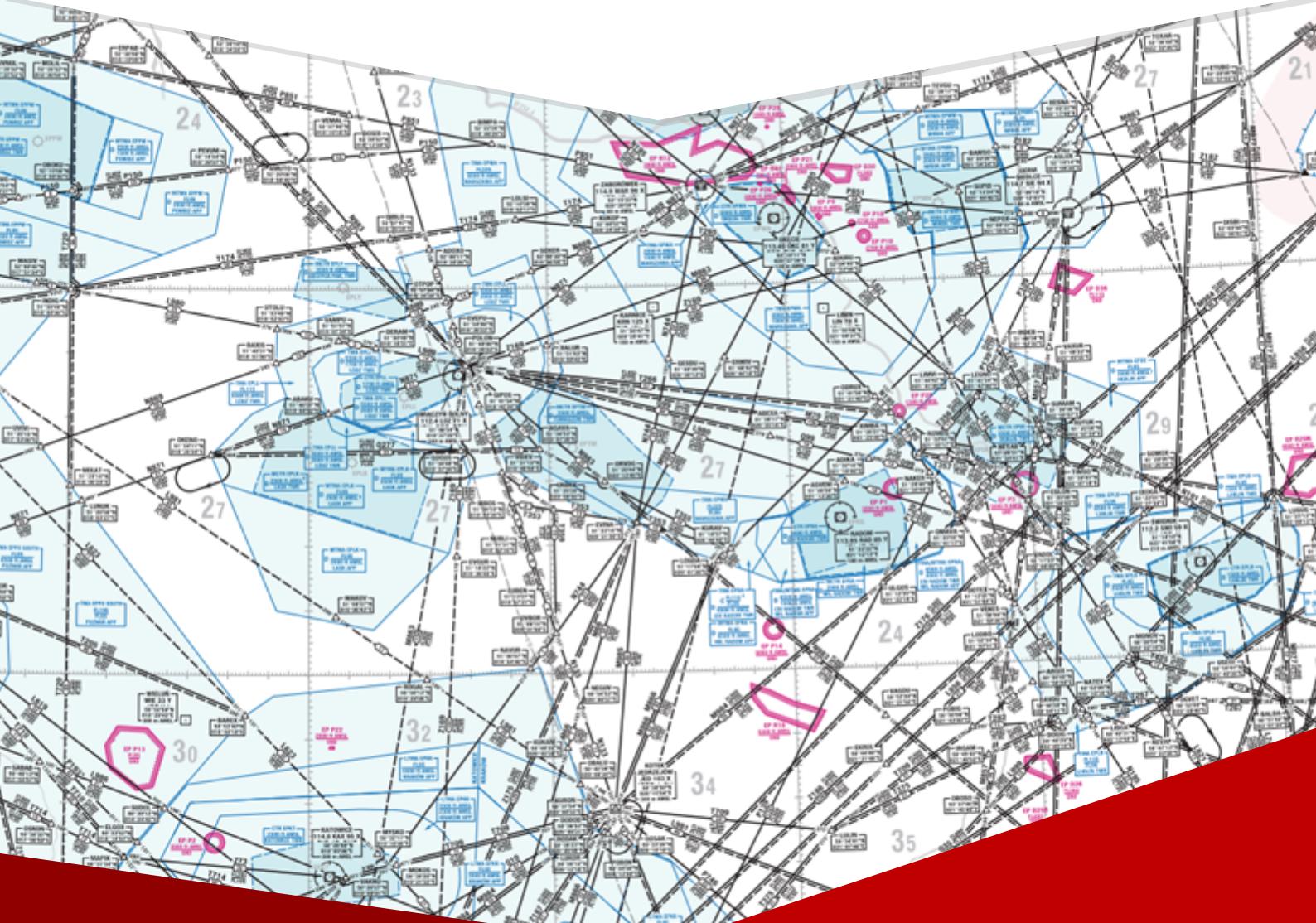


# Polish VACC



## OPERATIONS MANUAL

vFIR Warszawa



Revision 2309.1

## ⚠ Disclaimer

This document is intended for use on VATSIM network only.

Do not use for training purposes or in real life scenarios.

