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ENR 1.10 FLIGHT PLANNING

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1.   Procedures for the submission of a flight plan

Flight plans must be submitted for international and domestic operations.The requirements of Flight plan are as follows

1.1   Submission of a flight plan

Aircraft departing, the flight plan shall be submitted as follows:

a) Civilian aircraft, the flight plan shall be submitted to FDMC, ARO at the aerodrome of departure or designated ARO. During flight, transmitted to the appropriate air traffic services unit at the airport; and
b) Military and official aircraft, the flight plan shall be submitted to Base Operations or ARO at the aerodrome of departure.
c) Aircraft departing from the aerodrome supervised by Airport of Thailand Public Company Limited, the flight plan shall be submitted to Aerodrome Aeronautical Information Services Unit at the airports.
d) Aircraft departing from the aerodrome supervised by Department of Airports, Ministry of Transport, the flight plan shall be submitted to ATC units authority.
e) Aircraft departing from military aerodrome, the flight plan shall be submitted to Base Operations.
f) Aircraft departing from aerodrome other than 1, 2, 3, and 4 above, the flight plan shall be submitted to control tower of the nearest aerodrome.

1.2   The flight plan shall be submitted by pilot-in-command or designated representative, at least 1 hour prior to the estimated time of departure.

1.3   In the event of a delay of thirty (30) minutes in excess of the estimated off-block for a controlled flight or a delay of one-hour for an uncontrolled flight, the flight plan shall be automatically cancelled, unless the estimated time of departure is revised by notification of pilot-in-command or designated representative.

1.4   The pilot-in-command or designated representative shall use the ICAO flight plan form.

1.5   The international and domestic flight through intermediate stop(s) shall file separate flight plans for each state of flights at the aerodrome of first departure.

1.6   For Flights into areas for which ATFM measures have been established, Flight Plan shall be filed not later than 3 hours prior to the estimated off block time (EOBT).

1.7   The altitude of VFR flight departing aerodrome shall be given in field 15 of ICAO flight plan form.

2.   As the compliance to the use of Mach Number Technique to reduce longitudinal separation to 10 minutes between turbojet aircraft using INS or VLF-OMEGA which have been certified as meeting the operate standard specified in Z the Australian manual of operate standard section 1, aircraft meeting this standard shall indicate in the ICAO FPL field 18 as NAV/AUSEP. Due to the implementation of the flight data proceed system at Bangkok ACC which does not read field 18 of the ICAO FPL, thus all aircraft entering Bangkok FIR/AOR on all route segments where Mach Number Technique applied are requested to add "Z" after COM/NAV equipment in field 10 of the ICAO FPL in addition to NAV/AUSEP in field 18.

3.   Flight Data Management Centre (FDMC)

Flight Data Management Centre (FDMC) has been established to centralized flight plan and distribution service under Aeronautical Radio of Thailand Ltd. The Services cover all Air Traffic Services within Bangkok Flight Information Region (FIR).

3.1   Flight Plan Filing and Flight Plan Associated Messages with FDMC.

Flight Plans and flight plan associated message filed directly with FDMC will be checked by FDMC as regards syntax format and route structure. The route data outside the Bangkok FIR are not subject to verification. The originator will be informed of the successful processing of Flight plans and Flight plan associated message within FDMC by an Acknowledgement Message ("ACK" message). If not, they will be returned to the originator to be corrected receipt of the message ("REJ" Reject message).

3.2   The flight plan originator is responsible for

a) Complete and correct data.
b) The originator will be informed of the successful processing of flight plan and flight plan associated messages within FDMC by an Acknowledgement Message (ACK message).
c) Checking Flight Plan ensure receipt of the message at FDMC Terminal. FDMC will be informed Acceptance Flight plan list.

3.3   Flight Plans, which cannot be processed by FDMC or not follow ICAO FPL format, will be returned to the originator to be corrected according to REJECT message (REJ) sending automatically from FDMC system.

4.   Flight planning and operating procedure implemented in Bangkok FIR.

The implementation of RNAV 2 routes in Bangkok FIR, the defined navigation criteria is GNSS. Flight planning and operating procedure are as follows:

- Aircraft unable to meet the navigation requirements for RNAV2 (GNSS) specification shall not file flight plan on RNAV 2 routes.
- Aircraft meeting RNAV 2 navigation requirements shall indicate /R in Item10a of the ICAO Flight Plan or indicate /R in Item10a and indicate PBN/ C1 or C2 in Item18.
- Pilots must advise ATC of any deterioration or failure of navigation systems for RNAV 2 capability.
- ATC shall then provide alternative separation and / or routing.

