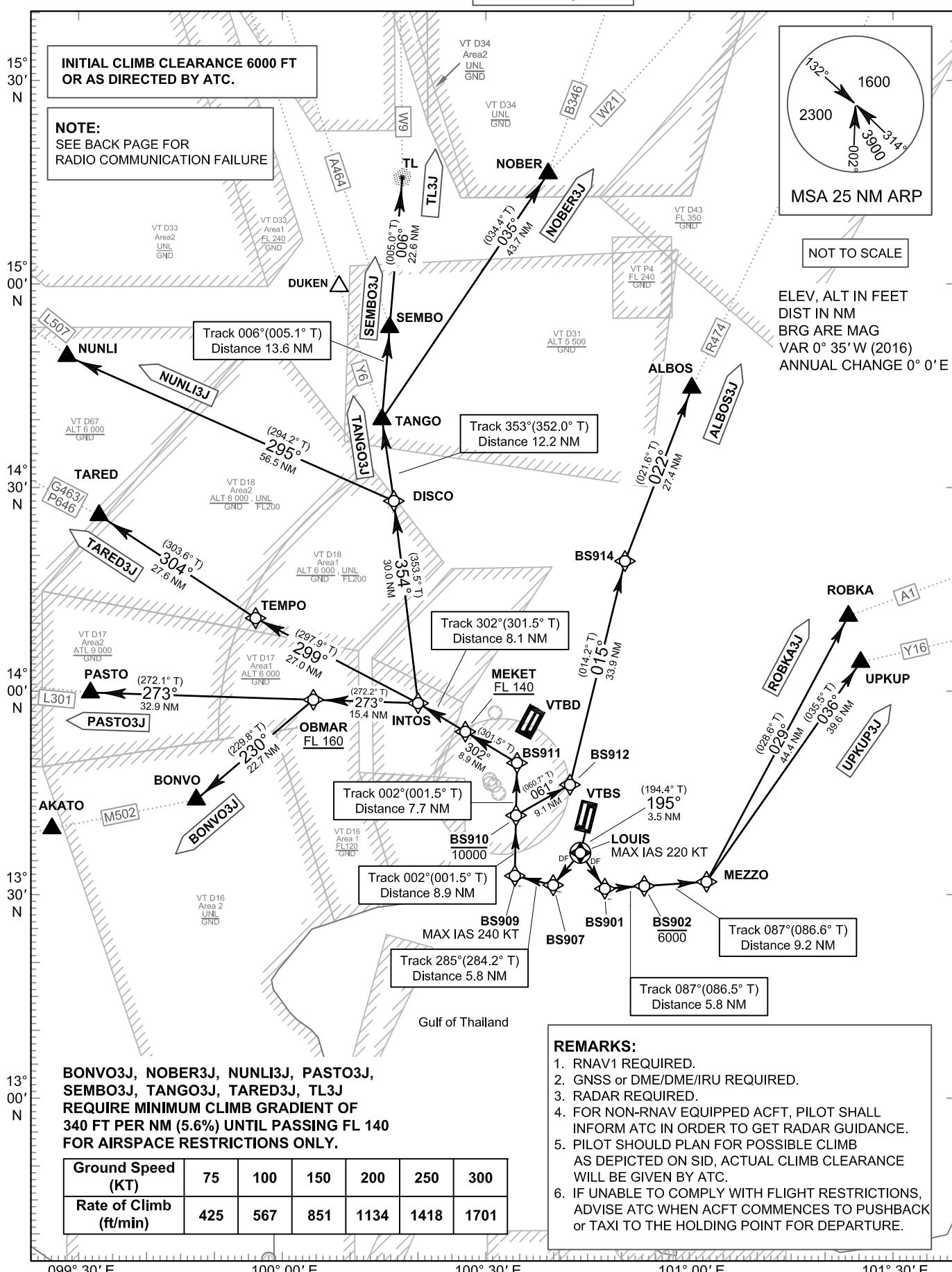
<b>RNAV (GNSS) RWY19R</b>		
<b>Waypoint Identifier</b>	<b>Coordinates</b>	<b>Pronunciation</b>
REWCO	14° 01' 21.29" N 100° 49' 37.68" E	REW - COH
RYAUN	13° 56' 26.99" N 100° 48' 20.12" E	RAI - AAN
ROMME	13° 51' 56.84" N 100° 47' 08.98" E	ROM - MEE
BS588	13° 48' 09.23" N 100° 46' 09.07" E	-
RW19R	13° 42' 13.21" N 100° 44' 35.44" E	-
RIPSO	13° 33' 44.05" N 100° 39' 50.12" E	RIP - SO

## **STANDARD DEPARTURE CHART- INSTRUMENT (SID) - ICAO**

**TRANSITION ALTITUDE**  
11000 FT

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L**

ALBOS3J BONVO3J  
NOBER3J NUNLI3J PASTO3J  
OBKA3J SEMBO3J TANGO3J  
TARED3J TL3J UPKUP3J



## CHANGE: NEW PROCEDURES.

Ground Speed (KT)	75	100	150	200	250	300
Rate of Climb (ft/min)	425	567	851	1134	1418	1701

**REMARKS:**

- REMARKS:**

  1. RNAV1 REQUIRED.
  2. GNSS or DME/DME/IRU REQUIRED.
  3. RADAR 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.

ALBOS3J BONVO3J  
NOBER3J NUNLI3J PASTO3J  
ROBKA3J SEMBO3J TANGO3J  
TARED3J TL3J UPKUP3J

#### RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	COMPLY WITH THE LAST ACKNOWLEDGED CLEARANCE <b>UP TO THE NEXT REPORTING POINT IN THE SID, THEN CLIMB TO THE FLIGHT PLANNED CRUISING LEVEL</b> 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 <b>TWO MINUTES</b> , 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 <b>TWO MINUTES</b> , 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 VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

#### WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
DER RWY19L	-	MEKET	MEH - KET
ALBOS	AL - BOSS	MEZZO	MES - ZOH
BONVO	BONG - VOH	NOBER	NO - BER
BS901	-	NUNLI	NUN - LEE
BS902	-	OBMAR	OB - MAR
BS907	-	PASTO	PAS - TOW
BS909	-	ROBKA	ROB - KAH
BS910	-	SEMBO	SEM - BO
BS911	-	TANGO	TANG - GO
BS912	-	TARED	TAH - RED
BS914	-	TEMPO	TEM - POH
DISCO	DIS - KOH	TL	TA - KLEE
INTOS	IN - TOSS	UPKUP	UP - CUP
LOUIS	LOO - ISS		

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L**

ALBOS3J BONVO3J  
NOBER3J NUNLI3J PASTO3J  
ROBKA3J SEMBO3J TANGO3J  
TARED3J TL3J UPKUP3J

**TABULAR DESCRIPTION (1)**

<b>RNAV RWY19L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>ALBOS3J TO R474</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	R	-10000	-	-	-	RNAV 1
060	TF	BS912	-	061°(060.7°)	+0.58	9.1	L	-	-	-	-	RNAV 1
070	TF	BS914	-	015°(014.2°)	+0.58	33.9	R	-	-	-	-	RNAV 1
080	TF	ALBOS	-	022°(021.6°)	+0.58	27.4	-	-	-	-	-	RNAV 1
<b>BONVO3J TO M502</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	L	-	-	-	-	RNAV 1
090	TF	OBMAR	-	273°(272.2°)	+0.58	15.4	L	+FL160	-	-	-	RNAV 1
100	TF	BONVO	-	230°(229.8°)	+0.58	22.7	-	-	-	-	-	RNAV 1
<b>NOBER3J TO B346, W21</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
110	TF	NOBER	-	035°(034.4°)	+0.58	43.7	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L**

ALBOS3J BONVO3J  
NOBER3J NUNLI3J PASTO3J  
ROBKA3J SEMBO3J TANGO3J  
TARED3J TL3J UPKUP3J

**TABULAR DESCRIPTION (2)**

<b>RNAV RWY19L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>NUNLI3J TO L507</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	NUNLI	-	295°(294.2°)	+0.58	56.5	-	-	-	-	-	RNAV 1
<b>PASTO3J TO L301</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	L	-	-	-	-	RNAV 1
090	TF	OBMAR	-	273°(272.2°)	+0.58	15.4	-	+FL160	-	-	-	RNAV 1
100	TF	PASTO	-	273°(272.1°)	+0.58	32.9	-	-	-	-	-	RNAV 1
<b>ROBKA3J TO A1</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	L	-	-	-	-	RNAV 1
060	TF	ROBKA	-	029°(028.6°)	+0.58	44.4	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L**

ALBOS3J BONVO3J  
NOBER3J NUNLI3J PASTO3J  
ROBKA3J SEMBO3J TANGO3J  
TARED3J TL3J UPKUP3J

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY19L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>SEMBO3J TO A464</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
110	TF	SEMBO	-	006°(005.1°)	+0.58	13.6	-	-	-	-	-	RNAV 1
<b>TANGO3J TO Y6</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	TANGO	-	353°(352.0°)	+0.58	12.2	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L**

ALBOS3J BONVO3J  
NOBER3J NUNLI3J PASTO3J  
ROBKA3J SEMBO3J TANGO3J  
TARED3J TL3J UPKUP3J

**TABULAR DESCRIPTION (4)**

<b>RNAV RWY19L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>TARED3J TO G463/P646</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	L	-	-	-	-	RNAV 1
090	TF	TEMPO	-	299°(297.9°)	+0.58	27.0	R	-	-	-	-	RNAV 1
100	TF	TARED	-	304°(303.6°)	+0.58	27.6	-	-	-	-	-	RNAV 1
<b>TL3J TO W9</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
110	TF	SEMBO	-	006°(005.1°)	+0.58	13.6	-	-	-	-	-	RNAV 1
120	TF	TL	-	006°(005.0°)	+0.58	22.6	-	-	-	-	-	RNAV 1
<b>UPKUP3J TO Y16</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	L	-	-	-	-	RNAV 1
060	TF	UPKUP	-	036°(035.5°)	+0.58	39.6	-	-	-	-	-	RNAV 1

ALBOS3J BONVO3J  
NOBER3J NUNLI3J PASTO3J  
ROBKA3J SEMBO3J TANGO3J  
TARED3J TL3J UPKUP3J

**WAYPOINT LIST**

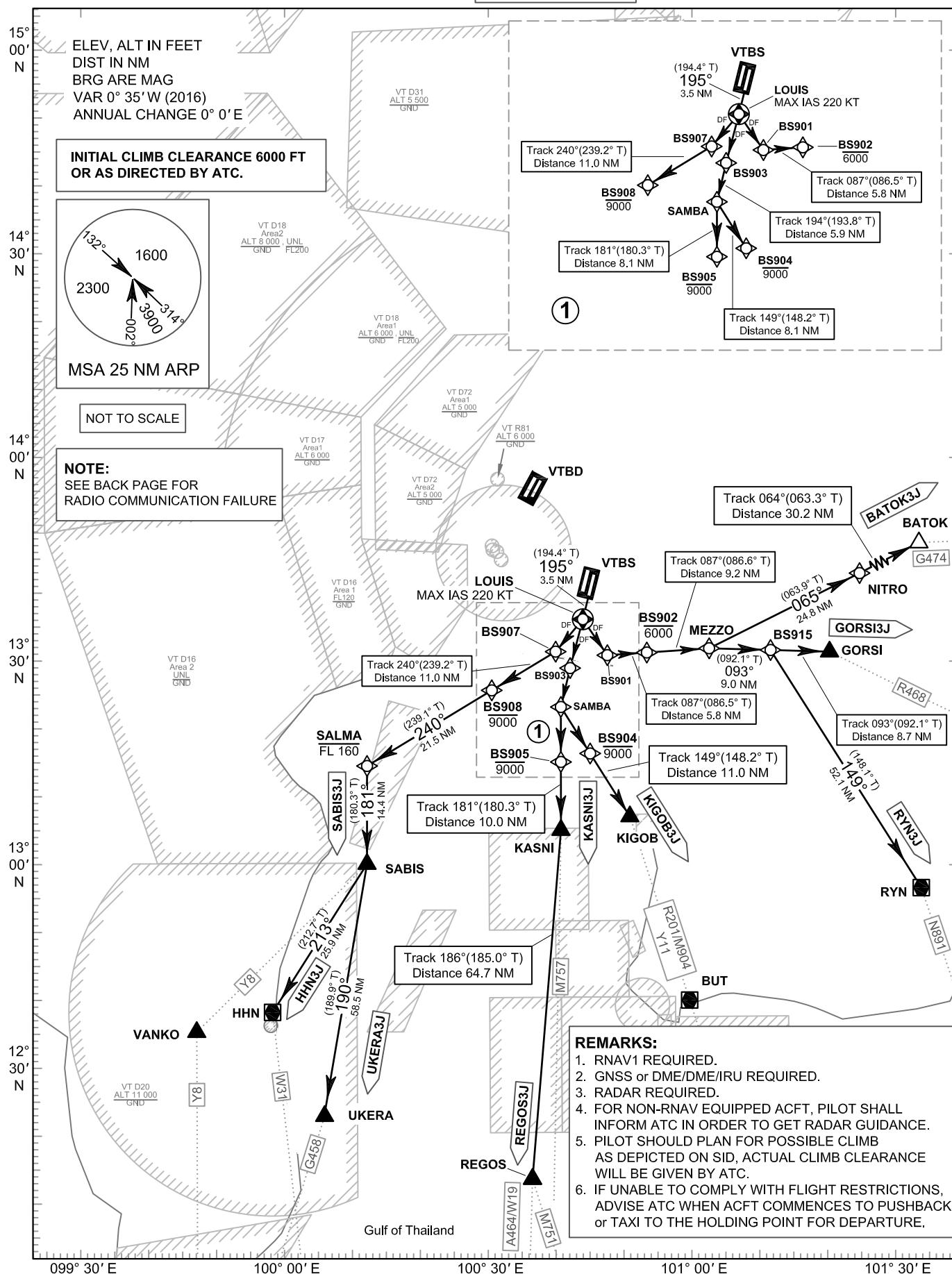
<b>RNAV RWY19L</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
DER RWY19L	13° 39' 24.11" N 100° 45' 06.59" E
ALBOS	14° 44' 41.70" N 101° 01' 41.90" E
BONVO	13° 44' 10.47" N 099° 46' 06.72" E
BS901	13° 30' 39.63" N 100° 47' 52.93" E
BS902	13° 31' 00.74" N 100° 53' 51.07" E
BS907	13° 31' 14.42" N 100° 40' 03.93" E
BS909	13° 32' 40.09" N 100° 34' 16.99" E
BS910	13° 41' 36.08" N 100° 34' 31.08" E
BS911	13° 49' 22.54" N 100° 34' 43.38" E
BS912	13° 46' 05.33" N 100° 42' 42.85" E
BS914	14° 19' 08.00" N 100° 51' 18.42" E
DISCO	14° 28' 15.59" N 100° 16' 17.24" E
INTOS	13° 58' 18.55" N 100° 19' 47.12" E
LOUIS	13° 35' 59.82" N 100° 44' 12.92" E
MEKET	13° 54' 02.87" N 100° 26' 54.95" E
MEZZO	13° 31' 33.78" N 101° 03' 16.41" E
NOBER	15° 16' 35.60" N 100° 40' 06.00" E
NUNLI	14° 51' 27.45" N 099° 23' 03.60" E
OBMAR	13° 58' 53.52" N 100° 03' 54.64" E
PASTO	14° 00' 04.50" N 099° 30' 06.94" E
ROBKA	14° 10' 42.95" N 101° 25' 07.95" E
SEMBO	14° 53' 59.16" N 100° 15' 47.92" E
TANGO	14° 40' 22.25" N 100° 14' 32.54" E
TARED	14° 26' 19.52" N 099° 31' 28.87" E
TEMPO	14° 11' 00.89" N 099° 55' 11.97" E
TL	15° 16' 33.45" N 100° 17' 51.11" E
UPKUP	14° 03' 52.65" N 101° 26' 54.84" E

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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  
: 120.3, 262.5  
: 121.7, 262.5  
: 122.35, 262.5  
: 124.35, 262.5  
: 125.2, 262.5  
ARR : 121.1  
: 126.3  
TWR : 118.2, 274.5  
: 119.0  
ATIS : 133.6, 278.6

BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19LBATOK3J GORSI3J HHN3J  
KASNI3J KIGOB3J REGOS3J  
RYN3J SABIS3J UKERA3J

STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO

BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L

BATOK3J GORSI3J HHN3J  
KASNI3J KIGOB3J REGOS3J  
RYN3J SABIS3J UKERA3J

RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	COMPLY WITH THE LAST ACKNOWLEDGED CLEARANCE <b>UP TO THE NEXT REPORTING POINT IN THE SID, THEN CLIMB TO THE FLIGHT PLANNED CRUISING LEVEL</b> 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 <b>TWO MINUTES</b> , 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 <b>TWO MINUTES</b> , 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 VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
DER RWY19L	-	KASNI	KAS - NEE
BATOK	BAH - TOK	KIGOB	KEE - GOB
BS901	-	LOUIS	LOO - ISS
BS902	-	MEZZO	MES - ZOH
BS903	-	NITRO	NAI - TRO
BS904	-	REGOS	REE - GOSS
BS905	-	RYN	RA - YONG
BS907	-	SABIS	SAH - BISS
BS908	-	SALMA	SAL - MAH
BS915	-	SAMBA	SAM - BAH
GORSI	GOR - SEE	UKERA	U - KEY - RAH
HHN	HUA - HIN		

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L**

BATOK3J GORSI3J HHN3J  
KASNI3J KIGOB3J REGOS3J  
RYN3J SABIS3J UKERA3J

**TABULAR DESCRIPTION (1)**

<b>RNAV RWY19L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>BATOK3J TO G474</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	L	-	-	-	-	RNAV 1
060	TF	NITRO	-	065°(063.9°)	+0.58	24.8	L	-	-	-	-	RNAV 1
070	TF	BATOK	-	064°(063.3°)	+0.58	30.2	-	-	-	-	-	RNAV 1
<b>GORSI3J TO R468</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	R	-	-	-	-	RNAV 1
060	TF	BS915	-	093°(092.1°)	+0.58	9.0	-	-	-	-	-	RNAV 1
070	TF	GORSI	-	093°(092.1°)	+0.58	8.7	-	-	-	-	-	RNAV 1
<b>HHN3J TO W31</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS908	-	240°(239.2°)	+0.58	11.0	-	-9000	-	-	-	RNAV 1
050	TF	SALMA	-	240°(239.1°)	+0.58	21.5	L	-FL160	-	-	-	RNAV 1
060	TF	SABIS	-	181°(180.3°)	+0.58	14.4	R	-	-	-	-	RNAV 1
070	TF	HHN	-	213°(212.7°)	+0.58	25.9	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L**

BATOK3J GORSI3J HHN3J  
KASNI3J KIGOB3J REGOS3J  
RYN3J SABIS3J UKERA3J

**TABULAR DESCRIPTION (2)**

<b>RNAV RWY19L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>KASNI3J TO M757</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	-	-	-220	-	-	RNAV 1
030	DF	BS903	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	SAMBA	-	194°(193.8°)	+0.58	5.9	L	-	-	-	-	RNAV 1
050	TF	BS905	-	181°(180.3°)	+0.58	8.1	-	-9000	-	-	-	RNAV 1
060	TF	KASNI	-	181°(180.3°)	+0.58	10.0	-	-	-	-	-	RNAV 1
<b>KIGOB3J TO R201/M904/Y11</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	-	-	-220	-	-	RNAV 1
030	DF	BS903	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	SAMBA	-	194°(193.8°)	+0.58	5.9	L	-	-	-	-	RNAV 1
050	TF	BS904	-	149°(148.2°)	+0.58	8.1	-	-9000	-	-	-	RNAV 1
060	TF	KIGOB	-	149°(148.2°)	+0.58	11.0	-	-	-	-	-	RNAV 1
<b>REGOS3J TO A464/W19, M751</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	-	-	-220	-	-	RNAV 1
030	DF	BS903	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	SAMBA	-	194°(193.8°)	+0.58	5.9	L	-	-	-	-	RNAV 1
050	TF	BS905	-	181°(180.3°)	+0.58	8.1	-	-9000	-	-	-	RNAV 1
060	TF	KASNI	-	181°(180.3°)	+0.58	10.0	R	-	-	-	-	RNAV 1
070	TF	REGOS	-	186°(185.0°)	+0.58	64.7	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L**

BATOK3J GORSI3J HHN3J  
KASNI3J KIGOB3J REGOS3J  
RYN3J SABIS3J UKERA3J

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY19L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>RYN3J TO N891</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	R	-	-	-	-	RNAV 1
060	TF	BS915	-	093°(092.1°)	+0.58	9.0	R	-	-	-	-	RNAV 1
070	TF	RYN	-	149°(148.1°)	+0.58	52.1	-	-	-	-	-	RNAV 1
<b>SABIS3J TO Y8</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS908	-	240°(239.2°)	+0.58	11.0	-	-9000	-	-	-	RNAV 1
050	TF	SALMA	-	240°(239.1°)	+0.58	21.5	L	-FL160	-	-	-	RNAV 1
060	TF	SABIS	-	181°(180.3°)	+0.58	14.4	-	-	-	-	-	RNAV 1
<b>UKERA3J TO G458</b>												
010	-	DER RWY19L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	LOUIS	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS908	-	240°(239.2°)	+0.58	11.0	-	-9000	-	-	-	RNAV 1
050	TF	SALMA	-	240°(239.1°)	+0.58	21.5	L	-FL160	-	-	-	RNAV 1
060	TF	SABIS	-	181°(180.3°)	+0.58	14.4	R	-	-	-	-	RNAV 1
070	TF	UKERA	-	190°(189.9°)	+0.58	58.5	-	-	-	-	-	RNAV 1

BATOK3J GORSI3J HHN3J  
KASNI3J KIGOB3J REGOS3J  
RYN3J SABIS3J UKERA3J

**WAYPOINT LIST**

<b>RNAV RWY19L</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
DER RWY19L	13° 39' 24.11" N 100° 45' 06.59" E
BATOK	13° 56' 06.00" N 101° 53' 53.60" E
BS901	13° 30' 39.63" N 100° 47' 52.93" E
BS902	13° 31' 00.74" N 100° 53' 51.07" E
BS903	13° 28' 47.51" N 100° 42' 14.54" E
BS904	13° 16' 08.08" N 100° 45' 10.75" E
BS905	13° 14' 54.79" N 100° 40' 45.31" E
BS907	13° 31' 14.42" N 100° 40' 03.93" E
BS908	13° 25' 34.36" N 100° 30' 22.74" E
BS915	13° 31' 13.98" N 101° 12' 33.29" E
GORSI	13° 30' 54.64" N 101° 21' 28.05" E
HHN	12° 38' 04.04" N 099° 57' 04.23" E
KASNI	13° 04' 50.17" N 100° 40' 41.88" E
KIGOB	13° 06' 46.46" N 100° 51' 06.33" E
LOUIS	13° 35' 59.82" N 100° 44' 12.92" E
MEZZO	13° 31' 33.78" N 101° 03' 16.41" E
NITRO	13° 42' 28.69" N 101° 26' 07.28" E
REGOS	12° 00' 06.50" N 100° 34' 54.30" E
RYN	12° 46' 48.30" N 101° 40' 41.70" E
SABIS	12° 59' 58.53" N 100° 11' 24.53" E
SALMA	13° 14' 28.89" N 100° 11' 28.72" E
SAMBA	13° 23' 02.66" N 100° 40' 48.12" E
UKERA	12° 02' 07.25" N 100° 01' 09.59" E

## **STANDARD DEPARTURE CHART- INSTRUMENT (SID) - ICAO**

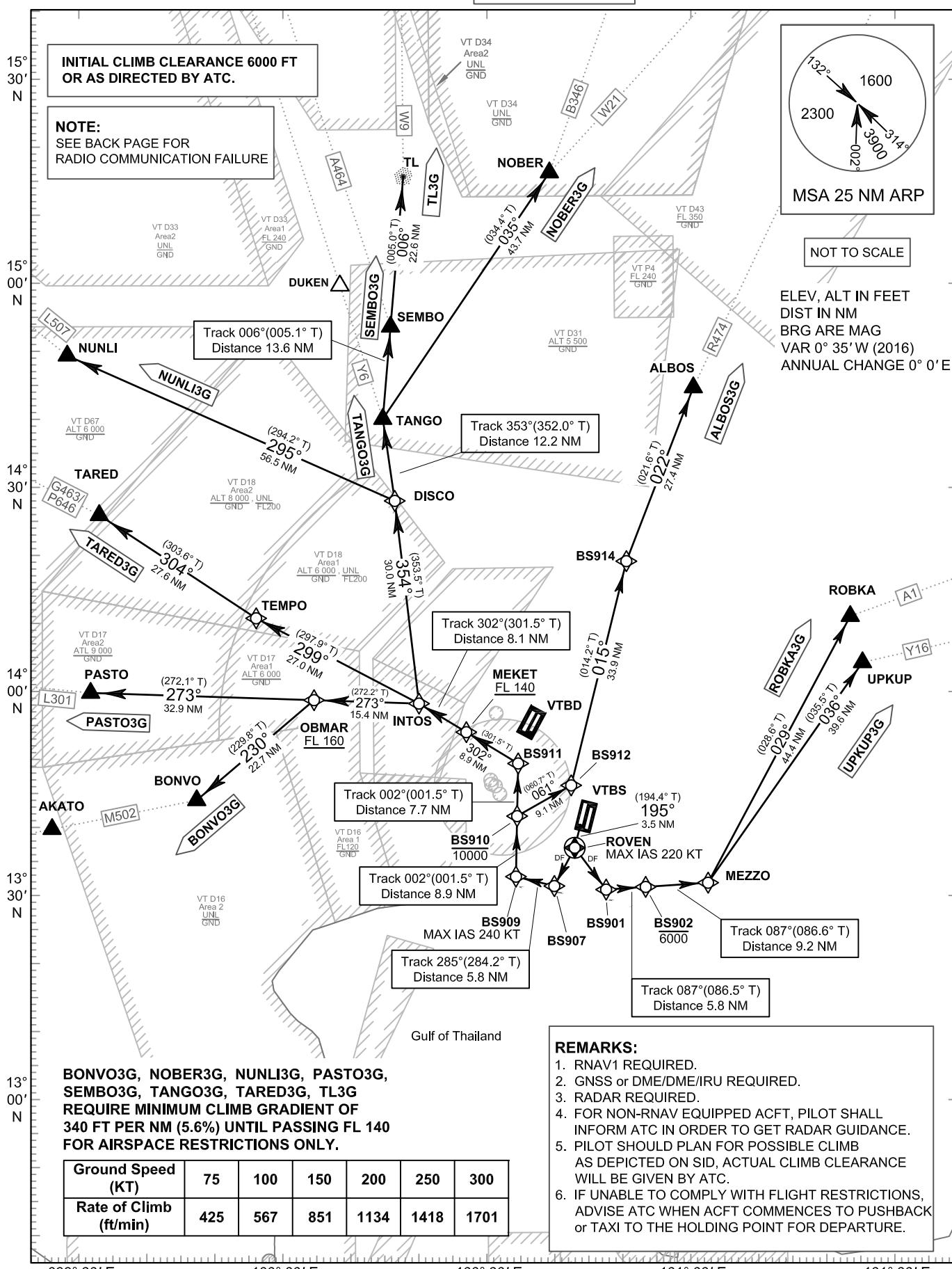
**TRANSITION ALTITUDE  
11000 FT**

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**SPEED RESTRICTION**  
MAX IAS 250 KT AT OR  
BELOW ALT 10000 FT  
UNLESS OTHERWISE  
AUTHORIZED BY ATC.

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R**

ALBUS3G BONVO3G  
NOBER3G NUNLI3G PASTO3G  
ROBKA3G SEMBO3G TANGO3G  
TARED3G TL3G UPKUP3G



## CHANGE: NEW PROCEDURES.

Ground Speed (KT)	75	100	150	200	250	300
Rate of Climb (ft/min)	425	567	851	1134	1418	1701

**REMARKS:**

- REMARKS:**

  1. RNAV1 REQUIRED.
  2. GNSS or DME/DME/IRU REQUIRED.
  3. RADAR 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.

ALBOS3G BONVO3G  
NOBER3G NUNLI3G PASTO3G  
ROBKA3G SEMBO3G TANGO3G  
TARED3G TL3G UPKUP3G

#### RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	COMPLY WITH THE LAST ACKNOWLEDGED CLEARANCE <b>UP TO THE NEXT REPORTING POINT IN THE SID, THEN CLIMB TO THE FLIGHT PLANNED CRUISING LEVEL</b> 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 <b>TWO MINUTES</b> , 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 <b>TWO MINUTES</b> , 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 VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

#### WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
DER RWY19R	-	MEZZO	MES - ZOH
ALBOS	AL - BOSS	NOBER	NO - BER
BONVO	BONG - VOH	NUNLI	NUN - LEE
BS901	-	OBMAR	OB - MAR
BS902	-	PASTO	PAS - TOW
BS907	-	ROBKA	ROB - KAH
BS909	-	ROVEN	ROH - VEN
BS910	-	SEMBO	SEM - BO
BS911	-	TANGO	TANG - GO
BS912	-	TARED	TAH - RED
BS914	-	TEMPO	TEM - POH
DISCO	DIS - KOH	TL	TA - KLEE
INTOS	IN - TOSS	UPKUP	UP - CUP
MEKET	MEH - KET		

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R**

ALBOS3G BONVO3G  
NOBER3G NUNLI3G PASTO3G  
ROBKA3G SEMBO3G TANGO3G  
TARED3G TL3G UPKUP3G

**TABULAR DESCRIPTION (1)**

<b>RNAV RWY19R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>ALBOS3G TO R474</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	R	-10000	-	-	-	RNAV 1
060	TF	BS912	-	061°(060.7°)	+0.58	9.1	L	-	-	-	-	RNAV 1
070	TF	BS914	-	015°(014.2°)	+0.58	33.9	R	-	-	-	-	RNAV 1
080	TF	ALBOS	-	022°(021.6°)	+0.58	27.4	-	-	-	-	-	RNAV 1
<b>BONVO3G TO M502</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	L	-	-	-	-	RNAV 1
090	TF	OBMAR	-	273°(272.2°)	+0.58	15.4	L	+FL160	-	-	-	RNAV 1
100	TF	BONVO	-	230°(229.8°)	+0.58	22.7	-	-	-	-	-	RNAV 1
<b>NOBER3G TO B346, W21</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
110	TF	NOBER	-	035°(034.4°)	+0.58	43.7	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R**

ALBOS3G BONVO3G  
NOBER3G NUNLI3G PASTO3G  
ROBKA3G SEMBO3G TANGO3G  
TARED3G TL3G UPKUP3G

**TABULAR DESCRIPTION (2)**

<b>RNAV RWY19R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>NUNLI3G TO L507</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	NUNLI	-	295°(294.2°)	+0.58	56.5	-	-	-	-	-	RNAV 1
<b>PASTO3G TO L301</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	L	-	-	-	-	RNAV 1
090	TF	OBMAR	-	273°(272.2°)	+0.58	15.4	-	+FL160	-	-	-	RNAV 1
100	TF	PASTO	-	273°(272.1°)	+0.58	32.9	-	-	-	-	-	RNAV 1
<b>ROBKA3G TO A1</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	L	-	-	-	-	RNAV 1
060	TF	ROBKA	-	029°(028.6°)	+0.58	44.4	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R**

ALBOS3G BONVO3G  
NOBER3G NUNLI3G PASTO3G  
ROBKA3G SEMBO3G TANGO3G  
TARED3G TL3G UPKUP3G

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY19R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>SEMBO3G TO A464</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
110	TF	SEMBO	-	006°(005.1°)	+0.58	13.6	-	-	-	-	-	RNAV 1
<b>TANGO3G TO Y6</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	TANGO	-	353°(352.0°)	+0.58	12.2	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R**

ALBOS3G BONVO3G  
NOBER3G NUNLI3G PASTO3G  
ROBKA3G SEMBO3G TANGO3G  
TARED3G TL3G UPKUP3G

**TABULAR DESCRIPTION (4)**

<b>RNAV RWY19R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>TARED3G TO G463/P646</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	L	-	-	-	-	RNAV 1
090	TF	TEMPO	-	299°(297.9°)	+0.58	27.0	R	-	-	-	-	RNAV 1
100	TF	TARED	-	304°(303.6°)	+0.58	27.6	-	-	-	-	-	RNAV 1
<b>TL3G TO W9</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS909	-	285°(284.2°)	+0.58	5.8	R	-	-240	-	-	RNAV 1
050	TF	BS910	-	002°(001.5°)	+0.58	8.9	-	-10000	-	-	-	RNAV 1
060	TF	BS911	-	002°(001.5°)	+0.58	7.7	L	-	-	-	-	RNAV 1
070	TF	MEKET	-	302°(301.5°)	+0.58	8.9	-	+FL140	-	-	-	RNAV 1
080	TF	INTOS	-	302°(301.5°)	+0.58	8.1	R	-	-	-	-	RNAV 1
090	TF	DISCO	-	354°(353.5°)	+0.58	30.0	L	-	-	-	-	RNAV 1
100	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
110	TF	SEMBO	-	006°(005.1°)	+0.58	13.6	-	-	-	-	-	RNAV 1
120	TF	TL	-	006°(005.0°)	+0.58	22.6	-	-	-	-	-	RNAV 1
<b>UPKUP3G TO Y16</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	L	-	-	-	-	RNAV 1
060	TF	UPKUP	-	036°(035.5°)	+0.58	39.6	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R**