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## Record of Amendments

Revision number	Date	Changes	Authors
2309.1	XX.XX.2023	Initial 2nd edition release	PL3 Dawid, PL6 Matt
2310.1	TBC	Lorem ipsum dolor sit amet	PL3 Dawid, PL6 Matt

## 0 Introduction

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### 0.1 Document's Purpose

The following document was created to establish guidelines and standardize operational procedures for Polish VACC virtual air traffic controllers as part of virtual air traffic control on the VATSIM network.

The document was created solely for the needs of the VATSIM network and cannot be used outside it, in particular it should not be used operationally within real air traffic control services.

### 0.2 Document's Contents

You should learn from and understand this document as follows:

- **general information** relating to specific types of control (aerodrome traffic control, approach control, radar and procedural control procedures),
- **detailed information** relating to individual TMAs. The included information is structured as follows:
  - **information about airports** within the TMA,
  - **information about the TMA airspace**
- **attachments**, which mainly contain collected information in the form of Quick Reference Cards (QRCs), which are used to quickly view the most important information while exercising control.

### 0.3 Definitions

Expressions used in this document have the following meanings:

**Air Traffic Controller** – (*Controller, ATC*) – a person responsible for the air traffic control service on the VATSIM network, issued a controller rating, allowed to control a selected position and logged in in accordance with the VATSIM Global Rating Policy.

**Crew/Pilot** – a person responsible for controlling the aircraft on the VATSIM network, connected in accordance with the VATSIM network rules.

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in RFC 2119.

## 0.4 Legal Basis

This document was created on the basis of the following legal bases, used and formatted for the needs of the VATSIM network:

- ICAO Doc 4444 – Procedures for Air Navigation Services, Air Traffic Management [[4444](#)];
- AIP Poland [[aip](#)];
- Polish VACC Policy [[policy](#)];
- VATSIM Code of Conduct [[coc](#)];
- VATSIM Code of Regulations [[cor](#)];
- VATSIM Global Ratings Policy [[grp](#)];
- VATSIM Air Traffic Control Frequency and Information Management Policy [[atis](#)];
- VATEUD Policy [[vateud](#)].

## 0.5 Content Liability

The document is edited and updated by the Polish VACC Board. The main responsible for the document is the Member of the PL-VACC Board responsible for operational changes in vFIR Warszawa or – in the absence thereof – the Director of Polish VACC.

## 0.6 ATC Responsibilities

Pursuant to the provisions of Art. 4 Polish VACC Policy, especially point 2a of this article, person providing control at vFIR Warszawa is obliged to follow the procedures set by the relevant members of the Polish VACC Board, therefore knowledge of this document and its application in practice within the scope of their positions is mandatory.

# 1 vFIR Warszawa Airspace

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## 1.1 Airspace Structure

### Controlled Airspace

- a) CTA from FL95 to FL660 – class “C” airspace,
- b) TMA, CTR – below FL95 – class “C” or “D” – see ENR 2.1.1 or AD 2,
- c) MTMA, MCTR – class “D” – see ENR 2.1.1 or AD2,
- d) airspaces delegated to other FIRs – see ENR 2.1.2

### Uncontrolled Airspace

Class “G” – includes airspace from GND to FL95 outside of controlled airspace.

### Military Airspace

Currently, only MCTR Dęblin, MCTR Krzesiny and MTMA Dęblin are simulated on the VATSIM network.

In the absence of vATC responsible for given military airspace, these airspaces are relegated to class G airspace.  
The remaining military spaces are not currently simulated and have been relegated to Class G spaces.

### Reduced Vertical Separation Minimum (RVSM) in vFIR Warszawa

vFIR Warszawa between FL290 and FL410 inclusive is an RVSM airspace.

In this airspace, the minimum vertical separation is:

**1000 ft** between aircraft authorized for RVSM operations.

**2000 ft** between:

- aircraft authorized for RVSM operations and aircraft without such authorization,
- aircraft not authorized for RVSM operations,
- formation of aircraft and other aircraft.