4.1 Implementation of uni-directional routes for flights operating in the south sectors of Bangkok FIR.

To enhance safety and efficiency of traffic flow in the south sectors of Bangkok FIR, For RNAV2 routes as follows;

- Y8 for southbound traffic to VTSP, VTSG, VTST, VTSB, VTSR, VTSE
- Y99 for northbound traffic to VTBD, BKK...
- Y96 for northbound traffic to VTBD
- Y98 for northbound traffic to VTBS
- Y17/W99 for northbound traffic from VTSM
- Y95 for traffic to or from VTSM (Bi-directional route)

4.1.1 Flights departing from/arriving VTSP

a) RNAV2 approved aircraft

Flight plan for RNAV2 approved aircraft on the following city-pairs shall be filed as follows:

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSP	SABIS Y8 SAVSA
2	Overfly BKK*	VTSP	[…] BKK Y8 SAVSA
3	Overfly REGOS*	VTSP	[…] REGOS W42 MENEX Y8 SAVSA
4	Overfly SAKDA*	VTSP	[…] SAKDA R575 SMU W32 STN Y8 SAVSA
5	VTSP	VTBS	EMRIT Y99 NONEL Y98 LEBIM
6	VTSP	VTBD	EMRIT Y99 HOTEL DCT SABAI
7	VTSP	Overfly BKK*	EMRIT Y99 BKK […]
8	VTSP	Overfly REGOS*	EMRIT Y99 NONEL Y98 SURMA W42 REGOS […]
9	VTSP	Overfly SAKDA*	ONETI R575 SAKDA […]
10	VTSP	VTBU	EMRIT Y99 NONEL Y98 SURMA W42 ASEKU DCT BUT
11	VTBU	VTSP	BUT DCT ASEKU W42 MENEX Y8
12	VTSP	VTSB	SAVSA G458 LAMUL
13	VTSB	VTSP	LAMUL Y8 SAVSA

*Overfly (waypoint) refers to flights departing from or arriving to other airports, overflying the waypoint mentioned.

Note: When VTD 59 is inactive, conditional route Y5 is available subject to Airspace Use Plan (AUP) published in www.thaicmac.aerothai.aero, aircraft may also file these routings:

	FROM	TO	ROUTE
1	VTSP	VTBD	IGEVI Y5 EGUBO Y99 HOTEL DCT SABAI
2	VTSP	Overfly BKK*	IGEVI Y5 EGUBO Y99 BKK[…]

*Overfly (waypoint) refers to flights departing from or arriving to other airports, overflying the waypoint mentioned.

b) Non-RNAV2 approved aircraft

Flight plan for non-RNAV2 approved aircraft on G458 with the following city-pairs shall be filed as follows, and at FL240 or below.

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSP	UKERA G458 SAVSA

	FROM	TO	ROUTE
2	Overfly BKK*	VTSP	[…] BKK G458 SAVSA
3	Overfly REGOS*	VTSP	[…] REGOS W42 MENEX G458 SAVSA
4	VTSP	VTBS	SAVSA G458 HOTEL DCT LEBIM
5	VTSP	VTBD	SAVSA G458 HOTEL DCT SABAI
6	VTSP	Overfly BKK*	SAVSA G458 BKK […]
7	VTSP	Overfly REGOS*	SAVSA G458 MENEX W42 REGOS […]
8	VTSP	VTBU	SAVSA G458 MENEX W42 ASEKU DCT BUT
9	VTBU	VTSP	BUT DCT ASEKU W42 MENEX G458 SAVSA
10	VTSP	VTSB	SAVSA G458 LAMUL
11	VTSB	VTSP	LAMUL G458 SAVSA

*Overfly (waypoint) refers to flights departing from or arriving other airports, overflying the waypoint mentioned.

4.1.2   Flights overflying PUT

a) RNAV2 approved aircraft

Flight plan for RNAV2 approved aircraft overflying PUT shall be filed as follows:

	FROM	TO	ROUTE
1	VTBD/VTBS	Overfly PUT*	SABIS Y8 PUT […]
2	Overfly BKK	Overfly PUT	[…] BKK Y8 PUT […]
3	Overfly REGOS*	Overfly PUT	[…] REGOS W42 MENEX Y8 PUT […]
4	Overfly PUT*	VTBS	[…] PUT Y99 NONEL Y98 LEBIM
5	Overfly PUT	VTBD	[…] PUT Y99 HOTEL DCT SABAI
6	Overfly PUT	Overfly BKK	[…] PUT Y99 BKK […]
7	Overfly PUT	Overfly REGOS	[…] PUT Y99 NONEL Y98 SURMA W42 REGOS […]

*Overfly (waypoint) refers to flights departing from or arriving other airports, overflying the waypoint mentioned.

b) Non-RNAV2 approved aircraft

Flight plan for non-RNAV2 approved aircraft overflying PUT on G458 shall be filed as follows, and at FL240 or below.

	FROM	TO	ROUTE
1	VTBD/VTBS	Overfly PUT*	UKERA G458 PUT […]
2	Overfly BKK	Overfly PUT	[…] BKK G458 PUT […]
3	Overfly REGOS*	Overfly PUT	[…] REGOS W42 MENEX G458 PUT […]
4	Overfly PUT*	VTBS	[…] SAVSA G458 HOTEL DCT LEBIM
5	Overfly PUT	VTBD	[…] SAVSA G458 HOTEL DCT SABAI
6	Overfly PUT	Overfly BKK*	[…] PUT G458 BKK […]
7	Overfly PUT*	Overfly REGOS	[…] PUT G458 MENEX W42 REGOS […]

*Overfly (waypoint) refers to flights departing from or arriving other airports, overflying the waypoint mentioned.