ALBOS3G BONVO3G  
NOBER3G NUNLI3G PASTO3G  
ROBKA3G SEMBO3G TANGO3G  
TARED3G TL3G UPKUP3G

**WAYPOINT LIST**

<b>RNAV RWY19R</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
DER RWY19R	13° 40' 16.60" N 100° 44' 04.79" E
ALBOS	14° 44' 41.70" N 101° 01' 41.90" E
BONVO	13° 44' 10.47" N 099° 46' 06.72" E
BS901	13° 30' 39.63" N 100° 47' 52.93" E
BS902	13° 31' 00.74" N 100° 53' 51.07" E
BS907	13° 31' 14.42" N 100° 40' 03.93" E
BS909	13° 32' 40.09" N 100° 34' 16.99" E
BS910	13° 41' 36.08" N 100° 34' 31.08" E
BS911	13° 49' 22.54" N 100° 34' 43.38" E
BS912	13° 46' 05.33" N 100° 42' 42.85" E
BS914	14° 19' 08.00" N 100° 51' 18.42" E
DISCO	14° 28' 15.59" N 100° 16' 17.24" E
INTOS	13° 58' 18.55" N 100° 19' 47.12" E
MEKET	13° 54' 02.87" N 100° 26' 54.95" E
MEZZO	13° 31' 33.78" N 101° 03' 16.41" E
NOBER	15° 16' 35.60" N 100° 40' 06.00" E
NUNLI	14° 51' 27.45" N 099° 23' 03.60" E
OBMAR	13° 58' 53.52" N 100° 03' 54.64" E
PASTO	14° 00' 04.50" N 099° 30' 06.94" E
ROBKA	14° 10' 42.95" N 101° 25' 07.95" E
ROVEN	13° 36' 52.30" N 100° 43' 11.13" E
SEMBO	14° 53' 59.16" N 100° 15' 47.92" E
TANGO	14° 40' 22.25" N 100° 14' 32.54" E
TARED	14° 26' 19.52" N 099° 31' 28.87" E
TEMPO	14° 11' 00.89" N 099° 55' 11.97" E
TL	15° 16' 33.45" N 100° 17' 51.11" E
UPKUP	14° 03' 52.65" N 101° 26' 54.84" E

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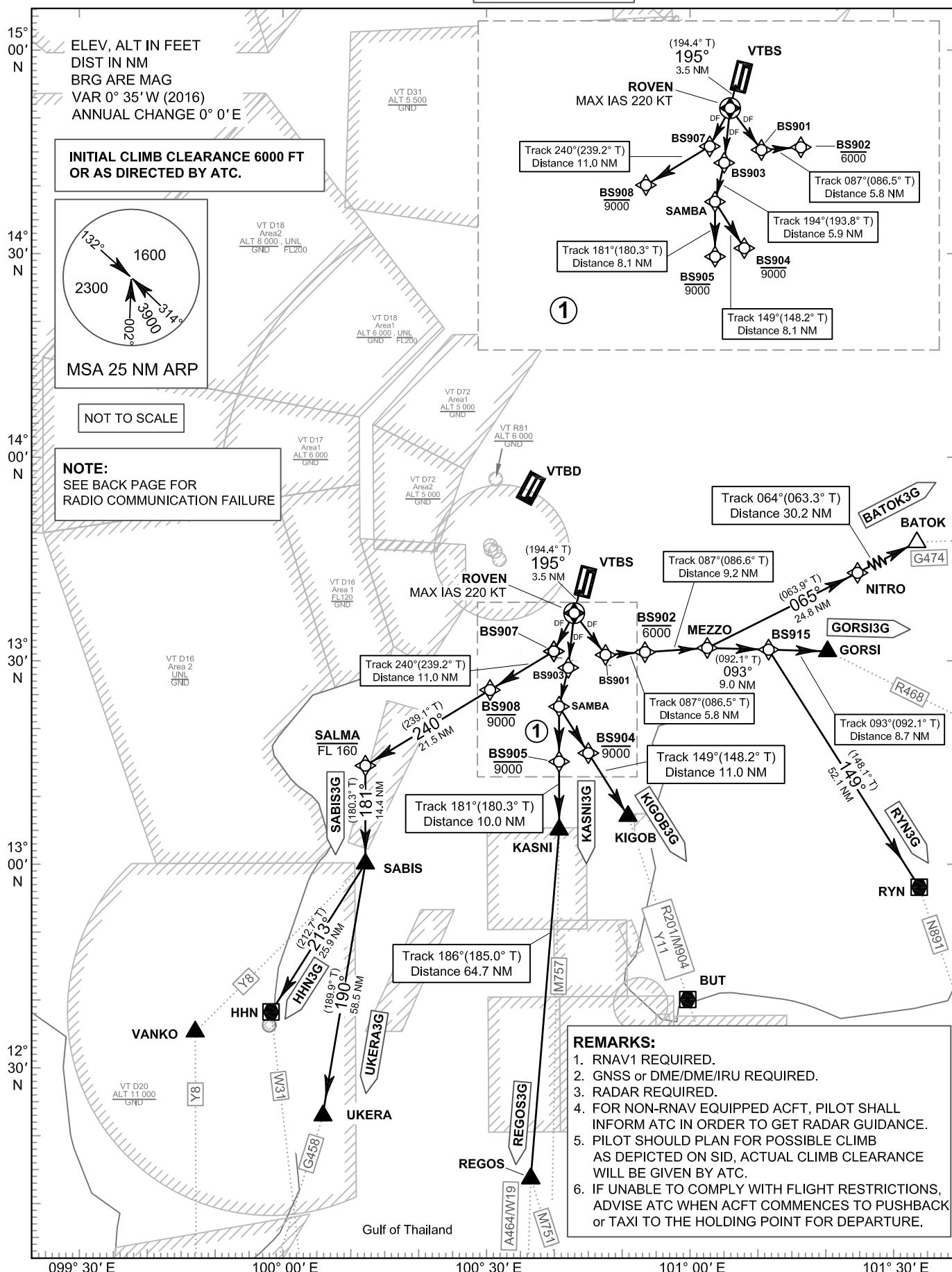
STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO

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  
: 120.3, 262.5  
: 121.1, 262.5  
: 122.35, 262.5  
: 124.35, 262.5  
: 125.2, 262.5  
ARR : 121.1  
: 126.3  
TWR : 118.2, 274.5  
: 119.0  
ATIS : 133.6, 278.6

BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R

BATOK3G GORSI3G HHN3G  
KASNI3G KIGOB3G REGOS3G  
RYN3G SABIS3G UKERA3G



BATOK3G GORSI3G HHN3G  
KASNI3G KIGOB3G REGOS3G  
RYN3G SABIS3G UKERA3G

RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	COMPLY WITH THE LAST ACKNOWLEDGED CLEARANCE <b>UP TO THE NEXT REPORTING POINT IN THE SID, THEN CLIMB TO THE FLIGHT PLANNED CRUISING LEVEL</b> 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 <b>TWO MINUTES</b> , 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 <b>TWO MINUTES</b> , 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 VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
DER RWY19R	-	KASNI	KAS - NEE
BATOK	BAH - TOK	KIGOB	KEE - GOB
BS901	-	MEZZO	MES - ZOH
BS902	-	NITRO	NAI - TRO
BS903	-	REGOS	REE - GOSS
BS904	-	ROVEN	ROH - VEN
BS905	-	RYN	RA - YONG
BS907	-	SABIS	SAH - BISS
BS908	-	SALMA	SAL - MAH
BS915	-	SAMBA	SAM - BAH
GORSI	GOR - SEE	UKERA	U - KEY - RAH
HHN	HUA - HIN		

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R**

BATOK3G GORSI3G HHN3G  
KASNI3G KIGOB3G REGOS3G  
RYN3G SABIS3G UKERA3G

**TABULAR DESCRIPTION (1)**

<b>RNAV RWY19R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>BATOK3G TO G474</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	L	-	-	-	-	RNAV 1
060	TF	NITRO	-	065°(063.9°)	+0.58	24.8	L	-	-	-	-	RNAV 1
070	TF	BATOK	-	064°(063.3°)	+0.58	30.2	-	-	-	-	-	RNAV 1
<b>GORSI3G TO R468</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	R	-	-	-	-	RNAV 1
060	TF	BS915	-	093°(092.1°)	+0.58	9.0	-	-	-	-	-	RNAV 1
070	TF	GORSI	-	093°(092.1°)	+0.58	8.7	-	-	-	-	-	RNAV 1
<b>HHN3G TO W31</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS908	-	240°(239.2°)	+0.58	11.0	-	-9000	-	-	-	RNAV 1
050	TF	SALMA	-	240°(239.1°)	+0.58	21.5	L	-FL160	-	-	-	RNAV 1
060	TF	SABIS	-	181°(180.3°)	+0.58	14.4	R	-	-	-	-	RNAV 1
070	TF	HHN	-	213°(212.7°)	+0.58	25.9	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R**

BATOK3G GORSI3G HHN3G  
KASNI3G KIGOB3G REGOS3G  
RYN3G SABIS3G UKERA3G

**TABULAR DESCRIPTION (2)**

<b>RNAV RWY19R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>KASNI3G TO M757</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS903	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	SAMBA	-	194°(193.8°)	+0.58	5.9	L	-	-	-	-	RNAV 1
050	TF	BS905	-	181°(180.3°)	+0.58	8.1	-	-9000	-	-	-	RNAV 1
060	TF	KASNI	-	181°(180.3°)	+0.58	10.0	-	-	-	-	-	RNAV 1
<b>KIGOB3G TO R201/M904/Y11</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS903	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	SAMBA	-	194°(193.8°)	+0.58	5.9	L	-	-	-	-	RNAV 1
050	TF	BS904	-	149°(148.2°)	+0.58	8.1	-	-9000	-	-	-	RNAV 1
060	TF	KIGOB	-	149°(148.2°)	+0.58	11.0	-	-	-	-	-	RNAV 1
<b>REGOS3G TO A464/W19, M751</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS903	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	SAMBA	-	194°(193.8°)	+0.58	5.9	L	-	-	-	-	RNAV 1
050	TF	BS905	-	181°(180.3°)	+0.58	8.1	-	-9000	-	-	-	RNAV 1
060	TF	KASNI	-	181°(180.3°)	+0.58	10.0	R	-	-	-	-	RNAV 1
070	TF	REGOS	-	186°(185.0°)	+0.58	64.7	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19R**

BATOK3G GORSI3G HHN3G  
KASNI3G KIGOB3G REGOS3G  
RYN3G SABIS3G UKERA3G

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY19R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>RYN3G TO N891</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	L	-	-220	-	-	RNAV 1
030	DF	BS901	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS902	-	087°(086.5°)	+0.58	5.8	-	-6000	-	-	-	RNAV 1
050	TF	MEZZO	-	087°(086.6°)	+0.58	9.2	R	-	-	-	-	RNAV 1
060	TF	BS915	-	093°(092.1°)	+0.58	9.0	R	-	-	-	-	RNAV 1
070	TF	RYN	-	149°(148.1°)	+0.58	52.1	-	-	-	-	-	RNAV 1
<b>SABIS3G TO Y8</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS908	-	240°(239.2°)	+0.58	11.0	-	-9000	-	-	-	RNAV 1
050	TF	SALMA	-	240°(239.1°)	+0.58	21.5	L	-FL160	-	-	-	RNAV 1
060	TF	SABIS	-	181°(180.3°)	+0.58	14.4	-	-	-	-	-	RNAV 1
<b>UKERA3G TO G458</b>												
010	-	DER RWY19R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	ROVEN	Y	195°(194.4°)	+0.58	3.5	R	-	-220	-	-	RNAV 1
030	DF	BS907	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS908	-	240°(239.2°)	+0.58	11.0	-	-9000	-	-	-	RNAV 1
050	TF	SALMA	-	240°(239.1°)	+0.58	21.5	L	-FL160	-	-	-	RNAV 1
060	TF	SABIS	-	181°(180.3°)	+0.58	14.4	R	-	-	-	-	RNAV 1
070	TF	UKERA	-	190°(189.9°)	+0.58	58.5	-	-	-	-	-	RNAV 1

BATOK3G GORSI3G HHN3G  
KASNI3G KIGOB3G REGOS3G  
RYN3G SABIS3G UKERA3G

**WAYPOINT LIST**

<b>RNAV RWY19R</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
DER RWY19R	13° 40' 16.60" N 100° 44' 04.79" E
BATOK	13° 56' 06.00" N 101° 53' 53.60" E
BS901	13° 30' 39.63" N 100° 47' 52.93" E
BS902	13° 31' 00.74" N 100° 53' 51.07" E
BS903	13° 28' 47.51" N 100° 42' 14.54" E
BS904	13° 16' 08.08" N 100° 45' 10.75" E
BS905	13° 14' 54.79" N 100° 40' 45.31" E
BS907	13° 31' 14.42" N 100° 40' 03.93" E
BS908	13° 25' 34.36" N 100° 30' 22.74" E
BS915	13° 31' 13.98" N 101° 12' 33.29" E
GORSI	13° 30' 54.64" N 101° 21' 28.05" E
HHN	12° 38' 04.04" N 099° 57' 04.23" E
KASNI	13° 04' 50.17" N 100° 40' 41.88" E
KIGOB	13° 06' 46.46" N 100° 51' 06.33" E
MEZZO	13° 31' 33.78" N 101° 03' 16.41" E
NITRO	13° 42' 28.69" N 101° 26' 07.28" E
REGOS	12° 00' 06.50" N 100° 34' 54.30" E
ROVEN	13° 36' 52.30" N 100° 43' 11.13" E
RYN	12° 46' 48.30" N 101° 40' 41.70" E
SABIS	12° 59' 58.53" N 100° 11' 24.53" E
SALMA	13° 14' 28.89" N 100° 11' 28.72" E
SAMBA	13° 23' 02.66" N 100° 40' 48.12" E
UKERA	12° 02' 07.25" N 100° 01' 09.59" E



ALBOS3H BONVO3H  
NOBER3H NUNLI3H PASTO3H  
ROBKA3H SEMBO3H TANGO3H  
TARED3H TL3H UPKUP3H

#### RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	COMPLY WITH THE LAST ACKNOWLEDGED CLEARANCE <b>UP TO THE NEXT REPORTING POINT IN THE SID, THEN CLIMB TO THE FLIGHT PLANNED CRUISING LEVEL</b> 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 <b>TWO MINUTES</b> , 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 <b>TWO MINUTES</b> , 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 VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

#### WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
DER RWY01L	-	NOBER	NO - BER
ALBOS	AL - BOSS	NUNLI	NUN - LEE
BONVO	BONG - VOH	OBMAR	OB - MAR
BS101	-	PASTO	PAS - TOW
BS104	-	ROBKA	ROB - KAH
BS105	-	SEMBO	SEM - BO
BS106	-	TANGO	TANG - GO
BS107	-	TARED	TAH - RED
BS108	-	TEMPO	TEM - POH
BS117	-	TL	TA - KLEE
BS118	-	UPKUP	UP - CUP
DISCO	DIS - KOH	VARIS	VAH - RISS

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L**

ALBOS3H BONVO3H  
NOBER3H NUNLI3H PASTO3H  
ROBKA3H SEMBO3H TANGO3H  
TARED3H TL3H UPKUP3H

**TABULAR DESCRIPTION (1)**

<b>RNAV RWY01L</b>											
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course °M (°T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>
<b>ALBOS3H TO R474</b>											
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	-	-	-	-	RNAV 1
050	TF	BS106	-	015°(014.3°)	+0.58	9.5	-	+FL160	-	-	RNAV 1
060	TF	ALBOS	-	015°(014.3°)	+0.58	17.7	-	-	-	-	RNAV 1
<b>BONVO3H TO M502</b>											
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	RNAV 1
070	TF	OBMAR	-	244°(243.2°)	+0.58	18.3	L	+FL160	-	-	RNAV 1
080	TF	BONVO	-	230°(229.8°)	+0.58	22.7	-	-	-	-	RNAV 1
<b>NOBER3H TO B346, W21</b>											
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	RNAV 1
070	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	RNAV 1
080	TF	NOBER	-	035°(034.4°)	+0.58	43.7	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L**

ALBOS3H BONVO3H  
NOBER3H NUNLI3H PASTO3H  
ROBKA3H SEMBO3H TANGO3H  
TARED3H TL3H UPKUP3H

**TABULAR DESCRIPTION (2)**

<b>RNAV RWY01L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>NUNLI3H TO L507</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	-	RNAV 1
070	TF	NUNLI	-	295°(294.2°)	+0.58	56.5	-	-	-	-	-	RNAV 1
<b>PASTO3H TO L301</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	-	RNAV 1
070	TF	OBMAR	-	244°(243.2°)	+0.58	18.3	R	+FL160	-	-	-	RNAV 1
080	TF	PASTO	-	273°(272.1°)	+0.58	32.9	-	-	-	-	-	RNAV 1
<b>ROBKA3H TO A1</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	ROBKA	-	049°(048.4°)	+0.58	35.5	-	-	-	-	-	RNAV 1
<b>SEMBO3H TO A464</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	-	RNAV 1
070	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
080	TF	SEMBO	-	006°(005.1°)	+0.58	13.6	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L**