## 1.2 Services Provided by ATC

Within vFIR Warszawa the following Air Traffic Services are provided:

### Air Traffic Control Service

**Aerodrome Control Service** – for traffic in the Movement Area of an aerodrome and in the CTR,

**Approach Control Service** – for departing and arriving controlled flights,

**Area Control Service** – for controlled flights in CTAs.

ATC may be exercised by:

- surveillance – ATS surveillance system using transmitters/receivers (interrogators) and transponders. Operationally available in all EPWW FIR airspace above FL95 and in selected TMAs where radar coverage is available,
- procedural control – a type of control in which information obtained using the ATS surveillance system is not necessary to provide air traffic control services (using crew position reports).

### Flight Information Service (FIS)

- meteorological information, SIGMET and AIRMET,
- information about known air traffic - information given by an air traffic services unit to warn a pilot of other known or observed air traffic that may be in the vicinity of his position or intended flight route and to assist him in avoiding a collision,
- coordinated information regarding access to and clearances to enter controlled airspaces, in consultation with the appropriate ATC controllers.

### Alert Service (ALRS)

- Due to the specificity of VATSIM, the alert service in vFIR Warszawa is de facto not conducted, except for the INCERFA phase, where in the event of lack of communication with the aircraft within a specified period of time, the unit responsible for FIS should initiate an attempt to contact the pilot, either via VHF or by text message.

The individual phases of the alert service, as well as the principles of providing the information service, are described in the ??.

## 1.3 IFR flights

IFR flights in vFIR Warszawa must be conducted in accordance with the submitted flight plan.

ATC is responsible for validating the flight plan to the FIR boundary. When possible, ATC should explain what the error in the flight plan is.

The transition from VFR to IFR during a flight can only take place at or above the Sector Minimum Altitude (AMA – Area Minimum Altitude).

The transition from IFR to VFR during a flight can only take place in VMC conditions.

It is ATC's responsibility to ensure, whether the above conditions are met.

## 1.4 VFR flights

### In controlled airspace

The obligation to submit a flight plan arises when the flight begins, ends or, in any phase of the flight, crosses or intrudes controlled airspace of any class.

### In uncontrolled airspace

There is no obligation to submit flight plans for a VFR flight in uncontrolled airspace, unless such requirement has been imposed by a Flight Plan Mandatory Zone.

## 1.5 Squawk code assignment rules

Virtual ATC of FIR Warszawa is provided with a pool of transponder codes ranging from 4500 to 4577. This gives a total of 64 different codes.

Sector	Pool	Codes
ACC (EPWW_CTR)	4500 – 4577	64
Procedural TMAs	4500 – 4517	16
TMA Poznań	4520 – 4527	8
TMA Gdańsk	4530 – 4537	8
TMA Kraków	4540 – 4547	8
TMA Warszawa	4550 – 4577	24
Reserve pool	4000 – 4077	64

Table 1.1: Squawk codes pool assignment

Transponder codes assigned in this way naturally run out when the most frequently occupied ATC positions are occupied and a standard traffic situation occurs. They should be awarded starting from the lowest number available.

When the controller is logged in at the ACC station, he is responsible for the final decisions regarding the allocation of transponder codes.

If the controller occupies a position in a sector other than those specified, he is obliged to consult the range or squawk codes for specific aircraft with the ACC controller, if logged in, if not, the controller should assign codes starting from the lowest available code from the basic range.

The presented code ranges are implemented in the official published sector and it is recommended to use automatically assigned codes during everyday work.

The controller occupying the procedural approach tower position in the appropriate TMA should assign the appropriate transponder code for departing aircraft only.

In case of heavy traffic, when the code pool is exhausted, a reserve range of 4000 – 4077 is available.

VFR: The default code for VFR flights is 7000. An aircraft flying with this code may be identified by radar by the controller in controlled airspace and provided with FIS/AFIS in Class G airspace using radar imagery, but only if the controller has a reasonable certainty regarding SP identification (no other traffic with the same transponder code within 20 NM). If there is no such certainty, the controller may assign a transponder code from the standard pool 4500 – 4577.

The individually assigned unique transponder code should not be changed regardless of the aircraft's future route.