4.1.3   Flights departing from/arriving VTSB, VTSG and VTST

    a) RNAV2 approved aircraft

    Flight plan for RNAV2 approved aircraft with the following city-pairs shall be filed as follows:

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSB	SABIS Y8 IKERA
		VTSG	SABIS Y8 STN W32 NULMA
		VTST	SABIS Y8 STN W24 TRN
2	Overfly BKK*	VTSB	[…] BKK Y8 IKERA
		VTSG	[…] BKK Y8 STN W32 NULMA
		VTST	[…] BKK Y8 STN W24 TRN
3	Overfly REGOS*	VTSB	[…] REGOS W42 MENEX Y8 IKERA
		VTSG	[…] REGOS W42 MENEX Y8 STN W32 NULMA
		VTST	[…] REGOS W42 MENEX Y8 STN W24 TRN
4	VTSB	VTBS	NIXET Y99 NONEL Y98 LEBIM
	VTSG		OSPEX Y99 NONEL Y98 LEBIM
	VTST		TRN W24 BITEN Y99 NONEL Y98 LEBIM
5	VTSB	VTBD	NIXET Y99 HOTEL DCT SABAI
	VTSG		OSPEX Y99 HOTEL DCT SABAI
	VTST		TRN W24 BITEN Y99 HOTEL DCT SABAI
6	VTSB	Overfly BKK*	NIXET Y99 BKK […]
	VTSG		OSPEX Y99 BKK […]
	VTST		TRN W24 BITEN Y99 BKK […]
7	VTSB	Overfly REGOS*	NIXET Y99 NONEL Y98 SURMA W42 REGOS […]
	VTSG		OSPEX Y99 NONEL Y98 SURMA W42 REGOS […]
	VTST		TRN W24 BITEN Y99 NONEL Y98 SURMA W42 REGOS […]

*Overfly (waypoint) refers to flights departing from or arriving other airports, overflying the waypoint mentioned.

    b) Non-RNAV2 approved aircraft

    Flight plan for non-RNAV2 approved aircraft with the following city-pairs on G458 shall be filed as follows, and at FL240 or below.

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSB	UKERA G458 IKERA
		VTSG	UKERA G458 STN W32 NULMA
		VTST	UKERA G458 STN W24 TRN
2	Overfly BKK*	VTSB	[…] BKK G458 IKERA
		VTSG	[…] BKK G458 STN W32 NULMA
		VTST	[…] BKK G458 STN W32 NULMA
3	Overfly REGOS*	VTSB	[…] REGOS W42 MENEX G458 IKERA
		VTSG	[…] REGOS W42 MENEX G458 STN W32 NULMA
		VTST	[…] REGOS W42 MENEX G458 STN W24 TRN

	FROM	TO	ROUTE
4	VTSB		IKERA G458 HOTEL DCT LEBIM
	VTSG	VTBS	SARER W32 STN G458 HOTEL DCT LEBIM
	VTST		TRN W24 STN G458 HOTEL DCT LEBIM
5	VTSB		IKERA G458 HOTEL DCT SABAI
	VTSG	VTBD	SARER W32 STN G458 HOTEL DCT SABAI
	VTST		TRN W24 STN G458 HOTEL DCT SABAI
6	VTSB		IKERA G458 BKK [...]
	VTSG	Overfly BKK*	SARER W32 STN G458 BKK […]
	VTST		TRN W24 STN G458 BKK […]
7	VTSB		IKERA G458 MENEX W42 REGOS [...]
	VTSG	Overfly REGOS*	SARER W32 STN G458 MENEX W42 REGOS […]
	VTST		TRN W24 STN G458 MENEX W42 REGOS […]

*Overfly (waypoint) refers to flights departing from or arriving to other airports, overflying the waypoint mentioned.

4.1.4 Flights departing from/arriving to VTSF

    a) RNAV2 approved aircraft

    Flight plan for RNAV2 approved aircraft departing from/arriving to VTSF shall be filed as follows:

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSF	KASNI M757 LOSDA Y94 NKS
2	VTSF	VTBD	NKS Y94 DOXAS M769 GOKEX Y96 EMTIX Y99 HOTEL DCT SABAI
3	VTSF	VTBS	NKS Y94 DOXAS M769 LEBIM
4	Overfly BKK*	VTSF	[…] BKK M757 LOSDA Y94 NKS

*Overfly (waypoint) refers to flights departing from or arriving to other airports, overflying the waypoint mentioned.

Note: *When VTD 60 is inactive, conditional route W35 is available, subject to Airspace Use Plan (AUP) published in www.thaicmac.aerothai.aero aircraft may also file these routings:*

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSF	KASNI M757 MABKO W33 UPNEP W35 NKS
2	Overfly BKK*	VTSF	[…] BKK M757 MABKO W33 UPNEP W35 NKS
3	VTSF	VTBS	NKS W35 PINUN M769 LEBIM
4	VTSF	VTBD	NKS W35 PINUN M769 GOKEX Y96 EMTIX Y99 HOTEL DCT SABAI
5	VTSF	Overfly BKK*	NKS W35 PINUN M769 BKK […]

*Overfly (waypoint) refers to flights departing from or arriving to other airports, overflying the waypoint mentioned.

    b) Non-RNAV2 approved aircraft

    Flight plan for non-RNAV2 approved aircraft departing from/arriving to VTSF shall be filed as follows, and at FL260 or below.