ALBOS3H BONVO3H  
NOBER3H NUNLI3H PASTO3H  
ROBKA3H SEMBO3H TANGO3H  
TARED3H TL3H UPKUP3H

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY01L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>TANGO3H TO Y6</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	-	RNAV 1
070	TF	TANGO	-	353°(352.0°)	+0.58	12.2	-	-	-	-	-	RNAV 1
<b>TARED3H TO G463/P646</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	-	+FL140	-	-	-	RNAV 1
070	TF	TEMPO	-	279°(278.8°)	+0.58	25.1	R	-	-	-	-	RNAV 1
080	TF	TARED	-	304°(303.6°)	+0.58	27.6	-	-	-	-	-	RNAV 1
<b>TL3H TO W9</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	-	RNAV 1
070	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
080	TF	SEMBO	-	006°(005.1°)	+0.58	13.6	-	-	-	-	-	RNAV 1
090	TF	TL	-	006°(005.0°)	+0.58	22.6	-	-	-	-	-	RNAV 1
<b>UPKUP3H TO Y16</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	UPKUP	-	060°(059.3°)	+0.58	32.9	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L**

ALBOS3H BONVO3H  
NOBER3H NUNLI3H PASTO3H  
ROBKA3H SEMBO3H TANGO3H  
TARED3H TL3H UPKUP3H

**WAYPOINT LIST**

<b>RNAV RWY01L</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
DER RWY01L	13° 42' 13.21" N 100° 44' 35.44" E
ALBOS	14° 44' 41.70" N 101° 01' 41.90" E
BONVO	13° 44' 10.47" N 099° 46' 06.72" E
BS101	13° 47' 04.50" N 100° 57' 50.60" E
BS104	13° 56' 50.27" N 100° 49' 11.95" E
BS105	14° 18' 13.51" N 100° 54' 46.31" E
BS106	14° 27' 25.68" N 100° 57' 10.58" E
BS107	14° 22' 18.62" N 100° 39' 09.50" E
BS108	14° 03' 57.63" N 100° 41' 52.58" E
BS117	14° 05' 32.89" N 100° 31' 27.63" E
BS118	14° 07' 10.87" N 100° 20' 41.58" E
DISCO	14° 28' 15.59" N 100° 16' 17.24" E
NOBER	15° 16' 35.60" N 100° 40' 06.00" E
NUNLI	14° 51' 27.45" N 099° 23' 03.60" E
OBMAR	13° 58' 53.52" N 100° 03' 54.64" E
PASTO	14° 00' 04.50" N 099° 30' 06.94" E
ROBKA	14° 10' 42.95" N 101° 25' 07.95" E
SEMBO	14° 53' 59.16" N 100° 15' 47.92" E
TANGO	14° 40' 22.25" N 100° 14' 32.54" E
TARED	14° 26' 19.52" N 099° 31' 28.87" E
TEMPO	14° 11' 00.89" N 099° 55' 11.97" E
TL	15° 16' 33.45" N 100° 17' 51.11" E
UPKUP	14° 03' 52.65" N 101° 26' 54.84" E
VARIS	13° 45' 37.45" N 100° 45' 29.14" E



BATOK3H GORSI3H HHN3H  
KASNI3H KIGOB3H REGOS3H  
RYN3H SABIS3H UKERA3H

### RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	COMPLY WITH THE LAST ACKNOWLEDGED CLEARANCE <b>UP TO THE NEXT REPORTING POINT IN THE SID, THEN CLIMB TO THE FLIGHT PLANNED CRUISING LEVEL</b> 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 <b>TWO MINUTES</b> , 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 <b>TWO MINUTES</b> , 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 VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

### WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
DER RWY01L	-	HHN	HUA - HIN
BATOK	BAH - TOK	KASNI	KAS - NEE
BS101	-	KIGOB	KEE - GOB
BS102	-	POTEP	POH - TEP
BS103	-	REGOS	REE - GOSS
BS104	-	RYN	RA - YONG
BS108	-	SABIS	SAH - BISS
BS117	-	TUPKA	TUP - KAH
BS118	-	UKERA	U - KEY - RAH
GORSI	GOR - SEE	VARIS	VAH - RISS

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L**

BATOK3H GORSI3H HHN3H  
KASNI3H KIGOB3H REGOS3H  
RYN3H SABIS3H UKERA3H

**TABULAR DESCRIPTION (1)**

<b>RNAV RWY01L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>BATOK3H TO G474</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BATOK	-	081°(080.5°)	+0.58	55.3	-	-	-	-	-	RNAV 1
<b>GORSI3H TO R468</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	-	-	-	-	-	RNAV 1
050	TF	GORSI	-	126°(125.0°)	+0.58	18.3	-	-	-	-	-	RNAV 1
<b>HHN3H TO W31</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	-	RNAV 1
070	TF	POTEP	-	212°(211.5°)	+0.58	29.5	L	+FL200	-	-	-	RNAV 1
080	TF	TUPKA	-	164°(163.0°)	+0.58	22.4	R	-	-	-	-	RNAV 1
090	TF	SABIS	-	181°(180.5°)	+0.58	20.3	R	-	-	-	-	RNAV 1
100	TF	HHN	-	213°(212.7°)	+0.58	25.9	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L**

BATOK3H GORSI3H HHN3H  
KASNI3H KIGOB3H REGOS3H  
RYN3H SABIS3H UKERA3H

**TABULAR DESCRIPTION (2)**

<b>RNAV RWY01L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>KASNI3H TO M757</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	R	-	-	-	-	RNAV 1
050	TF	BS103	-	196°(195.3°)	+0.58	23.0	R	-11000	-	-	-	RNAV 1
060	TF	KASNI	-	233°(232.6°)	+0.58	23.5	-	-	-	-	-	RNAV 1
<b>KIGOB3H TO R201/M904/Y11</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	R	-	-	-	-	RNAV 1
050	TF	BS103	-	196°(195.3°)	+0.58	23.0	R	-11000	-	-	-	RNAV 1
060	TF	KIGOB	-	215°(214.5°)	+0.58	15.0	-	-	-	-	-	RNAV 1
<b>REGOS3H TO A464/W19, M751</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	R	-	-	-	-	RNAV 1
050	TF	BS103	-	196°(195.3°)	+0.58	23.0	R	-11000	-	-	-	RNAV 1
060	TF	KASNI	-	233°(232.6°)	+0.58	23.5	L	-	-	-	-	RNAV 1
070	TF	REGOS	-	186°(185.0°)	+0.58	64.7	-	-	-	-	-	RNAV 1
<b>RYN3H TO N891</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	R	-	-	-	-	RNAV 1
050	TF	RYN	-	149°(148.1°)	+0.58	64.1	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L**

BATOK3H GORSI3H HHN3H  
KASNI3H KIGOB3H REGOS3H  
RYN3H SABIS3H UKERA3H

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY01L</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>SABIS3H TO Y8</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	-	RNAV 1
070	TF	POTEP	-	212°(211.5°)	+0.58	29.5	L	+FL200	-	-	-	RNAV 1
080	TF	TUPKA	-	164°(163.0°)	+0.58	22.4	R	-	-	-	-	RNAV 1
090	TF	SABIS	-	181°(180.5°)	+0.58	20.3	-	-	-	-	-	RNAV 1
<b>UKERA3H TO G458</b>												
010	-	DER RWY01L	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	VARIS	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	-	RNAV 1
070	TF	POTEP	-	212°(211.5°)	+0.58	29.5	L	+FL200	-	-	-	RNAV 1
080	TF	TUPKA	-	164°(163.0°)	+0.58	22.4	R	-	-	-	-	RNAV 1
090	TF	SABIS	-	181°(180.5°)	+0.58	20.3	R	-	-	-	-	RNAV 1
100	TF	UKERA	-	190°(189.9°)	+0.58	58.5	-	-	-	-	-	RNAV 1

BATOK3H GORSI3H HHN3H  
KASNI3H KIGOB3H REGOS3H  
RYN3H SABIS3H UKERA3H

## WAYPOINT LIST

RNAV RWY01L	
Waypoint Identifier	Coordinates
DER RWY01L	13° 42' 13.21" N 100° 44' 35.44" E
BATOK	13° 56' 06.00" N 101° 53' 53.60" E
BS101	13° 47' 04.50" N 100° 57' 50.60" E
BS102	13° 41' 28.08" N 101° 06' 02.84" E
BS103	13° 19' 09.98" N 100° 59' 48.37" E
BS104	13° 56' 50.27" N 100° 49' 11.95" E
BS108	14° 03' 57.63" N 100° 41' 52.58" E
BS117	14° 05' 32.89" N 100° 31' 27.63" E
BS118	14° 07' 10.87" N 100° 20' 41.58" E
GORSI	13° 30' 54.64" N 101° 21' 28.05" E
HHN	12° 38' 04.04" N 099° 57' 04.23" E
KASNI	13° 04' 50.17" N 100° 40' 41.88" E
KIGOB	13° 06' 46.46" N 100° 51' 06.33" E
POTEP	13° 41' 54.24" N 100° 04' 50.87" E
REGOS	12° 00' 06.50" N 100° 34' 54.30" E
RYN	12° 46' 48.30" N 101° 40' 41.70" E
SABIS	12° 59' 58.53" N 100° 11' 24.53" E
TUPKA	13° 20' 22.25" N 100° 11' 34.96" E
UKERA	12° 02' 07.25" N 100° 01' 09.59" E
VARIS	13° 45' 37.45" N 100° 45' 29.14" E

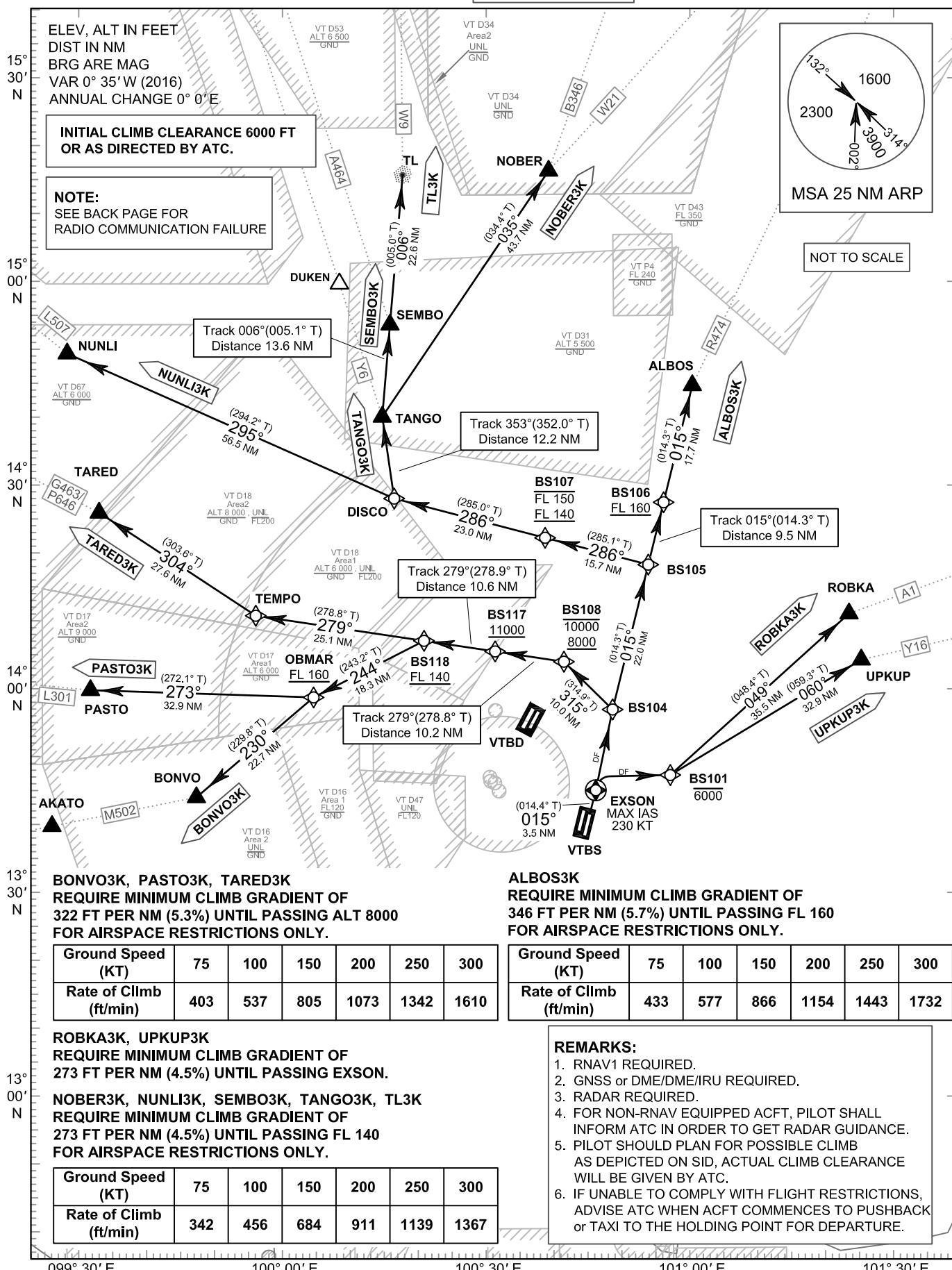
STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO

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  
: 120.3, 262.5  
: 121.1, 262.5  
: 122.35, 262.5  
: 124.35, 262.5  
: 125.2, 262.5  
ARR : 121.1  
: 126.3  
TWR : 118.2, 274.5  
: 119.0  
ATIS : 133.6, 278.6

BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01R

ALBOS3K BONVO3K  
NOBER3K NUNLI3K PASTO3K  
ROBKA3K SEMBO3K TANGO3K  
TARED3K TL3K UPKUP3K



ALBOS3K BONVO3K  
NOBER3K NUNLI3K PASTO3K  
ROBKA3K SEMBO3K TANGO3K  
TARED3K TL3K UPKUP3K

#### RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	COMPLY WITH THE LAST ACKNOWLEDGED CLEARANCE <b>UP TO THE NEXT REPORTING POINT IN THE SID, THEN CLIMB TO THE FLIGHT PLANNED CRUISING LEVEL</b> 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 <b>TWO MINUTES</b> , 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 <b>TWO MINUTES</b> , 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 VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

#### WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
DER RWY01R	-	EXSON	ECKS - SON
ALBOS	AL - BOSS	NOBER	NO - BER
BONVO	BONG - VOH	NUNLI	NUN - LEE
BS101	-	OBMAR	OB - MAR
BS104	-	PASTO	PAS - TOW
BS105	-	ROBKA	ROB - KAH
BS106	-	SEMBO	SEM - BO
BS107	-	TANGO	TANG - GO
BS108	-	TARED	TAH - RED
BS117	-	TEMPO	TEM - POH
BS118	-	TL	TA - KLEE
DISCO	DIS - KOH	UPKUP	UP - CUP

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01R**

ALBOS3K BONVO3K  
NOBER3K NUNLI3K PASTO3K  
ROBKA3K SEMBO3K TANGO3K  
TARED3K TL3K UPKUP3K

**TABULAR DESCRIPTION (1)**

<b>RNAV RWY01R</b>											
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course °M (°T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>
<b>ALBOS3K TO R474</b>											
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	-	-	-	-	RNAV 1
050	TF	BS106	-	015°(014.3°)	+0.58	9.5	-	+FL160	-	-	RNAV 1
060	TF	ALBOS	-	015°(014.3°)	+0.58	17.7	-	-	-	-	RNAV 1
<b>BONVO3K TO M502</b>											
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	RNAV 1
070	TF	OBMAR	-	244°(243.2°)	+0.58	18.3	L	+FL160	-	-	RNAV 1
080	TF	BONVO	-	230°(229.8°)	+0.58	22.7	-	-	-	-	RNAV 1
<b>NOBER3K TO B346, W21</b>											
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	RNAV 1
070	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	RNAV 1
080	TF	NOBER	-	035°(034.4°)	+0.58	43.7	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01R**

ALBOS3K BONVO3K  
NOBER3K NUNLI3K PASTO3K  
ROBKA3K SEMBO3K TANGO3K  
TARED3K TL3K UPKUP3K

**TABULAR DESCRIPTION (2)**

<b>RNAV RWY01R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>NUNLI3K TO L507</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	-	RNAV 1
070	TF	NUNLI	-	295°(294.2°)	+0.58	56.5	-	-	-	-	-	RNAV 1
<b>PASTO3K TO L301</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	-	RNAV 1
070	TF	OBMAR	-	244°(243.2°)	+0.58	18.3	R	+FL160	-	-	-	RNAV 1
080	TF	PASTO	-	273°(272.1°)	+0.58	32.9	-	-	-	-	-	RNAV 1
<b>ROBKA3K TO A1</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	ROBKA	-	049°(048.4°)	+0.58	35.5	-	-	-	-	-	RNAV 1
<b>SEMBO3K TO A464</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	-	RNAV 1
070	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
080	TF	SEMBO	-	006°(005.1°)	+0.58	13.6	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01R**

