



MYANMAR FIR

OPEN SKIES – NON RADAR DETAILS

WARNING

Information inside of this document is intended for
flight simulation purposes only.

Table of Contents

Document control.....	3
Document Identification	3
Revision Records	3
1 Purposes of this document.....	4
1.1 Scope	4
2 Airport Details	5
2.1 Standard Position List	5
2.2 Airport important info.....	6
2.2.1 Aerodrome Transition Altitude & Level Chart.....	6
2.3 Procedures, Phraseology & Special Rules	8
3 VFR Routing	10

Document control

Document Identification

Document Identification	
Type	Publication
Version	1.0
Issue Date	29 th June 2021
Scope	Open Skies – General Controlling Details
Authority	VATSEA
Prepared by	Bailey Brown (BB)
Approved by	Eugene Lee (EL)
Review Date	15/10/2021

Revision Records

Revision Number	Date	Description of Change	Author
1.0	28/6/2021	Initial Document	BB

1 Purposes of this document

The purposes of this document are:

- a) To provide a general overview of standard non radar practices of controlling within the Myanmar FIR.

1.1 Scope

1.1.1 This policy applies to all members and visitors of the Myanmar FIR.

2 Airport Details

2.1 Standard Position List

Position List	*Indicates Primary	Frequency	Airspace Level
Login ID	Callsign	Frequency	Controlled FL's
VYBG_APP	Bagan Approach	119.700	GND-FL170
VYBM_APP	Banmaw Approach	119.700	GND-FL130
VYDW_APP	Dawei Approach	119.700	GND-FL130
VYHH_APP	Heho Approach	119.700	GND-FL130
VYHL_APP	Hommlinn Approach	119.700	GND-FL130
VYKG_APP	Kengtung Approach	119.700	GND-FL130
VYKI_APP	Kanti Approach	119.700	GND-FL130
VYKL_APP	Kalay Approach	119.700	GND-FL130
VYKP_APP	Kyaukpyu Approach	119.700	GND-FL130
VYKT_APP	Kawthoung Approach	119.700	GND-FL130
VYLK_APP	Loikaw Approach	119.700	GND-FL130
VYLS_APP	Lashio Approach	118.700	GND-4000FT
VYME_APP	Myeik Approach	119.700	GND-FL130
VYMK_APP	Myitkyina Approach	119.700	GND-FL100
VYMM_APP	Mawlamyine Approach	119.700	GND-FL100
VYMS_APP	Mong-hsat Approach	119.700	GND-FL130
VYPN_APP	Patheingyi Approach	119.700	GND-FL130
VYPT_APP	Putao Approach	119.700	GND-FL130
VYSW_APP	Sittwe Approach	119.700	GND-FL130
VYTD_APP	Thandwe Approach	119.700	GND-FL130
VYTL_APP	Tachileik Approach	119.700	GND-FL130
VYAN_TWR	Ann Tower	118.700	GND-2000FT
VYAS_TWR	Anisakan Tower	118.700	GND-5000FT
VYBP_TWR	Bokpyinn Tower	118.700	GND-2000FT
VYKU_TWR	Kyauktu Tower	118.700	GND-3000FT
VYMW_TWR	Magway Tower	118.700	GND-3000FT
VYMY_TWR	Monywar Tower	118.700	GND-4000FT
VYPA_TWR	Hpa-an Tower	118.700	GND-1500FT
VYPU_TWR	Pakhokku Tower	118.100	GND-2000FT
VYBG_TWR	Bagan Tower	118.700	GND-2000FT
VYBM_TWR	Banmaw Tower	118.700	GND-2000FT
VYDW_TWR	Dawei Tower	118.700	GND-2000FT
VYHH_TWR	Heho Tower	118.700	GND-2000FT
VYHL_TWR	Hommlinn Tower	118.700	GND-2000FT
VYKG_TWR	Kengtung Tower	118.700	GND-2000FT
VYKI_TWR	Kanti Tower	118.700	GND-2000FT
VYKL_TWR	Kalay Tower	118.700	GND-2000FT
VYKP_TWR	Kyaukpyu Tower	118.700	GND-2000FT
VYKT_TWR	Kawthoung Tower	118.700	GND-2000FT
VYLK_TWR	Loikaw Tower	118.700	GND-2000FT
VYME_TWR	Myeik Tower	118.100	GND-2000FT
VYMK_TWR	Myitlyima Tower	118.700	GND-2000FT
VYMM_TWR	Mawlamyine Tower	118.700	GND-2000FT