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSF	REGOS A464 GUPMO W94 NKS

	FROM	TO	ROUTE
2	Overfly BKK*	VTSF	[…] BKK A464 GUPMO W94 NKS
3	VTSF	VTBS	NKS W94 GUPMO A464 GUTSO DCT LEBIM
4	VTSF	VTBD	NKS W94 GUPMO A464 GUTSO DCT SABAI
5	VTSF	Overfly BKK*	NKS W94 GUPMO A464 […]

*Overfly BKK refers to flights departing from or arriving to other airports, overflying BKK.

Note: *When VTD 60 is inactive, conditional route W35 is available, subject to Airspace Use Plan (AUP) published in www.thaicmac.aerothai.aero aircraft may also file these routings:*

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSF	REGOS A464 UPNEP W35 NKS
2	VTSF	VTBD	NKS W35 UPNEP A464 GUTSO DCT SABAI
3	VTSF	VTBS	NKS W35 UPNEP A464 GUTSO DCT LEBIM
4	Overfly BKK*	VTSF	[…] BKK A464 UPNEP W35 NKS
5	VTSF	Overfly BKK*	NKS W35 UPNEP A464 BKK […]

4.1.5   Flights departing from/arriving to VTSM

      a) RNAV2 approved aircraft

Flight plan for RNAV2 approved aircraft departing from/arriving to VTSM shall be filed as follows:

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSM	KASNI M757 MABKO W33 SMU
2	Overfly BKK*	VTSM	[…] BKK M757 MABKO W33 SMU
3	Overfly RYN*	VTSM	[…] RYN W42 ASEKU M757 MABKO W33 SMU
4	VTSM	VTBD	SMU Y17 DONSI M769 GOKEX Y96 EMTIX Y99 HOTEL DCT SABAI
5	VTSM	VTBS	SMU Y17 DONSI M769 LEBIM
6	VTSM	Overfly BKK*	SMU Y17 DONSI M769 BKK […]
7	VTSM	Overfly RYN*	SMU Y17 DONSI M769 SURMA W42 RYN […]
8	VTSM	VTSP	SMU W32 STN Y8 SAVSA
9	VTSP	VTSM	EMRIT Y99 AKVUG Y93 SMU
10	VTSM	VTSG	SMU W32 NULMA
11	VTSG	VTSM	OSPEX Y99 AKVUG Y93 SMU
12	VTSM	Overfly KADAX	SMU Y95 IKOGA M626 KADAX
13	Overfly KADAX*	VTSM	[…] KADAX M626 IKOGA Y95 SMU
14	VTSM	Overfly KARMI*	SMU Y95 LOSDA M757 KARMI
15	Overfly RIGTO*	VTSM	[…] RIGTO M769 RIPMU Y95 SMU
16	VTSM	VTBU	SMU Y17 DONSI M769 SURMA W42 ASEKU DCT BUT
17	VTBU	VTSM	BUT DCT ASEKU M757 MABKO W33 SMU
18	VTSM	VTPH	SMU Y17 DONSI M769 GOKEX DCT HHN
19	VTPH	VTSM	HHN DCT ASEKU M757 MABKO W33 SMU

*Overfly (waypoint) refers to flights departing from or arriving to other airports, overflying the waypoint mentioned.

Note: When VT D60 is inactive, conditional route W32 and W33 are available subject to AUP published in www.thaicmac.aerothai.aero, flight plan shall be filed as follows:

	FROM	TO	ROUTE
1	VTBS/VTBD	VTSM	KASNI M757 MABKO W33 SMU
2	Overfly BKK*	VTSM	[…] BKK M757 MABKO W33 SMU
3	VTSM	Overfly BKK*	SMU W32 GOKEX M769 BKK […]
4	VTSM	VTBS	SMU W32 GOKEX M769 LEBIM
5	VTSM	VTBD	SMU W32 GOKEX Y96 EMTIX Y99 HOTEL DCT SABAI
6	VTBU	VTSM	BUT DCT ASEKU M757 MABKO W33 SMU
7	VTSM	VTBU	SMU Y17 DONSI M769 SURMA W42 ASEKU DCT BUT
8	VTSP	VTSM	ONETI W33 SMU
9	VTSM	VTSP	SMU W32 STN Y8 SAVSA

*Overfly BKK refers to flights departing from or arriving to other airports, overflying BKK.

b) Non-RNAV2 approved aircraft

Flight plan for non-RNAV2 approved aircraft departing from/arriving to VTSM on A464 shall be filed as follows, and at FL260 or below.

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSM	REGOS A464 UPNEP W33 SMU
2	Overfly BKK*	VTSM	[…] BKK A464 UPNEP W33 SMU
3	Overfly RYN*	VTSM	[…] RYN W42 REGOS A464 UPNEP W33 SMU
4	VTSM	VTBD	SMU W99 TUSPU A464 GUTSO DCT SABAI
5	VTSM	VTBS	SMU W99 TUSPU A464 GUTSO DCT LEBIM
6	VTSM	Overfly BKK*	SMU W99 TUSPU A464 BKK […]
7	VTSM	VTSP	SMU W32 STN G458 SAVSA
8	VTSP	VTSM	SAVSA G458 STN W32 SMU
9	VTSM	VTSG	SMU W32 NULMA
10	VTSG	VTSM	KBI W32 SMU
11	VTSM	Overfly KARMI*	SMU DCT APOBI A464 KARMI […]
12	Overfly HTY*	VTSM	[…] HTY A464 APOBI DCT SMU
13	VTSM	VTBU	SMU W99 TUSPU A464 REGOS W42 ASEKU DCT BUT
14	VTBU	VTSM	BUT DCT ASEKU W42 REGOS A464 UPNEP W33 SMU
15	VTSM	VTPH	SMU W99 APUSA DCT SUPOJ W31 HHN
16	VTPH	VTSM	HHN W31 SUPOJ DCT UPNEP W33 SMU

*Overfly (waypoint) refers to flights departing from or arriving to other airports, overflying the waypoint mentioned.