ALBOS3K BONVO3K  
NOBER3K NUNLI3K PASTO3K  
ROBKA3K SEMBO3K TANGO3K  
TARED3K TL3K UPKUP3K

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY01R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>TANGO3K TO Y6</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	-	RNAV 1
070	TF	TANGO	-	353°(352.0°)	+0.58	12.2	-	-	-	-	-	RNAV 1
<b>TARED3K TO G463/P646</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	-	+FL140	-	-	-	RNAV 1
070	TF	TEMPO	-	279°(278.8°)	+0.58	25.1	R	-	-	-	-	RNAV 1
080	TF	TARED	-	304°(303.6°)	+0.58	27.6	-	-	-	-	-	RNAV 1
<b>TL3K TO W9</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS105	-	015°(014.3°)	+0.58	22.0	L	-	-	-	-	RNAV 1
050	TF	BS107	-	286°(285.1°)	+0.58	15.7	-	-FL150 ; +FL140	-	-	-	RNAV 1
060	TF	DISCO	-	286°(285.0°)	+0.58	23.0	R	-	-	-	-	RNAV 1
070	TF	TANGO	-	353°(352.0°)	+0.58	12.2	R	-	-	-	-	RNAV 1
080	TF	SEMBO	-	006°(005.1°)	+0.58	13.6	-	-	-	-	-	RNAV 1
090	TF	TL	-	006°(005.0°)	+0.58	22.6	-	-	-	-	-	RNAV 1
<b>UPKUP3K TO Y16</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	UPKUP	-	060°(059.3°)	+0.58	32.9	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01R**

ALBOS3K BONVO3K  
NOBER3K NUNLI3K PASTO3K  
ROBKA3K SEMBO3K TANGO3K  
TARED3K TL3K UPKUP3K

**WAYPOINT LIST**

<b>RNAV RWY01R</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
DER RWY01R	13° 41' 30.17" N 100° 45' 39.72" E
ALBOS	14° 44' 41.70" N 101° 01' 41.90" E
BONVO	13° 44' 10.47" N 099° 46' 06.72" E
BS101	13° 47' 04.50" N 100° 57' 50.60" E
BS104	13° 56' 50.27" N 100° 49' 11.95" E
BS105	14° 18' 13.51" N 100° 54' 46.31" E
BS106	14° 27' 25.68" N 100° 57' 10.58" E
BS107	14° 22' 18.62" N 100° 39' 09.50" E
BS108	14° 03' 57.63" N 100° 41' 52.58" E
BS117	14° 05' 32.89" N 100° 31' 27.63" E
BS118	14° 07' 10.87" N 100° 20' 41.58" E
DISCO	14° 28' 15.59" N 100° 16' 17.24" E
EXSON	13° 44' 54.41" N 100° 46' 33.44" E
NOBER	15° 16' 35.60" N 100° 40' 06.00" E
NUNLI	14° 51' 27.45" N 099° 23' 03.60" E
OBMAR	13° 58' 53.52" N 100° 03' 54.64" E
PASTO	14° 00' 04.50" N 099° 30' 06.94" E
ROBKA	14° 10' 42.95" N 101° 25' 07.95" E
SEMBO	14° 53' 59.16" N 100° 15' 47.92" E
TANGO	14° 40' 22.25" N 100° 14' 32.54" E
TARED	14° 26' 19.52" N 099° 31' 28.87" E
TEMPO	14° 11' 00.89" N 099° 55' 11.97" E
TL	15° 16' 33.45" N 100° 17' 51.11" E
UPKUP	14° 03' 52.65" N 101° 26' 54.84" E

# **STANDARD DEPARTURE CHART-INSTRUMENT (SID) - ICAO**

**TRANSITION ALTITUDE**  
11000 FT

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**SPEED RESTRICTION**  
MAX IAS 250 KT AT OR  
BELOW ALT 10000 FT  
UNLESS OTHERWISE  
AUTHORIZED BY ATC.

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01R**

**ELEV, ALT IN FEET**  
**DIST IN NM**  
**BRG ARE MAG**  
**VAR 0° 35'W (2016)**  
**ANNUAL CHANGE 0° 0'E**

**INITIAL CLIMB CLEARANCE 6000 FT OR AS DIRECTED BY ATC.**

**NOTE:**  
SEE BACK PAGE FOR  
RADIO COMMUNICATION FAILURE

VT D31  
ALT 5500  
GND

VT D18  
Area1  
ALT 6000, UNL  
GND FL200

Track 2  
Distance

VT D17  
Area2  
ALT 9000  
GND

VT D17  
Area1  
ALT 6000  
GND

Track 212°(211.5° T)  
Distance 29.5 NM

POTEP  
FL 200

TUPKA

SABIS3K  
(180.5° T)  
181°  
20.3 NM

SABIS

MSA 25 NM ARP

NOT TO SCALE

VT D20  
ALT 11000  
GND

VANKO

HHN3K  
(212.7° T)  
23.9 NM

Y8

W13

G458

UKERA3K  
(180.9° T)  
190°  
56.5 NM

UKERA

Gulf of Thailand

099° 30' E      100° 00' E

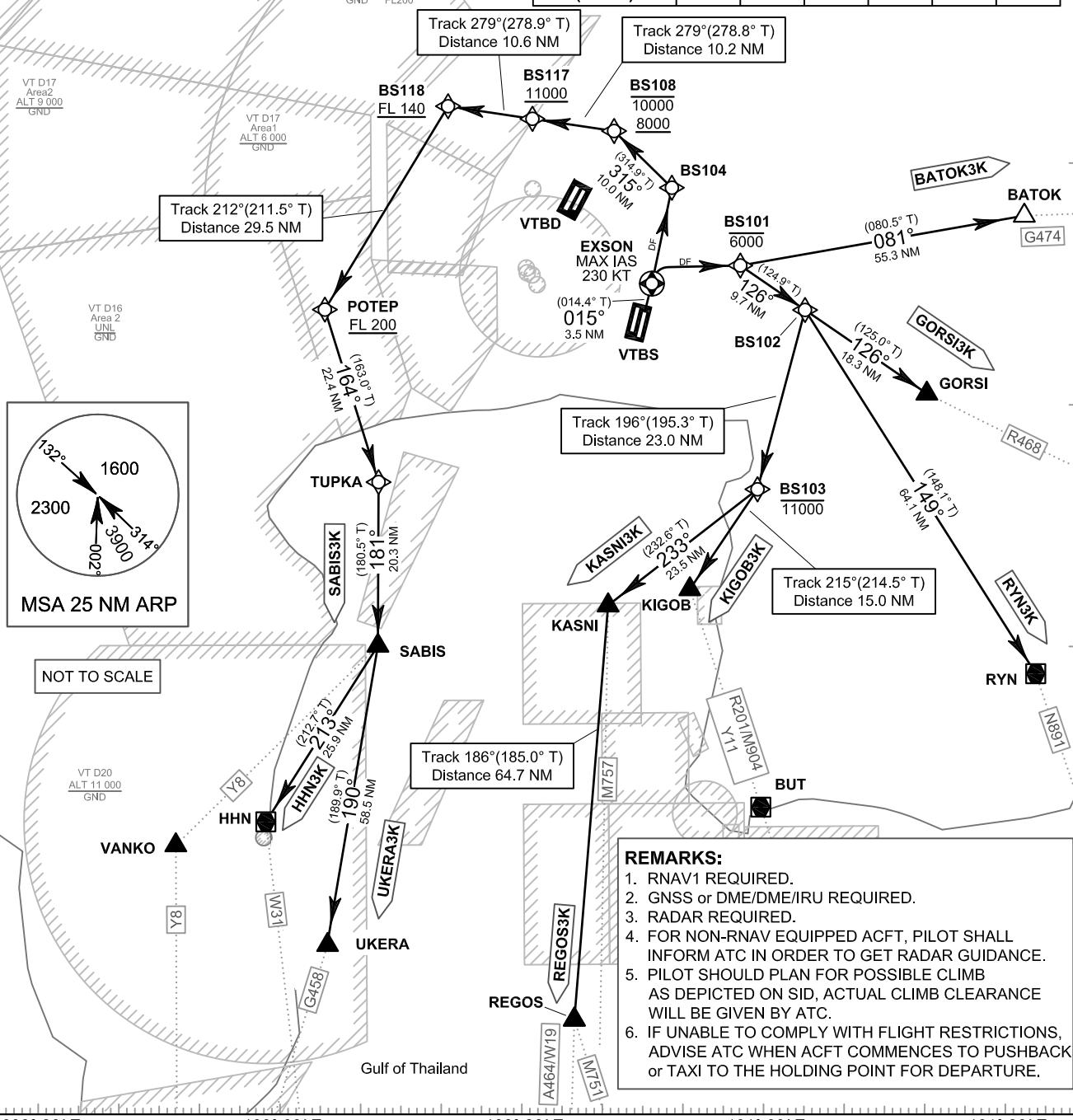
APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
	: 126.3
TWR	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

**BATOK3K, GORSI3K, KASNI3K, KIGOB3K,  
REGOS3K, RYN3K  
REQUIRE MINIMUM CLIMB GRADIENT OF  
273 FT PER NM (4.5%) UNTIL PASSING EXSON.**

Ground Speed (KT)	75	100	150	200	250	300
Rate of Climb (ft/min)	342	456	684	911	1139	1367

**HHN3K, SABIS3K, UKERA3K  
REQUIRE MINIMUM CLIMB GRADIENT OF  
322 FT PER NM (5.3%) UNTIL PASSING ALT 8000  
FOR AIRSPACE RESTRICTIONS ONLY.**

Ground Speed (KT)	75	100	150	200	250	300
Rate of Climb (ft/min)	403	537	805	1073	1342	1610



**REMARKS:**

- REMARKS:**

  1. RNAV1 REQUIRED.
  2. GNSS or DME/DME/IRU REQUIRED.
  3. RADAR 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.

BATOK3K GORSI3K HHN3K  
KASNI3K KIGOB3K REGOS3K  
RYN3K SABIS3K UKERA3K

### RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	COMPLY WITH THE LAST ACKNOWLEDGED CLEARANCE <b>UP TO THE NEXT REPORTING POINT IN THE SID, THEN CLIMB TO THE FLIGHT PLANNED CRUISING LEVEL</b> 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 <b>TWO MINUTES</b> , 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 <b>TWO MINUTES</b> , 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 VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

### WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
DER RWY01R	-	GORSI	GOR - SEE
BATOK	BAH - TOK	HHN	HUA - HIN
BS101	-	KASNI	KAS - NEE
BS102	-	KIGOB	KEE - GOB
BS103	-	POTEP	POH - TEP
BS104	-	REGOS	REE - GOSS
BS108	-	RYN	RA - YONG
BS117	-	SABIS	SAH - BISS
BS118	-	TUPKA	TUP - KAH
EXSON	ECKS - SON	UKERA	U - KEY - RAH

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01R**

BATOK3K GORSI3K HHN3K  
KASNI3K KIGOB3K REGOS3K  
RYN3K SABIS3K UKERA3K

**TABULAR DESCRIPTION (1)**

<b>RNAV RWY01R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>BATOK3K TO G474</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BATOK	-	081°(080.5°)	+0.58	55.3	-	-	-	-	-	RNAV 1
<b>GORSI3K TO R468</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	-	-	-	-	-	RNAV 1
050	TF	GORSI	-	126°(125.0°)	+0.58	18.3	-	-	-	-	-	RNAV 1
<b>HHN3K TO W31</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	-	RNAV 1
070	TF	POTEP	-	212°(211.5°)	+0.58	29.5	L	+FL200	-	-	-	RNAV 1
080	TF	TUPKA	-	164°(163.0°)	+0.58	22.4	R	-	-	-	-	RNAV 1
090	TF	SABIS	-	181°(180.5°)	+0.58	20.3	R	-	-	-	-	RNAV 1
100	TF	HHN	-	213°(212.7°)	+0.58	25.9	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01R**

BATOK3K GORSI3K HHN3K  
KASNI3K KIGOB3K REGOS3K  
RYN3K SABIS3K UKERA3K

**TABULAR DESCRIPTION (2)**

<b>RNAV RWY01R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>KASNI3K TO M757</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	R	-	-	-	-	RNAV 1
050	TF	BS103	-	196°(195.3°)	+0.58	23.0	R	-11000	-	-	-	RNAV 1
060	TF	KASNI	-	233°(232.6°)	+0.58	23.5	-	-	-	-	-	RNAV 1
<b>KIGOB3K TO R201/M904/Y11</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	R	-	-	-	-	RNAV 1
050	TF	BS103	-	196°(195.3°)	+0.58	23.0	R	-11000	-	-	-	RNAV 1
060	TF	KIGOB	-	215°(214.5°)	+0.58	15.0	-	-	-	-	-	RNAV 1
<b>REGOS3K TO A464/W19, M751</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	R	-	-	-	-	RNAV 1
050	TF	BS103	-	196°(195.3°)	+0.58	23.0	R	-11000	-	-	-	RNAV 1
060	TF	KASNI	-	233°(232.6°)	+0.58	23.5	L	-	-	-	-	RNAV 1
070	TF	REGOS	-	186°(185.0°)	+0.58	64.7	-	-	-	-	-	RNAV 1
<b>RYN3K TO N891</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	R	-	-230	-	-	RNAV 1
030	DF	BS101	-	-	+0.58	-	-	-6000	-	-	-	RNAV 1
040	TF	BS102	-	126°(124.9°)	+0.58	9.7	R	-	-	-	-	RNAV 1
050	TF	RYN	-	149°(148.1°)	+0.58	64.1	-	-	-	-	-	RNAV 1

**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01R**

BATOK3K GORSI3K HHN3K  
KASNI3K KIGOB3K REGOS3K  
RYN3K SABIS3K UKERA3K

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY01R</b>												
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>	
<b>SABIS3K TO Y8</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	-	RNAV 1
070	TF	POTEP	-	212°(211.5°)	+0.58	29.5	L	+FL200	-	-	-	RNAV 1
080	TF	TUPKA	-	164°(163.0°)	+0.58	22.4	R	-	-	-	-	RNAV 1
090	TF	SABIS	-	181°(180.5°)	+0.58	20.3	-	-	-	-	-	RNAV 1
<b>UKERA3K TO G458</b>												
010	-	DER RWY01R	-	-	+0.58	-	-	-	-	-	-	RNAV 1
020	CF	EXSON	Y	015°(014.4°)	+0.58	3.5	L	-	-230	-	-	RNAV 1
030	DF	BS104	-	-	+0.58	-	-	-	-	-	-	RNAV 1
040	TF	BS108	-	315°(314.9°)	+0.58	10.0	L	-10000 ; +8000	-	-	-	RNAV 1
050	TF	BS117	-	279°(278.8°)	+0.58	10.2	-	+11000	-	-	-	RNAV 1
060	TF	BS118	-	279°(278.9°)	+0.58	10.6	L	+FL140	-	-	-	RNAV 1
070	TF	POTEP	-	212°(211.5°)	+0.58	29.5	L	+FL200	-	-	-	RNAV 1
080	TF	TUPKA	-	164°(163.0°)	+0.58	22.4	R	-	-	-	-	RNAV 1
090	TF	SABIS	-	181°(180.5°)	+0.58	20.3	R	-	-	-	-	RNAV 1
100	TF	UKERA	-	190°(189.9°)	+0.58	58.5	-	-	-	-	-	RNAV 1

BATOK3K GORSI3K HHN3K  
KASNI3K KIGOB3K REGOS3K  
RYN3K SABIS3K UKERA3K

## WAYPOINT LIST

RNAV RWY01R	
Waypoint Identifier	Coordinates
DER RWY01R	13° 41' 30.17" N 100° 45' 39.72" E
BATOK	13° 56' 06.00" N 101° 53' 53.60" E
BS101	13° 47' 04.50" N 100° 57' 50.60" E
BS102	13° 41' 28.08" N 101° 06' 02.84" E
BS103	13° 19' 09.98" N 100° 59' 48.37" E
BS104	13° 56' 50.27" N 100° 49' 11.95" E
BS108	14° 03' 57.63" N 100° 41' 52.58" E
BS117	14° 05' 32.89" N 100° 31' 27.63" E
BS118	14° 07' 10.87" N 100° 20' 41.58" E
EXSON	13° 44' 54.41" N 100° 46' 33.44" E
GORSI	13° 30' 54.64" N 101° 21' 28.05" E
HHN	12° 38' 04.04" N 099° 57' 04.23" E
KASNI	13° 04' 50.17" N 100° 40' 41.88" E
KIGOB	13° 06' 46.46" N 100° 51' 06.33" E
POTEP	13° 41' 54.24" N 100° 04' 50.87" E
REGOS	12° 00' 06.50" N 100° 34' 54.30" E
RYN	12° 46' 48.30" N 101° 40' 41.70" E
SABIS	12° 59' 58.53" N 100° 11' 24.53" E
TUPKA	13° 20' 22.25" N 100° 11' 34.96" E
UKERA	12° 02' 07.25" N 100° 01' 09.59" E