### 1.5.1 Mode S transponder

All aircraft flying in the area covered mode S identification (figure 1.1) departing from an airport located in FIR Warszawa should receive squawk code 1000, and at the moment of obtaining radar contact, be identified as an aircraft communicating in mode S. If the aircraft flies outside the indicated space, a transponder discrete code in mode C should be assigned and identification should be made after take-off in accordance with applicable surveillance standards.

When accepting an aircraft currently in the air, identification in S mode occurs automatically. The discrete transponder code set by the pilot should be one of the following: 0000, 1000 (recommended, used in FIR Warszawa), 1200, 2000, 2200. If a different, discrete transponder code was assigned to the flight plan, identification should be made in mode C. If the aircraft shows a difference between the discrete code assigned in the flight plan and the one set on the transponder, identification cannot take place. Other conventional means of identification (described in ICAO Doc 4444, Chapter 8, points 8.6.2 and 8.6.3) are still available to the air traffic controller.

List of FIRs involving allocation of code '1000':

EPWW, ED\*\* (EDWW, EDMM, EDUU, EDGG), LKAA, LZBB, LROP, LHAA, EBBU, LOVV, LI\*\*, LF\*\* (LFFF + LFEE + LFMM + LFRR + LFBB)

List of aircraft equipment codes assigning the code "1000":

H, I, L, E, G, W, P, S, LB1

In vFIR Warszawa, the CCAMS plugin is used to assign transponder codes, which is an extension of the ModeS plugin.

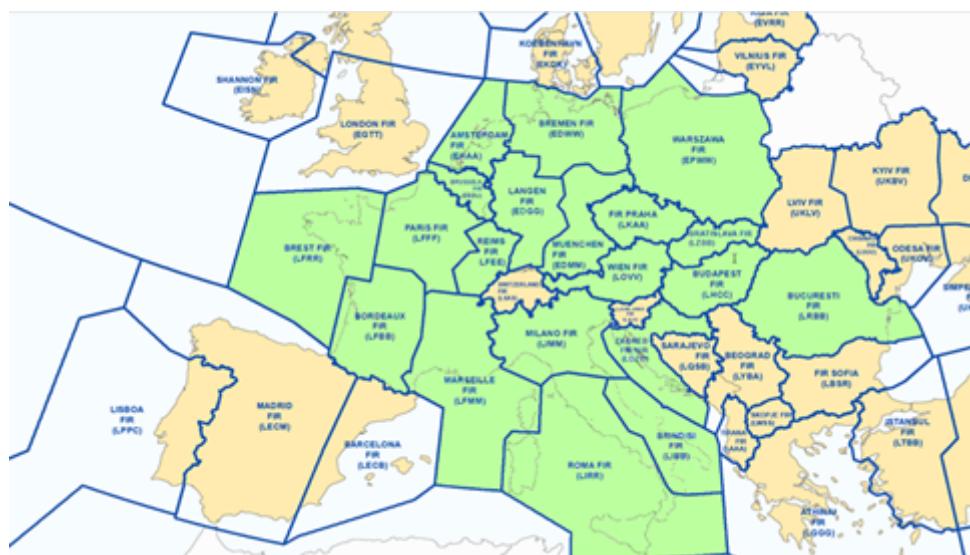


Figure 1.1: Mode S identification area map

# AERODROME CONTROL SERVICE

Last revision

21 APR 2023

Polish VACC 



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## 2 Available ATC positions

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### 2.1 Delivery [DEL]

Clearance delivery position is responsible for delivery of start-up and ATC clearances to departing flights.

Delivery's responsibilities include:

- checking the correctness of the flight plan and clarifying any mistakes contained therein,
- assignment of standard departure instructions (runway, SID),
- coordination of non-standard departure instructions with other controllers, such as:
  - departure from a runway other than the active one,
  - inability to perform SID,
  - VFR flight in CTR,
- transmission of weather information (current ATIS or, if it is not available, reading of the latest METAR),
- if the traffic flow manager orders the introduction of slots, informing the pilots about delays and allocated slots.

Rules for transferring aircraft from Delivery to the next controller:

- Delivery asks the crew after issuing permission to report readiness to push/launch,
- when the crew reports readiness, the Delivery controller, based on coordination and traffic situation:
  - at a remote ("pass-through") stand, after coordination with the GND controller, approves engine start-up,
  - at gate (requiring pushback), transfers communication to the next controller (GND).