Note: When VT D60 is inactive, conditional route W32 and W33 are available subject to AUP published in www.thaicmac.aerothai.aero, flight plan shall be filed as follows:

	FROM	TO	ROUTE
1	VTBS/VTBD	VTSM	REGOS A464 UPNEP W33 SMU
2	Overfly BKK	VTSM	[…] BKK A464 UPNEP W33 SMU

	FROM	TO	ROUTE
3	VTSM	Overfly BKK	SMU W32 REGOS A464 BKK […]
4	VTSM	VTBD	SMU W32 REGOS A464 GUTSO DCT SABAI
5	VTSM	VTBS	SMU W32 REGOS A464 GUTSO DCT LEBIM
6	VTBU	VTSM	BUT DCT ASEKU W42 REGOS A464 UPNEP W33 SMU
7	VTSM	VTBU	SMU W32 REGOS W42 ASEKU DCT BUT
8	VTSP	VTSM	ONETI W33 SMU
9	VTSM	VTSP	SMU W32 STN G458 SAVSA
10	VTSM	VTPH	SMU W32 SUPOJ W31 HHN
11	VTPH	VTSM	HHN W31 SUPOJ W32 SMU

4.1.6   Flights departing from/arriving to VTSE and VTSR

   a) RNAV2 approved aircraft

   Flight plan for RNAV2 approved aircraft departing from/arriving to VTSE or VTSR shall be filed as follows:

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSE	SABIS Y8 MENEX W34 CPN
2	VTSE	VTBD	CPN W34 MENEX W42 EGUBO Y99 HOTEL DCT SABAI
3	VTSE	VTBS	CPN W34 MENEX W42 SURMA Y98 LEBIM
4	VTBD/VTBS	VTSR	SABIS Y8 MENEX W34 RAN
5	VTSR	VTBD	RAN W34 MENEX W42 EGUBO Y99 HOTEL DCT SABAI
6	VTSR	VTBS	RAN W34 MENEX W42 SURMA Y98 LEBIM

   b) Non-RNAV2 approved aircraft

   Flight plan for non-RNAV2 approved aircraft departing from/arriving to VTSE or VTSR on G458 shall be filed as follows, and at FL240 or below.

	FROM	TO	ROUTE
1	VTBD/VTBS	VTSE	UKERA G458 MENEX W34 CPN
2	VTSE	VTBD	CPN W34 MENEX G458 HOTEL DCT SABAI
3	VTSE	VTBS	CPN W34 MENEX G458 HOTEL DCT LEBIM
4	VTBD/VTBS	VTSR	UKERA G458 MENEX W34 RAN
5	VTSR	VTBD	RAN W34 MENEX G458 HOTEL DCT SABAI
6	VTSR	VTBS	RAN W34 MENEX G458 HOTEL DCT LEBIM

4.1.7   Flights from Kuala Lumpur FIR via M769 to VTBD, VTBS or BKK […] and Flights from VTSS or VTSC to VTBD, VTBS or BKK […]

   a) RNAV2 approved aircraft

   Flight plan for RNAV2 approved aircraft from Kuala Lumpur FIR via M769 to VTBD, VTBS or BKK…/ Flights from VTSS or VTSC to VTBD, VTBS or BKK… shall be filed as follows:

	FROM	TO	ROUTE
1	Overfly RIGTO*	VTBD	[…] RIGTO M769 GOKEX Y96 EMTIX Y99 HOTEL DCT SA-BAI
2	Overfly RIGTO*	VTBS	[…] RIGTO M769 LEBIM

	FROM	TO	ROUTE
3	Overfly RIGTO*	Overfly BKK*	[…] RIGTO M769 BKK […]
4	VTSS	VTBD	HTY Y9 DANDO M769 GOKEX Y96 EMTIX Y99 HOTEL DCT SABAI
5	VTSS	VTBS	HTY Y9 DANDO M769 LEBIM
6	VTSS	Overfly BKK*	HTY Y9 DANDO M769 BKK […]
7	VTSC	VTBD	NTW W19 UPNEP M626 SORTO M769 GOKEX Y96 EMTIX Y99 HOTEL DCT SABAI
8	VTSC	VTBS	NTW W19 UPNEP M626 SORTO M769 LEBIM

*Overfly (waypoint) refers to flights departing from or arriving to other airports, overflying the waypoint mentioned.

b) Non-RNAV2 approved aircraft

Flight plan for non-RNAV2 approved aircraft from Kuala Lumpur FIR via M769 to VTBD, VTBS or BKK…/ Flights from VTSS or VTSC on A464 to VTBD, VTBS or BKK… shall be filed as follows, and at FL260 or below.