## **STANDARD ARRIVAL CHART-INSTRUMENT (STAR) - ICAO**

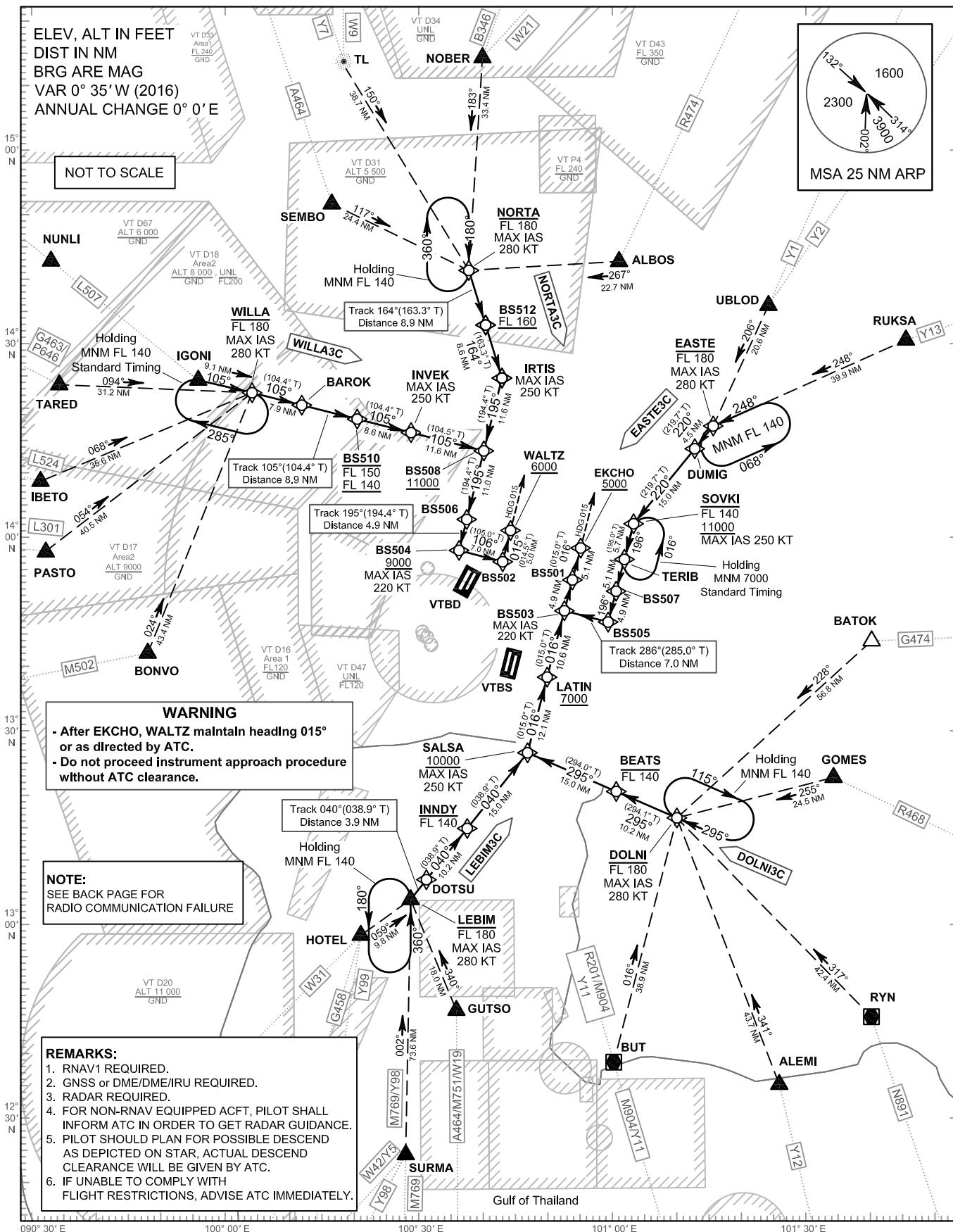
**TRANSITION ALTITUDE**  
11000 FT

**SPEED RESTRICTION**  
MAX IAS 250 KT AT OR  
BELOW ALT 10000 FT  
UNLESS OTHERWISE  
AUTHORIZED BY ATC.

APP	: 119.1, 262.5
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
	: 126.3
TWR	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

**BANGKOK/Suvarnabhumi Intl (VTBS)**  
**RNAV RWY19L/19R**

DOLNI3C EASTE3C  
LEBIM3C NORTA3C WILLA3C



CHANGE: Y5. Y98 AND Y99 ADDED.

**STANDARD ARRIVAL CHART-  
INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L/19R**

DOLNI3C EASTE3C  
LEBIM3C NORTA3C WILLA3C

RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	PROCEED ACCORDING TO THE STAR ROUTE TO THE TERMINATION POINT WALTZ/EKCHO, DESCEND IN ACCORDANCE WITH THE PUBLISHED ALL SPEED AND ALTITUDE RESTRICTIONS OF THE RELEVANT STAR PROCEDURE, THENCE: AFTER PASSING WALTZ/EKCHO FLY HEADING 015 AND MAINTAIN ALTITUDE 6000 FT FOR NEXT 10 NM, THEN TURN RIGHT/LEFT AND DESCEND TO 2000 FT AND CARRY OUT THE APPROPRIATE ILS APPROACH PROCEDURE.
3	WHEN <b>AN ARRIVING AIRCRAFT IS BEING RADAR VECTORED</b> , IF NO TRANSMISSIONS ARE HEARD ON THE FREQUENCY IN USE FOR A PERIOD OF <b>TWO MINUTES</b> , A RADIO FREQUENCY CHECK IS TO BE MADE. IF THE RADIO FREQUENCY CHECK INDICATES A RADIO COMMUNICATION FAILURE. PILOT SHOULD PROCEED IN THE MOST DIRECT MANNER POSSIBLE TO REJOIN THE STAR PROCEDURE APPROPRIATE TO ITS ATS ROUTE AND LANDING DIRECTION AND THEN COMPLY WITH THE PROCEDURES IN ITEM 2 ABOVE.
4	FOR MORE INFORMATION OR OTHER CASES. REFER TO AIP VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
ALBOS	AL - BOSS	BUT	U - TAH - PAO	NOBER	NO - BER
ALEMI	AH - LAY - MEE	DOLNI	DOL - NEE	NORTA	NOR - TAH
BAROK	BAH - ROCK	DOTSU	DOT - TSU	PASTO	PAS - TOW
BATOK	BAH - TOK	DUMIG	DOO - MIG	RUOKSA	RUCK - SA
BEATS	BEATS	EASTE	EAST - TE	RYN	RA - YONG
BONVO	BONG - VOH	EKCHO	EK - KO	SALSA	SAL - SAH
BS501	-	GOMES	GO - MESS	SEMBO	SEM - BO
BS502	-	GUTSO	GUTT - SOH	SOVKI	SOV - KEE
BS503	-	HOTEL	HO - TEL	SURMA	SUR - MAR
BS504	-	IBETO	YI - BAY - TOH	TARED	TAH - RED
BS505	-	IGONI	YI - GO - NEE	TERIB	TEH - RIB
BS506	-	INNDY	IN - DEE	TL	TA - KLEE
BS507	-	INVEK	INN - VECK	UBLOD	UB - LOD
BS508	-	IRTIS	ER - TISS	WALTZ	WALTZ
BS510	-	LATIN	LAH - TIN	WILLA	WILL - LAH
BS512	-	LEBIM	LAY - BIM		

## **STANDARD ARRIVAL CHART-INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)**  
**RNAV RWY19L/19R**

DOLNI3C EASTE3C  
LEBIM3C NORTA3C WILLA3C

## TABULAR DESCRIPTION (1)

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
<b>DOLNI3C</b>											
TRANSITION BATOK FROM G474											
010	IF	BATOK	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	228°(227.7°)	+0.58	56.8	-	-FL180	-280	-	RNAV 1
TRANSITION GOMES FROM R468											
010	IF	GOMES	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	255°(254.9°)	+0.58	24.5	-	-FL180	-280	-	RNAV 1
TRANSITION RYN FROM N891											
010	IF	RYN	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	317°(316.5°)	+0.58	42.4	-	-FL180	-280	-	RNAV 1
TRANSITION ALEMI FROM Y12											
010	IF	ALEMI	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	341°(340.2°)	+0.58	43.7	-	-FL180	-280	-	RNAV 1
TRANSITION BUT FROM M904/Y11											
010	IF	BUT	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	016°(015.7°)	+0.58	38.9	-	-FL180	-280	-	RNAV 1
010	IF	DOLNI	-	-	+0.58	-	-	-FL180	-280	-	RNAV 1
020	TF	BEATS	-	295°(294.1°)	+0.58	10.2	-	-FL140	-	-	RNAV 1
030	TF	SALSA	-	295°(294.0°)	+0.58	15.0	R	+10000	-250	-	RNAV 1
040	TF	LATIN	-	016°(015.0°)	+0.58	12.1	-	+7000	-	-	RNAV 1
050	TF	BS503	-	016°(015.0°)	+0.58	10.6	-	-	-220	-	RNAV 1
060	TF	BS501	-	016°(015.0°)	+0.58	4.9	-	-	-	-	RNAV 1
070	TF	EKCHO	-	016°(015.0°)	+0.58	5.1	-	+5000	-	-	RNAV 1
080	VM	-	-	015°(-)	+0.58	-	-	-	-	-	RNAV 1

## **STANDARD ARRIVAL CHART-INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L/19R**

DOLNI3C EASTE3C  
LEBIM3C NORTA3C WILLA3C

## TABULAR DESCRIPTION (2)

RNAV RWY19L/19R											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
<b>EASTE3C</b>											
TRANSITION UBL0D FROM Y1, Y2											
010	IF	UBL0D	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	EASTE	-	206°(205.2°)	+0.58	20.6	-	-FL180	-280	-	RNAV 1
TRANSITION RUksA FROM Y13											
010	IF	RUksA	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	EASTE	-	248°(247.7°)	+0.58	39.9	-	-FL180	-280	-	RNAV 1
010	IF	EASTE	-	-	+0.58	-	-	-FL180	-280	-	RNAV 1
020	TF	DUMIG	-	220°(219.7°)	+0.58	4.5	-	-	-	-	RNAV 1
030	TF	SOVKI	-	220°(219.7°)	+0.58	15.0	L	-FL140 ; +11000	-250	-	RNAV 1
040	TF	TERIB	-	196°(195.0°)	+0.58	5.7	-	-	-	-	RNAV 1
050	TF	BS507	-	196°(195.0°)	+0.58	5.1	-	-	-	-	RNAV 1
060	TF	BS505	-	196°(195.0°)	+0.58	4.9	R	-	-	-	RNAV 1
070	TF	BS503	-	286°(285.0°)	+0.58	7.0	R	-	-220	-	RNAV 1
080	TF	BS501	-	016°(015.0°)	+0.58	4.9	-	-	-	-	RNAV 1
090	TF	EKCHO	-	016°(015.0°)	+0.58	5.1	-	+5000	-	-	RNAV 1
100	VM	-	-	015°(-)	+0.58	-	-	-	-	-	RNAV 1

**STANDARD ARRIVAL CHART-  
INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L/19R**

DOLNI3C EASTE3C  
LEBIM3C NORTA3C WILLA3C

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY19L/19R</b>											
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>
<b>LEBIM3C</b>											
TRANSITION GUTSO FROM A464/M751/W19											
010	IF	GUTSO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	LEBIM	-	340°(339.4°)	+0.58	18.0	-	-FL180	-280	-	RNAV 1
TRANSITION SURMA FROM M769/Y98											
010	IF	SURMA	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	LEBIM	-	002°(001.4°)	+0.58	73.6	-	-FL180	-280	-	RNAV 1
TRANSITION HOTEL FROM G458 ,W31, Y99											
010	IF	HOTEL	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	LEBIM	-	059°(058.6°)	+0.58	9.8	-	-FL180	-280	-	RNAV 1
010	IF	LEBIM	-	-	+0.58	-	-	-FL180	-280	-	RNAV 1
020	TF	DOTSU	-	040°(038.9°)	+0.58	3.9	-	-	-	-	RNAV 1
030	TF	INNDY	-	040°(038.9°)	+0.58	10.2	-	-FL140	-	-	RNAV 1
040	TF	SALSA	-	040°(038.9°)	+0.58	15.0	L	+10000	-250	-	RNAV 1
050	TF	LATIN	-	016°(015.0°)	+0.58	12.1	-	+7000	-	-	RNAV 1
060	TF	BS503	-	016°(015.0°)	+0.58	10.6	-	-	-220	-	RNAV 1
070	TF	BS501	-	016°(015.0°)	+0.58	4.9	-	-	-	-	RNAV 1
080	TF	EKCHO	-	016°(015.0°)	+0.58	5.1	-	+5000	-	-	RNAV 1
090	VM	-	-	015°(-)	+0.58	-	-	-	-	-	RNAV 1

## **STANDARD ARRIVAL CHART-INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L/19R**

DOLNI3C EASTE3C  
LEBIM3C NORTA3C WILLA3C

## TABULAR DESCRIPTION (4)

RNAV RWY19L/19R											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
<b>NORTA3C</b>											
TRANSITION SEMBO FROM A464											
010	IF	SEMBO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	NORTA	-	117°(116.3°)	+0.58	24.4	-	-FL180	-280	-	RNAV 1
TRANSITION TL FROM W9, Y7											
010	IF	TL	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	NORTA	-	150°(149.2°)	+0.58	38.7	-	-FL180	-280	-	RNAV 1
TRANSITION NOBER FROM B346, W21											
010	IF	NOBER	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	NORTA	-	183°(182.9°)	+0.58	33.4	-	-FL180	-280	-	RNAV 1
TRANSITION ALBOS FROM R474											
010	IF	ALBOS	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	NORTA	-	267°(266.1°)	+0.58	22.7	-	-FL180	-280	-	RNAV 1
010	IF	NORTA	-	-	+0.58	-	-	-FL180	-280	-	RNAV 1
020	TF	BS512	-	164°(163.3°)	+0.58	8.9	-	+FL160	-	-	RNAV 1
030	TF	IRTIS	-	164°(163.3°)	+0.58	8.6	R	-	-250	-	RNAV 1
040	TF	BS508	-	195°(194.4°)	+0.58	11.6	-	+11000	-	-	RNAV 1
050	TF	BS506	-	195°(194.4°)	+0.58	11.0	-	-	-	-	RNAV 1
060	TF	BS504	-	195°(194.4°)	+0.58	4.9	L	+9000	-220	-	RNAV 1
070	TF	BS502	-	106°(105.0°)	+0.58	7.0	L	-	-	-	RNAV 1
080	TF	WALTZ	-	015°(014.5°)	+0.58	5.0	-	+6000	-	-	RNAV 1
090	VM	-	-	015°(-)	+0.58	-	-	-	-	-	RNAV 1

**STANDARD ARRIVAL CHART-  
INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L/19R**

DOLNI3C EASTE3C  
LEBIM3C NORTA3C WILLA3C

**TABULAR DESCRIPTION (5)**

<b>RNAV RWY19L/19R</b>											
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>
<b>WILLA3C</b>											
TRANSITION IGONI FROM L507											
010	IF	IGONI	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	105°(104.3°)	+0.58	9.1	-	-FL180	-280	-	RNAV 1
TRANSITION TARED FROM G463/P646											
010	IF	TARED	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	094°(093.7°)	+0.58	31.2	-	-FL180	-280	-	RNAV 1
TRANSITION IBETO FROM L524											
010	IF	IBETO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	068°(067.4°)	+0.58	35.6	-	-FL180	-280	-	RNAV 1
TRANSITION PASTO FROM L301											
010	IF	PASTO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	054°(053.4°)	+0.58	40.5	-	-FL180	-280	-	RNAV 1
TRANSITION BONVO FROM M502											
010	IF	BONVO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	024°(023.0°)	+0.58	43.4	-	-FL180	-280	-	RNAV 1
010	IF	WILLA	-	-	+0.58	-	-	-FL180	-280	-	RNAV 1
020	TF	BAROK	-	105°(104.4°)	+0.58	7.9	-	-	-	-	RNAV 1
030	TF	BS510	-	105°(104.4°)	+0.58	8.9	-	-FL150 ; + FL140	-	-	RNAV 1
040	TF	INVEK	-	105°(104.4°)	+0.58	8.6	-	-	-250	-	RNAV 1
050	TF	BS508	-	105°(104.5°)	+0.58	11.6	R	+11000	-	-	RNAV 1
060	TF	BS506	-	195°(194.4°)	+0.58	11.0	-	-	-	-	RNAV 1
070	TF	BS504	-	195°(194.4°)	+0.58	4.9	L	+9000	-220	-	RNAV 1
080	TF	BS502	-	106°(105.0°)	+0.58	7.0	L	-	-	-	RNAV 1
090	TF	WALTZ	-	015°(014.5°)	+0.58	5.0	-	+6000	-	-	RNAV 1
100	VM	-	-	015°(-)	+0.58	-	-	-	-	-	RNAV 1