VYMN_TWR	Manaung Tower	118.700	GND-2000FT
VYMS_TWR	Mong-hsat Tower	118.700	GND-2000FT
VYPN_TWR	Pathein Tower	118.700	GND-2000FT
VYPT_TWR	Putao Tower	118.700	GND-2000FT
VYSW_TWR	Sittwe Tower	118.700	GND-2000FT
VYTD_TWR	Thandwe Tower	118.700	GND-2000FT
VYTL_TWR	Tachileik Tower	118.700	GND-2000FT

2.2 Airport important info

2.2.1 Aerodrome Transition Altitude & Level Chart

Aerodrome	Transition Altitude		Transition Level	
	Feet	Meter	Flight level	Meter
Ann (VYAN)	7 000	2133	085	2590
Anisakan (VYAS)	9 000	2743	105	3200
Bagan/Nyaung U (VYBG)	8 000	2438	095	2895
Banmaw (VYBM)	10 000	3048	115	3505
Bokpyinn (VYBP)	7 000	2133	085	2590
Dawei (VYDW)	6 000	1828	075	2286
Heho (VYHH)	11 000	3353	125	3810
Hommalinn (VYHL)	13 000	3965	145	4420
Hpa-an (VYPA)	9 000	2743	105	3200
Kalay (VYKL)	12 000	3658	135	4115

Aerodrome	Transition Altitude		Transition Level	
	Feet	Meter	Flight level	Meter
Kanti (VYKI)	13 000	3965	145	4420
Kawthoung (VYKT)	4 000	1220	055	1676
Kengtung (VYKG)	11 000	3353	125	3810
Kyaukpyu (VYKP)	5 000	1524	065	1981
Kyauktu (VYKU)	NILL	NILL	NILL	NILL
Lashio (VYLS)	10 000	3048	115	3505
Loikaw (VYLK)	10 000	3048	115	3505
Magwe (VYMW)	7 000	2133	085	2590
Mawlamyine (VYMM)	5 000	1524	065	1981
Mong-hsat (VYMS)	11 000	1524	125	3810
Monywar (VYMY)	7 000	2133	085	2590
Myeik (VYME)	5 000	1524	065	1981
Myitkyina (VYMK)	12 000	3658	135	4115
Nampong (	12 000	3658	135	4115
Pathein (VYPN)	4 000	1220	055	1676

Aerodrome	Transition Altitude		Transition Level	
	Feet	Meter	Flight level	Meter
Pakhokku (VYPU)	7 000	2133	085	2590
Putao (VYPT)	17 000	5182	185	5639
Sittwe (VYSW)	4 000	1220	055	1676
Surbung (VYFS)	13000	3962	145	4400
Tachileik (VYTL)	9 000	2743	105	3200
Thandwe (VYTD)	6 000	1828	075	2286

2.3 Procedures, Phraseology & Special Rules

- 2.3.1 Non radar airspace involves confirming and cross referencing everything as you do not have a radar to view the aircraft. As such approaches can only be commenced one at a time and other aircraft usually hold stacked vertically over a VOR or NDB. Procedural clearances are the same as regular clearances with the only difference being the identification phraseology. Below is an example of such.

Arrival and Departure Phraseology

- 2.3.2 **Departure Clearance:** <Call sign> Cleared To <Destination> via <AIRWAY TO/OR EXIT FIX>, <FINAL ALT> <SID/OUTBOUND RADIAL> Departure <SQUAWK>
- 2.3.3 **Climb/Descent:** <Call sign> Climb/Descend <Alt> report approaching <Alt>.
- 2.3.4 **Arrival Clearance:** <Call sign> Cleared to <Destination> via <STAR/INBOUND RADIAL> ARRIVAL, <TRANSITION> <RWY>, report for descent / maintain / descend, Transition Level <Trans Level>.
- 2.3.5 **VFR Clearance:** <Call sign> Cleared to <Destination> via <VFR Route> Squawk <Squawk Code> report for taxi with POB and Fuel

Hand Off Phraseology

2.3.6 **Hand off:** <Call sign> at <either DME or Waypoint> Contact <Controller>

2.2.3 Coordination is essential for procedural towers below a radar TMA. This is especially important around the area of **Naypyitaw and Mandalay** as multiple non radar stations are located below. Hand off coordination should go as followed.

Non-Radar Station: <Call sign> Departed <Airport> time <Take off time> <SID/Outbound Radial>

Radar Station: <Call sign> Unrestricted climb <Altitude>

Non-Radar Station: <Call sign> Unrestricted climb <Altitude>

Separation

2.3.7 **Standard Separation:** Separation standards in the Yangon FIR is different to other FIR's in the respect that it is 10 minute (80nm) between aircraft and 50nm separation between RNP10 approved aircraft.

3 VFR Routing