	FROM	TO	ROUTE
1	Overfly HTY*	VTBD	[…] HTY A464 GUTSO DCT SABAI
2	Overfly HTY*	VTBS	[…] HTY A464 GUTSO DCT LEBIM
3	Overfly HTY*	Overfly BKK*	[…] HTY A464 BKK […]
4	VTSS	VTBD	HTY A464 GUTSO DCT SABAI
5	VTSS	VTBS	HTY A464 GUTSO DCT LEBIM
6	VTSS	Overfly BKK*	HTY A464 BKK […]
7	VTSC	VTBD	NTW W19 DCT SABAI
8	VTSC	VTBS	NTW W19 DCT LEBIM

*Overfly (waypoint) refers to flights departing from or arriving to other airports, overflying the waypoint mentioned.

4.2   Operating and flight planning procedures for Uni-directional air traffic flow on ATS routes A1, A202, A464, B579, L524, L877, L301, M502, M644, M751, M904, R325, W1, W42, W38, Y1, Y2, Y11, Y12, Y13, Y14, Y15 and Y16

4.2.1   Operating procedures

ATS routes	Direction	FL Allocation	Remark
A464	Bi-directional	-	- Between BKK-CMA (VICE VERSA) available for flight planning at FL280 and below - Between BKK-HTY (VICE VERSA) available for flight planning at FL260 and below
B579	Eastbound	Odd	from Bangkok FIR to Kuala Lumpur FIR
L524 (between KAMKO and BKK)	Eastbound	Odd	See note (3)
L877	Eastbound	Odd	Available for aircraft destination VTBD or VTBS only
L301 (between DWI and BKK)	Bi-directional(1)	-	- Available for overfly BKK DVOR (Bidirectional) and departing aircraft from VTBD or VTBS (Westbound)
M502 (between AKATO and BKK)	Bi-directional(2)	-	- Eastbound aircraft destination VTBD or VTBS shall file DWI L877 MIGAR L524 on flight plan
W1 (between BKK and KRT)	Westbound	Even	Eastbound available for aircraft operating at FL130 or below

ATS routes	Direction	FL Allocation	Remark
Y13	Westbound	Even	Available for aircraft destination VTBS only
R325	Westbound	Even	from Kuala Lumpur FIR to Bangkok FIR

Note: (1)Eastbound aircraft operating on L301 destined for VTBD or VTBS shall file DWI L877 MIGAR L524 IBETO on flight plan.

(2) Eastbound aircraft operating on M502 destined for VTBD or VTBS shall file LALIT P762 DWI L877 MIGAR L524 IBETO on flight plan.

(3) Westbound aircraft on L301 intend to operate on L524 after KAMKO shall file DWI M506 KAMKO on flight plan.

4.2.2   Flight planning procedures for RNAV capable aircraft

4.2.2.1   Flight planning procedure for RNAV capable aircraft departing and arriving VTBD, VTBS and overfly BKK

Departure / Overfly	Routing	Destination / Overfly
VTBD/VTBS/BKK	Y16 BUTRA A1	e.g. VHHH, RJ.., RC.., RK…
VTBD/VTBS/BKK	A1 SANOT Y15 GUROK A202	e.g. VHHH, VMMC
VTBD/VTBS/BKK	A1	VTUU
VTBD/VTBS/BKK	A1 SELKA Y14 KRT W6 KKN W6/W5	VTUN/VTUK/VTUD/VTUI/VTUW
VTBD/VTBS/BKK	A1 TOPER W42 RAMEI W38	VTUV
VTBD/VTBS/BKK	A1 TOPER W42 RAMEI W38	VTUO
VTBD/VTBS/BKK	L301 DWI M506 KAMKO L524	Westbound (traffic joining L524)
VTBD/VTBS	KIGOB Y11 GOLUD M751 VKB or KIGOB M904 PIDEL Y11 GOLUD M751 VKB or RYN M644 VKB (In case of VT D71 active)	-

Departure / Overfly	Routing	Destination / Overfly
e.g. VHHH, VMMC	A202 RAMEI W1 UBLOD DCT ENDUU	VTBD
e.g. VHHH, VMMC	A202 RAMEI W1	Overfly BKK
e.g. VHHH, VMMC	A202 RAMEI W42 PAKRI Y13 RUKSA DCT EASTE	VTBS
VTUU	W1 UBLOD DCT ENDUU	VTBD
VTUU	W1	Overfly BKK
VTUU	W1 GRASO Y13 RUKSA DCT EASTE	VTBS
VTUN/VTUK/VTUD/VTUI/VTUW	W5/W6 KKN W6 KRT W1 UBLOD DCT ENDUU	VTBD
VTUN/VTUK/VTUD/VTUI/VTUW	W5/W6 KKN W6 KRT W1	Overfly BKK
VTUN/VTUK/VTUD/VTUI/VTUW	W5/W6 KKN W6 KRT W1 UBLOD DCT EASTE	VTBS
VTUV	W38 RAMEI W1 UBLOD DCT ENDUU	VTBD
VTUV	W38 RAMEI W1	Overfly BKK
VTUV	W38 RAMEI W42 PAKRI Y13 RUKSA DCT EASTE	VTBS
VTUO	W38 RAMEI W1 UBLOD DCT ENDUU	VTBD
VTUO	W38 RAMEI W1	Overfly BKK
VTUO	W38 RAMEI W42 PAKRI Y13 RUKSA DCT EASTE	VTBS