**STANDARD ARRIVAL CHART-  
INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY19L/19R**

DOLNI3C EASTE3C  
LEBIM3C NORTA3C WILLA3C

**WAYPOINT LIST**

<b>RNAV RWY19L/19R</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
ALBOS	14° 44' 41.70" N 101° 01' 41.90" E
ALEM	12° 36' 25.55" N 101° 25' 59.92" E
BAROK	14° 22' 18.30" N 100° 11' 30.61" E
BATOK	13° 56' 06.00" N 101° 53' 53.60" E
BEATS	13° 21' 51.18" N 101° 01' 12.46" E
BONVO	13° 44' 10.47" N 099° 46' 06.72" E
BS501	13° 54' 49.86" N 100° 54' 30.27" E
BS502	13° 57' 44.32" N 100° 43' 24.90" E
BS503	13° 50' 02.28" N 100° 53' 11.48" E
BS504	13° 59' 33.39" N 100° 36' 27.83" E
BS505	13° 48' 13.24" N 101° 00' 08.22" E
BS506	14° 04' 21.71" N 100° 37' 43.57" E
BS507	13° 53' 00.98" N 101° 01' 27.19" E
BS508	14° 15' 01.03" N 100° 40' 31.77" E
BS510	14° 20' 05.56" N 100° 20' 20.84" E
BS512	14° 34' 36.53" N 100° 40' 57.87" E
BUT	12° 40' 00.02" N 101° 00' 01.71" E
DOLNI	13° 17' 39.62" N 101° 10' 48.41" E
DOTSU	13° 08' 19.84" N 100° 30' 56.81" E
DUMIG	14° 15' 04.59" N 101° 14' 11.33" E
EASTE	14° 18' 34.80" N 101° 17' 10.48" E
EKCHO	13° 59' 46.52" N 100° 55' 51.75" E
GOMES	13° 24' 06.10" N 101° 35' 05.70" E
GUTSO	12° 48' 19.94" N 100° 34' 54.30" E

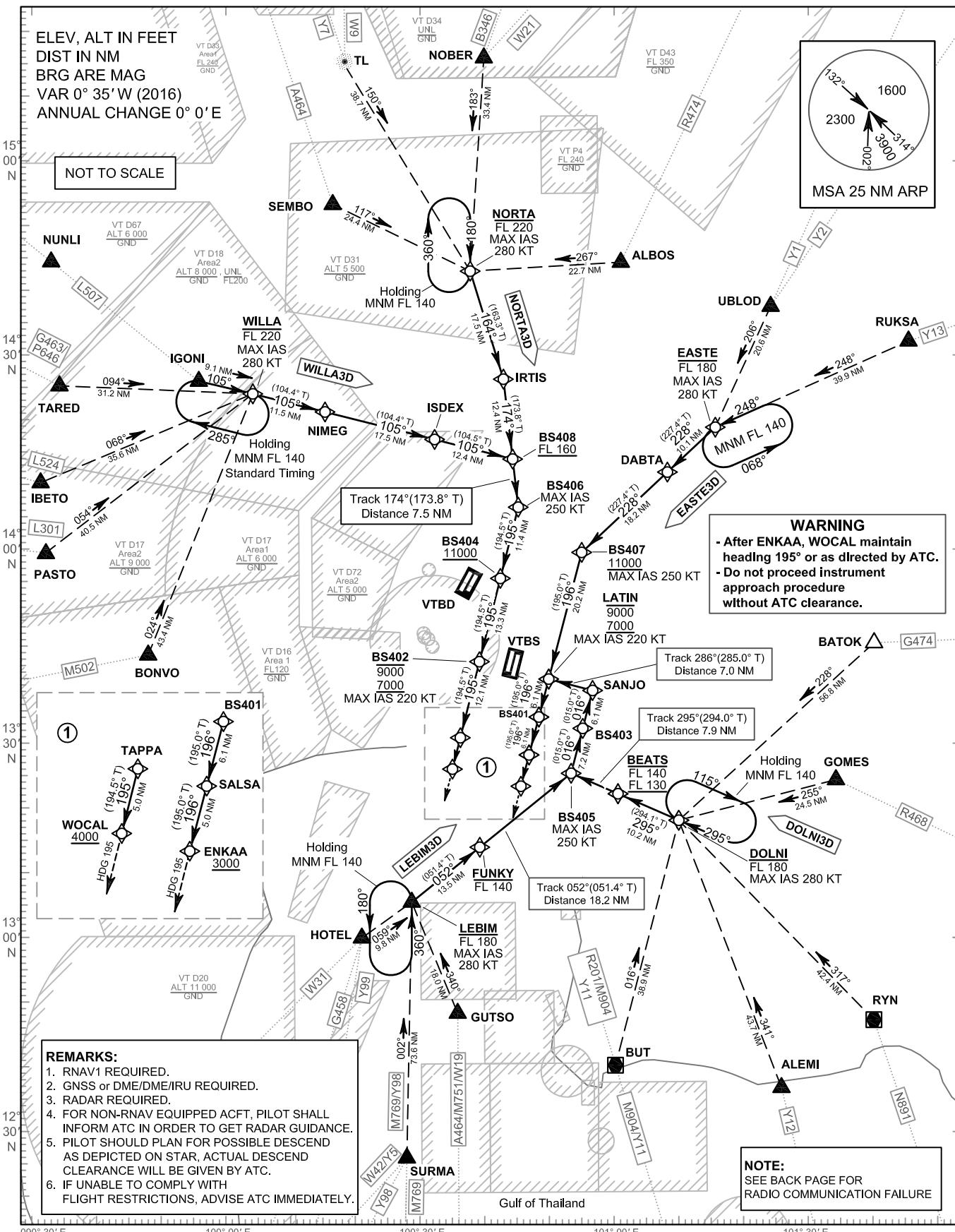
<b>RNAV RWY19L/19R</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
HOTEL	13° 00' 06.20" N 100° 19' 48.30" E
IBETO	14° 10' 36.14" N 099° 29' 45.68" E
IGONI	14° 26' 32.73" N 099° 54' 30.29" E
INNDY	13° 16' 15.65" N 100° 37' 28.68" E
INVEK	14° 17' 56.26" N 100° 28' 55.92" E
IRTIS	14° 26' 19.82" N 100° 43' 30.68" E
LATIN	13° 39' 43.82" N 100° 50' 21.89" E
LEBIM	13° 05' 14.81" N 100° 28' 24.51" E
NOBER	15° 16' 35.60" N 100° 40' 06.00" E
NORTA	14° 43' 07.64" N 100° 38' 20.46" E
PASTO	14° 00' 04.50" N 099° 30' 06.94" E
RUKSA	14° 33' 51.00" N 101° 55' 12.34" E
RYN	12° 46' 48.30" N 101° 40' 41.70" E
SALSA	13° 27' 58.73" N 100° 47' 08.94" E
SEMBO	14° 53' 59.16" N 100° 15' 47.92" E
SOVKI	14° 03' 29.32" N 101° 04' 19.78" E
SURMA	11° 51' 22.45" N 100° 26' 32.65" E
TARED	14° 26' 19.52" N 099° 31' 28.87" E
TERIB	13° 57' 57.63" N 101° 02' 48.61" E
TL	15° 16' 33.45" N 100° 17' 51.11" E
UBLOD	14° 37' 15.43" N 101° 26' 11.66" E
WALTZ	14° 02' 36.02" N 100° 44' 42.21" E
WILLA	14° 24' 16.98" N 100° 03' 35.36" E

STANDARD ARRIVAL CHART-  
INSTRUMENT (STAR) - 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
	: 120.3, 262.5
	: 121.7, 262.5
	: 122.35, 262.5
	: 124.35, 262.5
	: 125.2, 262.5
ARR	: 121.1
	: 126.3
TWR	: 118.2, 274.5
	: 119.0
ATIS	: 133.6, 278.6

BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L/01RDOLNI3D EASTE3D  
LEBIM3D NORTA3D WILLA3D

**STANDARD ARRIVAL CHART-  
INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L/01R**

DOLNI3D EASTE3D  
LEBIM3D NORTA3D WILLA3D

RADIO COMMUNICATION FAILURE

1	SET THE AIRCRAFT TRANSPONDER TO MODE A/C CODE 7600
2	PROCEED ACCORDING TO THE STAR ROUTE TO THE TERMINATION WOCAL/ENKAA, DESCEND IN ACCORDANCE WITH THE PUBLISHED ALL SPEED AND ALTITUDE RESTRICTIONS OF THE RELEVANT STAR PROCEDURE, THENCE: AFTER PASSING WOCAL/ENKAA FLY HEADING 195 AND MAINTAIN ALTITUDE 6000 FT FOR NEXT 10 NM, THEN TURN LEFT/RIGHT AND DESCEND TO 2000 FT AND CARRY OUT THE APPROPRIATE ILS APPROACH PROCEDURE.
3	WHEN <b>AN ARRIVING AIRCRAFT IS BEING RADAR VECTORED</b> , IF NO TRANSMISSIONS ARE HEARD ON THE FREQUENCY IN USE FOR A PERIOD OF <b>TWO MINUTES</b> , A RADIO FREQUENCY CHECK IS TO BE MADE. IF THE RADIO FREQUENCY CHECK INDICATES A RADIO COMMUNICATION FAILURE. PILOT SHOULD PROCEED IN THE MOST DIRECT MANNER POSSIBLE TO REJOIN THE STAR PROCEDURE APPROPRIATE TO ITS ATS ROUTE AND LANDING DIRECTION AND THEN COMPLY WITH THE PROCEDURES IN ITEM 2 ABOVE.
4	FOR MORE INFORMATION OR OTHER CASES. REFER TO AIP VTBS AD 2.22, RADIO COMMUNICATION FAILURE.

WAYPOINT PRONUNCIATION

Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation	Waypoint Identifier	Pronunciation
ALBOS	AL - BOSS	DOLNI	DOL - NEE	NORTA	NOR - TAH
ALEMI	AH - LAY - MEE	EASTE	EAST - TE	PASTO	PAS - TOW
BATOK	BAH - TOK	ENKAA	EN - KA	RUKSA	RUCK - SA
BEATS	BEATS	FUNKY	FUNG - KEE	RYN	RA - YONG
BONVO	BONG - VOH	GOMES	GO - MESS	SALSA	SAL - SAH
BS401	-	GUTSO	GUTT - SOH	SANJO	SAN - JOH
BS402	-	HOTEL	HO - TEL	SEMBO	SEM - BO
BS403	-	IBETO	YI - BAY - TOH	SURMA	SUR - MAR
BS404	-	IGONI	YI - GO - NEE	TAPPA	TAP - PAH
BS405	-	IRTIS	ER - TISS	TARED	TAH - RED
BS406	-	ISDEX	ISS - DEKS	TL	TA - KLEE
BS407	-	LATIN	LAH - TIN	UBLOD	UB - LOD
BS408	-	LEBIM	LAY - BIM	WILLA	WILL - LAH
BUT	U - TAH - PAO	NIMEG	NAI - MEG	WOCAL	WO - CALL
DABTA	DAB - TAH	NOBER	NO - BER		

## **STANDARD ARRIVAL CHART-INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)**  
**RNAV RWY01L/01R**

DOLNI3D EASTE3D  
LEBIM3D NORTA3D WILLA3D

## TABULAR DESCRIPTION (1)

RNAV RWY01L/01R											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
<b>DOLNI3D</b>											
TRANSITION BATOK FROM G474											
010	IF	BATOK	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	228°(227.7°)	+0.58	56.8	-	-FL180	-280	-	RNAV 1
TRANSITION GOMES FROM R468											
010	IF	GOMES	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	255°(254.9°)	+0.58	24.5	-	-FL180	-280	-	RNAV 1
TRANSITION RYN FROM N891											
010	IF	RYN	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	317°(316.5°)	+0.58	42.4	-	-FL180	-280	-	RNAV 1
TRANSITION ALEMI FROM Y12											
010	IF	ALEMI	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	341°(340.2°)	+0.58	43.7	-	-FL180	-280	-	RNAV 1
TRANSITION BUT FROM M904/Y11											
010	IF	BUT	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	DOLNI	-	016°(015.7°)	+0.58	38.9	-	-FL180	-280	-	RNAV 1
010	IF	DOLNI	-	-	+0.58	-	-	-FL180	-280	-	RNAV 1
020	TF	BEATS	-	295°(294.1°)	+0.58	10.2	-	-FL140 ; +FL130	-	-	RNAV 1
030	TF	BS405	-	295°(294.0°)	+0.58	7.9	R	-	-250	-	RNAV 1
040	TF	BS403	-	016°(015.0°)	+0.58	7.2	-	-	-	-	RNAV 1
050	TF	SANJO	-	016°(015.0°)	+0.58	6.1	L	-	-	-	RNAV 1
060	TF	LATIN	-	286°(285.0°)	+0.58	7.0	L	-9000 ; +7000	-220	-	RNAV 1
070	TF	BS401	-	196°(195.0°)	+0.58	6.1	-	-	-	-	RNAV 1
080	TF	SALSA	-	196°(195.0°)	+0.58	6.1	-	-	-	-	RNAV 1
090	TF	ENKAA	-	196°(195.0°)	+0.58	5.0	-	+3000	-	-	RNAV 1
100	VM	-	-	195°(-)	+0.58	-	-	-	-	-	RNAV 1

**STANDARD ARRIVAL CHART-  
INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L/01R**

DOLNI3D EASTE3D  
LEBIM3D NORTA3D WILLA3D

**TABULAR DESCRIPTION (2)**

<b>RNAV RWY01L/01R</b>											
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>
<b>EASTE3D</b>											
TRANSITION UBL0D FROM Y1, Y2											
010	IF	UBL0D	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	EASTE	-	206°(205.2°)	+0.58	20.6	-	-FL180	-280	-	RNAV 1
TRANSITION RUksA FROM Y13											
010	IF	RUksA	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	EASTE	-	248°(247.7°)	+0.58	39.9	-	-FL180	-280	-	RNAV 1
010	IF	EASTE	-	-	+0.58	-	-	-FL180	-280	-	RNAV 1
020	TF	DABTA	-	228°(227.4°)	+0.58	10.1	-	-	-	-	RNAV 1
030	TF	BS407	-	228°(227.4°)	+0.58	18.2	L	+11000	-250	-	RNAV 1
040	TF	LATIN	-	196°(195.0°)	+0.58	20.2	-	-9000 ; +7000	-220	-	RNAV 1
050	TF	BS401	-	196°(195.0°)	+0.58	6.1	-	-	-	-	RNAV 1
060	TF	SALSA	-	196°(195.0°)	+0.58	6.1	-	-	-	-	RNAV 1
070	TF	ENKAA	-	196°(195.0°)	+0.58	5.0	-	+3000	-	-	RNAV 1
080	VM	-	-	195°( - )	+0.58	-	-	-	-	-	RNAV 1

**STANDARD ARRIVAL CHART-  
INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L/01R**

DOLNI3D EASTE3D  
LEBIM3D NORTA3D WILLA3D

**TABULAR DESCRIPTION (3)**

<b>RNAV RWY01L/01R</b>											
<b>Serial Number</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Flyover</b>	<b>Course ° M (° T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (FT)</b>	<b>Speed (KT)</b>	<b>VPA/ TCH</b>	<b>Navigation Specification</b>
<b>LEBIM3D</b>											
TRANSITION GUTSO FROM A464/M751/W19											
010	IF	GUTSO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	LEBIM	-	340°(339.4°)	+0.58	18.0	-	-FL180	-280	-	RNAV 1
TRANSITION SURMA FROM M769/Y98											
010	IF	SURMA	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	LEBIM	-	002°(001.4°)	+0.58	73.6	-	-FL180	-280	-	RNAV 1
TRANSITION HOTEL FROM G458 ,W31, Y99											
010	IF	HOTEL	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	LEBIM	-	059°(058.6°)	+0.58	9.8	-	-FL180	-280	-	RNAV 1
010	IF	LEBIM	-	-	+0.58	-	-	-FL180	-280	-	RNAV 1
020	TF	FUNKY	-	052°(051.4°)	+0.58	13.5	-	-FL140	-	-	RNAV 1
030	TF	BS405	-	052°(051.4°)	+0.58	18.2	L	-	-250	-	RNAV 1
040	TF	BS403	-	016°(015.0°)	+0.58	7.2	-	-	-	-	RNAV 1
050	TF	SANJO	-	016°(015.0°)	+0.58	6.1	L	-	-	-	RNAV 1
060	TF	LATIN	-	286°(285.0°)	+0.58	7.0	L	-9000 ; +7000	-220	-	RNAV 1
070	TF	BS401	-	196°(195.0°)	+0.58	6.1	-	-	-	-	RNAV 1
080	TF	SALSA	-	196°(195.0°)	+0.58	6.1	-	-	-	-	RNAV 1
090	TF	ENKAA	-	196°(195.0°)	+0.58	5.0	-	+3000	-	-	RNAV 1
100	VM	-	-	195°( - )	+0.58	-	-	-	-	-	RNAV 1

## **STANDARD ARRIVAL CHART-INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)**  
**RNAV RWY01L/01R**

DOLNI3D EASTE3D  
LEBIM3D NORTA3D WILLA3D

## TABULAR DESCRIPTION (4)

RNAV RWY01L/01R											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
<b>NORTA3D</b>											
TRANSITION SEMBO FROM A464											
010	IF	SEMBO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	NORTA	-	117°(116.3°)	+0.58	24.4	-	-FL220	-280	-	RNAV 1
TRANSITION TL FROM W9, Y7											
010	IF	TL	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	NORTA	-	150°(149.2°)	+0.58	38.7	-	-FL220	-280	-	RNAV 1
TRANSITION NOBER FROM B346, W21											
010	IF	NOBER	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	NORTA	-	183°(182.9°)	+0.58	33.4	-	-FL220	-280	-	RNAV 1
TRANSITION ALBOS FROM R474											
010	IF	ALBOS	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	NORTA	-	267°(266.1°)	+0.58	22.7	-	-FL220	-280	-	RNAV 1
010	IF	NORTA	-	-	+0.58	-	-	-FL220	-280	-	RNAV 1
020	TF	IRTIS	-	164°(163.3°)	+0.58	17.5	R	-	-	-	RNAV 1
030	TF	BS408	-	174°(173.8°)	+0.58	12.4	-	+FL160	-	-	RNAV 1
040	TF	BS406	-	174°(173.8°)	+0.58	7.5	R	-	-250	-	RNAV 1
050	TF	BS404	-	195°(194.5°)	+0.58	11.4	-	+11000	-	-	RNAV 1
060	TF	BS402	-	195°(194.5°)	+0.58	13.3	-	-9000 ; +7000	-220	-	RNAV 1
070	TF	TAPPA	-	195°(194.5°)	+0.58	12.1	-	-	-	-	RNAV 1
080	TF	WOCAL	-	195°(194.5°)	+0.58	5.0	-	+4000	-	-	RNAV 1
090	VM	-	-	195°( - )	+0.58	-	-	-	-	-	RNAV 1

## **STANDARD ARRIVAL CHART-INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)**  
**RNAV RWY01L/01R**

DOLNI3D EASTE3D  
LEBIM3D NORTA3D WILLA3D

## TABULAR DESCRIPTION (5)

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
<b>WILLA3D</b>											
TRANSITION IGO NI FROM L507											
010	IF	IGONI	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	105°(104.3°)	+0.58	9.1	-	-FL220	-280	-	RNAV 1
TRANSITION TARED FROM G463/P646											
010	IF	TARED	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	094°(093.7°)	+0.58	31.2	-	-FL220	-280	-	RNAV 1
TRANSITION IBETO FROM L524											
010	IF	IBETO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	068°(067.4°)	+0.58	35.6	-	-FL220	-280	-	RNAV 1
TRANSITION PASTO FROM L301											
010	IF	PASTO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	054°(053.4°)	+0.58	40.5	-	-FL220	-280	-	RNAV 1
TRANSITION BONVO FROM M502											
010	IF	BONVO	-	-	+0.58	-	-	-	-	-	RNAV 1
020	TF	WILLA	-	024°(023.0°)	+0.58	43.4	-	-FL220	-280	-	RNAV 1
010	IF	WILLA	-	-	+0.58	-	-	-FL220	-280	-	RNAV 1
020	TF	NIMEG	-	105°(104.4°)	+0.58	11.5	-	-	-	-	RNAV 1
030	TF	ISDEX	-	105°(104.4°)	+0.58	17.5	-	-	-	-	RNAV 1
040	TF	BS408	-	105°(104.5°)	+0.58	12.4	R	+FL160	-	-	RNAV 1
050	TF	BS406	-	174°(173.8°)	+0.58	7.5	R	-	-250	-	RNAV 1
060	TF	BS404	-	195°(194.5°)	+0.58	11.4	-	+11000	-	-	RNAV 1
070	TF	BS402	-	195°(194.5°)	+0.58	13.3	-	-9000 ; +7000	-220	-	RNAV 1
080	TF	TAPPA	-	195°(194.5°)	+0.58	12.1	-	-	-	-	RNAV 1
090	TF	WO CAL	-	195°(194.5°)	+0.58	5.0	-	+4000	-	-	RNAV 1
100	VM	-	-	195° (- )	+0.58	-	-	-	-	-	RNAV 1

**STANDARD ARRIVAL CHART-  
INSTRUMENT (STAR) - ICAO**

**BANGKOK/Suvarnabhumi Intl (VTBS)  
RNAV RWY01L/01R**

DOLNI3D EASTE3D  
LEBIM3D NORTA3D WILLA3D

**WAYPOINT LIST**

<b>RNAV RWY01L/01R</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
ALBOS	14° 44' 41.70" N 101° 01' 41.90" E
ALEM	12° 36' 25.55" N 101° 25' 59.92" E
BATOK	13° 56' 06.00" N 101° 53' 53.60" E
BEATS	13° 21' 51.18" N 101° 01' 12.46" E
BONVO	13° 44' 10.47" N 099° 46' 06.72" E
BS401	13° 33' 51.29" N 100° 48' 45.37" E
BS402	13° 42' 30.15" N 100° 39' 23.08" E
BS403	13° 32' 02.02" N 100° 55' 42.15" E
BS404	13° 55' 24.52" N 100° 42' 47.93" E
BS405	13° 25' 04.96" N 100° 53' 48.04" E
BS406	14° 06' 26.65" N 100° 45' 43.48" E
BS407	13° 59' 21.04" N 100° 55' 45.03" E
BS408	14° 13' 54.95" N 100° 44' 53.56" E
BUT	12° 40' 00.02" N 101° 00' 01.71" E
DABTA	14° 11' 41.75" N 101° 09' 29.56" E
DOLNI	13° 17' 39.62" N 101° 10' 48.41" E
EASTE	14° 18' 34.80" N 101° 17' 10.48" E
ENKAA	13° 23' 07.66" N 100° 45' 49.41" E
FUNKY	13° 13' 42.70" N 100° 39' 14.72" E
GOMES	13° 24' 06.10" N 101° 35' 05.70" E
GUTSO	12° 48' 19.94" N 100° 34' 54.30" E
HOTEL	13° 00' 06.20" N 100° 19' 48.30" E

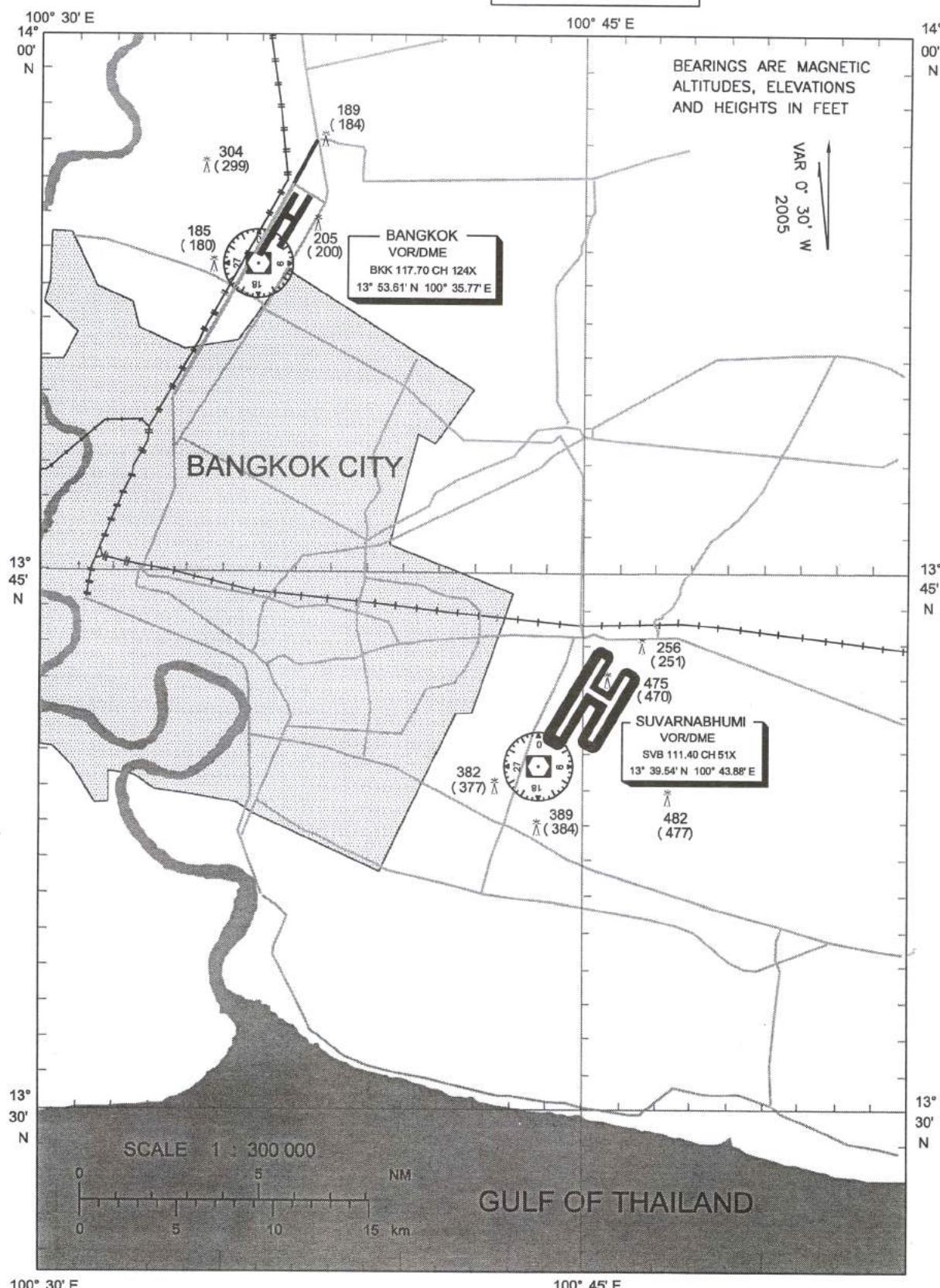
<b>RNAV RWY01L/01R</b>	
<b>Waypoint Identifier</b>	<b>Coordinates</b>
IBETO	14° 10' 36.14" N 099° 29' 45.68" E
IGONI	14° 26' 32.73" N 099° 54' 30.29" E
IRTIS	14° 26' 19.82" N 100° 43' 30.68" E
ISDEX	14° 17' 02.47" N 100° 32' 29.78" E
LATIN	13° 39' 43.82" N 100° 50' 21.89" E
LEBIM	13° 05' 14.81" N 100° 28' 24.51" E
NIMEG	14° 21' 24.76" N 100° 15' 04.64" E
NOBER	15° 16' 35.60" N 100° 40' 06.00" E
NORTA	14° 43' 07.64" N 100° 38' 20.46" E
PASTO	14° 00' 04.50" N 099° 30' 06.94" E
RUKSA	14° 33' 51.00" N 101° 55' 12.34" E
RYN	12° 46' 48.30" N 101° 40' 41.70" E
SALSA	13° 27' 58.73" N 100° 47' 08.94" E
SANJO	13° 37' 54.54" N 100° 57' 18.72" E
SEMBO	14° 53' 59.16" N 100° 15' 47.92" E
SURMA	11° 51' 22.45" N 100° 26' 32.65" E
TAPPA	13° 30' 43.35" N 100° 36' 16.52" E
TARED	14° 26' 19.52" N 099° 31' 28.87" E
TL	15° 16' 33.45" N 100° 17' 51.11" E
UBLOD	14° 37' 15.43" N 101° 26' 11.66" E
WILLA	14° 24' 16.98" N 100° 03' 35.36" E
WOCAL	13° 25' 51.57" N 100° 34' 59.62" E

VISUAL  
APPROACH  
CHART-ICAO

AD ELEV 5 FT (1.4 M)  
HEIGHTS RELATED  
TO AD ELEV

APP	: 122.35 , 257.6
	: 124.35 , 262.5
	: 125.2 , 259.6
ARR	: 124.7
TWR	: 118.2 , 119.0 , 274.5
ATIS	: 127.8 , 278.6

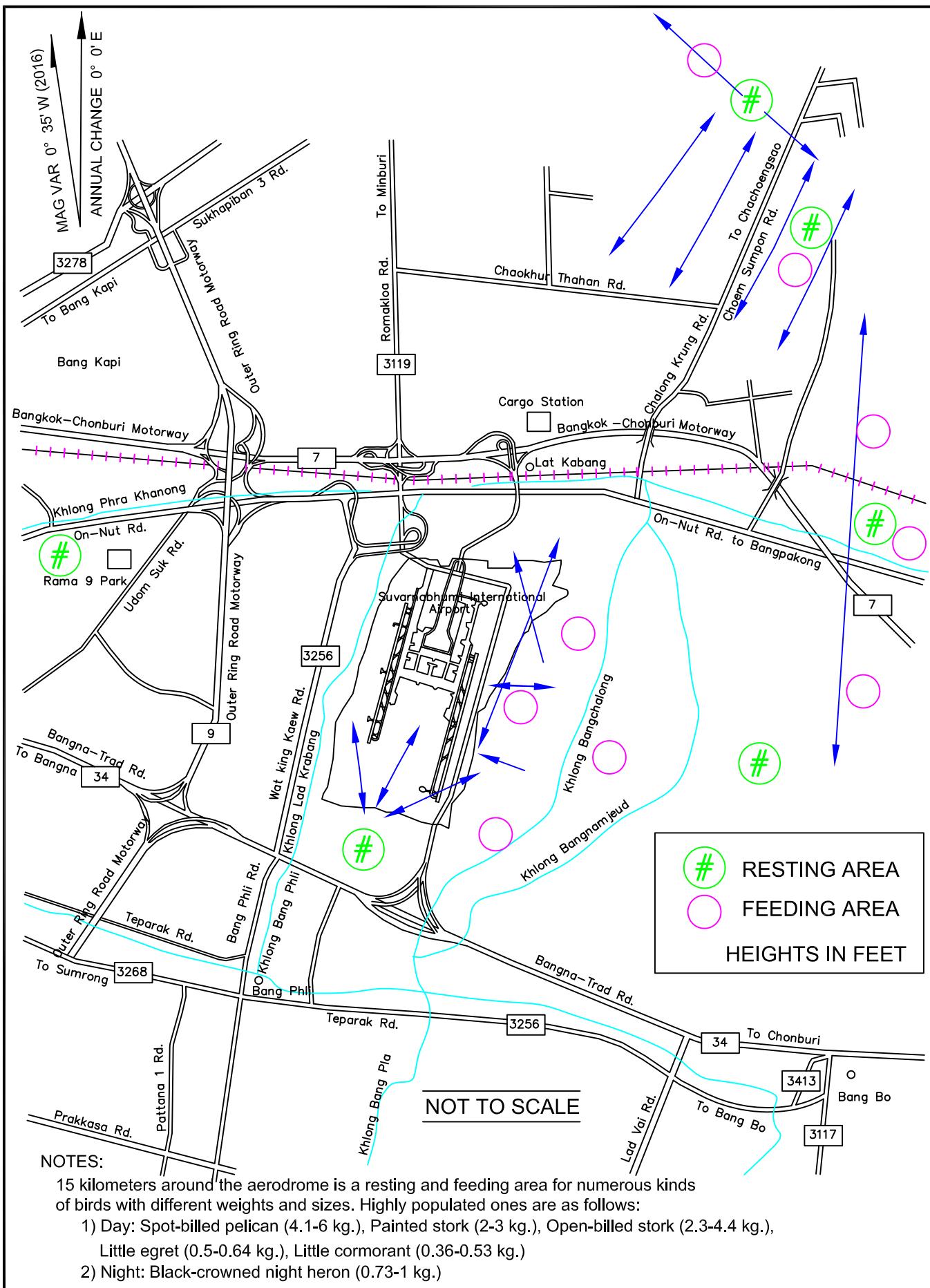
BANGKOK /  
Suvarnabhumi INTL



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## BIRD CONCENTRATIONS - BANGKOK / SUVARNABHUMI INTERNATIONAL



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