Departure / Overfly	Routing	Destination / Overfly
VTUD	Y1 UBLOD DCT ENDUU	VTBD
	Y1 UBLOD W1	Overfly BKK
	Y1 UBLOD DCT EASTE	VTBS
VTUK	Y2 UBLOD DCT ENDUU	VTBD
	Y2 UBLOD W1	Overfly BKK
	Y2 UBLOD DCT EASTE	VTBS
-	L301 DWI L877 MIGAR L524 IBETO DCT WEHHA	VTBD
-	M502 LALIT P762 DWI L877 MIGAR L524 IBETO DCT WEHHA	VTBD
-	L301 DWI L877 MIGAR L524 IBETO DCT WILLA	VTBS
-	M502 LALIT P762 DWI L877 MIGAR L524 IBETO DCT WILLA	VTBS
-	VKB M644 ALUMO Y12 ALEMI DCT SEHNA or VKB M644 RYN DCT SEHNA (In case of VT D71 active)	VTBD
-	VKB M644 ALUMO Y12 DOLNI or VKB M644 RYN N891 DOLNI (In case of VT D71 active)	VTBS

4.2.3 Flight planning procedures for Non-RNAV capable aircraft

Non-RNAV capable aircraft shall file flight plan with flight level 280 and below.

4.2.3.1 Flight planning procedures for Non-RNAV capable aircraft departing and arriving VTBD, VTBS and overfly BKK.

Departure / Overfly	Routing	Destination / Overfly
VTBD/VTBS/BKK	A1	e.g. VHHH, RJ.., RC.., RK..
VTBD/VTBS/BKK	A1 TOPER W42 RAMEI A202	e.g. VHHH, VMMC
VTBD/VTBS/BKK	A1	VTUU
VTBD/VTBS/BKK	A1 SELKA DCT KRT W6 KKN W6/W5	VTUN/VTUK/VTUD/VTUI/VTUW
	W1 KRT W6 KKN W6/W5 (1)	
VTBD/VTBS/BKK	A1 TOPER W42 RAMEI W38	VTUV
VTBD/VTBS/BKK	A1 TOPER W42 RAMEI W38	VTUO

Remark: (1) Available for aircraft operating at FL130 and below

Departure / Overfly	Routing	Destination / Overfly
e.g. VHHH, RJ.., RC.., RK..	A1 UBL W1 UBLOD DCT ENDUU	VTBD
e.g. VHHH, RJ.., RC.., RK..	A1 UBL W1 UBLOD DCT EASTE	VTBS
e.g. VHHH, RJ.., RC.., RK..	A1 UBL W1	Overfly BKK
e.g. VHHH, VMMC	A202 RAMEI W1 UBLOD DCT ENDUU	VTBD
e.g. VHHH, VMMC	A202 RAMEI W1 UBLOD DCT EASTE	VTBS
e.g. VHHH, VMMC	A202 RAMEI W1	Overfly BKK
VTUU	W1 UBLOD DCT ENDUU	VTBD
VTUU	W1 UBLOD DCT EASTE	VTBS

Departure / Overfly	Routing	Destination / Overfly
VTUU	W1	Overfly BKK
VTUN/VTUK/VTUD/ VTUI/VTUW	W5/W6 KKN W6 KRT W1 UBLOD DCT ENDUU	VTBD
VTUN/VTUK/VTUD/ VTUI/VTUW	W5/W6 KKN W6 KRT W1 UBLOD DCT EASTE	VTBS
VTUN/VTUK/VTUD/ VTUI/VTUW	W5/W6 KKN W6 KRT W1	Overfly BKK
VTUV	W38 RAMEI W1 UBLOD DCT ENDUU	VTBD
VTUV	W38 RAMEI W1 UBLOD DCT EASTE	VTBS
VTUV	W38 RAMEI W1	Overfly BKK
VTUO	W38 RAMEI W1 UBLOD DCT ENDUU	VTBD
VTUO	W38 RAMEI W1 UBLOD DCT EASTE	VTBS
VTUO	W38 RAMEI W1	Overfly BKK

4.2.4   Flight planning procedures for Uni-directional air traffic flow on ATS routes B579 and R325

Departure / Overfly	Routing	Destination / Overfly
Overfly PUT	…PUT B579 VPL…	-
-	…DUBAX R325 PUT…	Overfly PUT

4.3   Operating and flight planning procedures for RNAV 2 capable aircraft operating on ATS routes L880, M633, N506 and P629 Uni-directional air traffic flow

4.3.1   Operating procedures

ATS routes	Direction	FL Allocation	Remark
L880	Eastbound	Odd	-
M633	Westbound	Even	-
N506	South-eastbound	Odd	-
P629	North-westbound	Even	-

4.3.2   Flight planning procedures

Departure / Overfly	Routing	Destination / Overfly
VTBD/VTBS/BKK	L880	e.g. RPLL
VTBD/VTBS/BKK	N506 GOMES B204	VDSR
VTBD/VTBS/BKK	N506	e.g. VDPP, VVTS, WBSB
e.g. RPLL, VDSR, SRE	M633 DULEM DCT SEHNA	VTBD
	M633 DULEM DCT DOLNI	VTBS
	M633 MUBUS P629 BKK L507/P646/G463/Y6	Overfly BKK/Bangkok FIR
	M633 TANEK L301	
	M633 MUBUS DCT BONVO M502	

Departure / Overfly	Routing	Destination / Overfly
e.g. VDPP, VVTS, WBSB	P629 NUGPA DCT SEHNA	VTBD
	P629 DOLNI	VTBS
	P629 BKK L507/ P646/G463/Y6	Overfly BKK/Bangkok FIR
	P629 MUBUS M633 TANEK L301	
	P629 MUBUS DCT BONVO M502	

4.4   Operating and flight planning procedures for Non RNAV capable aircraft operating on G474 and R468 within Bangkok FIR and Phnom Penh FIR.

4.4.1   Operating procedures

ATS routes	Direction	FL Allocation	Remark
G474	Bi-direction	-	Available form FL250 and below
R468	Bi-direction	-	

4.4.2   Flight planning procedures

Departure / Overfly	Routing	Destination / Overfly
VTBD/VTBS/BKK	G474	e.g. RPLL
VTBD/VTBS/BKK	R468 GOMES B204	VDSR
VTBD/VTBS/BKK	R468	e.g. VDPP, VVTS, WBSB
e.g. RPLL, VDSR, SRE	G474 ANREN DCT SEHNA	VTBD
	G474 ANREN DCT DOLNI	VTBS
	G474 BKK...	Overfly BKK/Bangkok FIR
e.g. VDPP, VVTS, WBSB	R468 GOMES DCT SEHNA	VTBD
	R468 GOMES DCT DOLNI	VTBS
	R468 BKK...	Overfly BKK/Bangkok FIR

4.5   Flight planning procedures for aircraft arriving to VTBD and VTBS

To enhance ATS efficiency for automatically utilization of Air Traffic Control System, aircraft arriving to VTBD and VTBS shall file flight plan as follows:

4.5.1   Flight planning procedures for aircraft arriving to VTBD

ATS Routes	IAWP	Flight planning
M502	WEHHA	…M502 BONVO DCT WEHHA
L524	WEHHA	…L524 IBETO DCT WEHHA
G463/P646	WEHHA	…G463/P646 TARED DCT WEHHA
L507	WEHHA	…L507 IGONI DCT WEHHA
A464	NAKON	…A464 SEMBO DCT NAKON
W9/Y7	NAKON	…W9/Y7 TL DCT NAKON
B346/W21	NAKON	…B346/W21 NOBER DCT NAKON
R474	NAKON	…R474 ALBOS DCT NAKON
W1/Y1/Y2	ENDUU	…W1/Y1/Y2 UBLOD DCT ENDUU
G474	SEHNA	…G474 ANREN DCT SEHNA

ATS Routes	IAWP	Flight planning
M633	SEHNA	... M633 DULEM DCT SEHNA
R468	SEHNA	… R468 GOMES DCT SEHNA
P629	SEHNA	...P629 NUGPA DCT SEHNA
N891	SEHNA	…N891 RYN DCT SEHNA
R334	SEHNA	…R334 RYN DCT SEHNA
M644	SEHNA	...M644 RYN DCT SEHNA
W33	SEHNA	...W33 RYN DCT SEHNA
Y12	SEHNA	...Y12 ALEMI DCT SEHNA
G458/W31/Y5	SABAI	...G458/W31/Y5 HOTEL DCT SABAI
M769	SABAI	...M769 GOKEX Y96 EMTIX Y99 HOTEL DCT SABAI
Y99	SABAI	...Y99 HOTEL DCT SABAI
A464/W19/M751	SABAI	...A464/W19/M751 GUTSO DCT SABAI
(DEP VTBU) R201	SABAI	...BUT DCT SABAI

4.5.2   Flight planning procedures for aircraft arriving to VTBS

ATS Routes	IAWP	Flight planning
M502	WILLA	…M502 BONVO DCT WILLA
L524	WILLA	...L524 IBETO DCT WILLA
G463/P646	WILLA	...G463/P646 TARED DCT WILLA
L507	WILLA	...L507 IGONI DCT WILLA
A464	NORTA	...A464 SEMBO DCT NORTA
W9/Y7	NORTA	...W9/Y7 TL DCT NORTA
B346/W21	NORTA	...B346/W21 NOBER DCT NORTA
R474	NORTA	...R474 ALBOS DCT NORTA
W1	EASTE	...W1 UBLOD DCT EASTE
Y1/Y2	EASTE	...Y1/Y2 UBLOD DCT EASTE
Y13	EASTE	...Y13 RUKSA DCT EASTE
G474	DOLNI	...G474 ANREN DCT DOLNI
M633	DOLNI	... M633 DULEM DCT DOLNI
R468	DOLNI	… R468 GOMES DCT DOLNI
P629	DOLNI	…P629 DOLNI
N891	DOLNI	... N891 DOLNI
R334	DOLNI	…R334 RYN N891 DOLNI
M644	DOLNI	...M644 RYN N891 DOLNI
W33	DOLNI	...W33 RYN N891 DOLNI
Y12	DOLNI	...Y12 DOLNI
G458/W31/Y5	LEBIM	...G458/W31/Y5 HOTEL DCT LEBIM
M769	LEBIM	...M769 LEBIM
Y98	LEBIM	...Y98 LEBIM

ATS Routes	IAWP	Flight planning
A464/W19/M751	LEBIM	...A464/W19/M751 GUTSO DCT LEBIM
(DEP VTBU) R201	DOLNI	...BUT DCT DOLNI

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