If the aircraft has to wait (e.g. due to slot or traffic situation), DEL informs the crew to remain on its frequency and transfers communications only when the aircraft will be able to start the pushback and/or start-up.

## 2.2 Operation coordinator “Planner” [P \_ DEL]

Planner position is not a standard position. A planner is appointed in the following cases:

- an event with a large amount of traffic is planned,
- traffic exceeds operational capacity of currently logged in controllers.

Planner's responsibilities include:

- slot assignment,
- coordination with Delivery.

Slots are assigned based on:

- previously set schedule (e.g. during events),
- pilot login times and planned EOBT.

## 2.3 Ground [GND]

Ground controller's responsibilities include:

- issuing start-up and push back clearances,
- managing ground traffic in manoeuvring area of the aerodrome,
- queuing departures and avoiding delays during heavy traffic,
- informing flight crews of all significant changes in weather information, **including QNH changes**,
- covering Delivery's responsibilities when DEL is offline or no DEL has been set at the aerodrome.

Transfer rules of departing aircraft from Ground to the next controller:

- by default, aircraft are being transferred by “*contact*” when approaching the holding point,
- by next controller's request, aircraft may be transferred using “*monitor*”,
- transfer shall take place only if there is reasonable certainty that no conflict with other ground traffic will emerge and the crew will not require any further instructions from the GND controller,
- in a long departure queue, aircraft should be transferred to the next controller when it is probable that the next controller will need to issue an instruction to the aircraft.

## 2.4 Tower [TWR]

Tower's responsibilities include:

- Air Traffic Control within the CTR, including controlling VFR flights,
- control of IFR flights during approaches and of all operations on the runways,
- providing ATIS information (on selected aerodromes) or, on request, weather information, including informing crews of QNH changes,
- covering Ground's responsibilities when GND is offline or no GND has been set at the aerodrome.

Aerodrome traffic control is conducted according to the procedures for aerodrome control service, described in detail in chapters 6 and 7 of ICAO Doc 4444. The most important information and procedures have been described in the following Operations Manual both in general (to be used in all controlled aerodromes) and in detail (including local procedure deviations for aerodromes).

## 3 Procedures for Aerodrome Control Service

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### 3.1 Clearance

An IFR clearance consists of:

- aircraft identification,
- clearance limit (usually the destination aerodrome),
- designator of the assigned SID, if applicable,
- initial level, except when it is included in the SID description,
- squawk code,
- other necessary instructions or information not contained in the SID description.

Checking flight plan's correctness includes:

- verifying the departure and arrival aerodromes have been filled correctly,
- checking if the cruising level filed is correct according to the semi-circular rule,
- checking the flight planned route up to the FIR boundary,
- analysis of the remarks.

### 3.2 Start-up and pushback

Start-up and pushback can be conducted, when:

- crew reports ready for start-up/pushback,
- there is no traffic moving behind the aircraft,
- the clearance will not hinder the traffic flow.

Detailed local procedures regarding start-up and pushback are described in the appropriate sections.

### 3.3 Taxi

Taxi instructions shall be issued in such a way, that:

- taxi routes of aircraft do not cross, unless proper conditional instructions have been issued,
- manouevring area occupancy has been reduced to minimum, i.e. the taxi route should be the shortest available,
- issued instructions do not violate or create a risk of unauthorized incursion onto an active runway,
- maintain appropriate buffers around active runway holding points: used to occupy and vacate the runway so as not to block the movement of aircraft occupying or vacating the runway.

### 3.4 Runway operations

#### Selecting runway in use

Runway in use shall be selected using the following Runway Selection Preference System:

##### 1. Wind speed

Wind Speed	Runway in use
0 – 5 kts	Not dependent on wind direction
6 – 15 kts	Closest “into the wind”, unless other meteorological conditions determine otherwise
> 16 kts or gusts > 20 kts	“Into the wind”, disregarding other meteorological conditions

Table 3.1: Runway Selection Preference System

##### 2. Available instrument procedures

Better equipped runways should be selected first, in sequence:

- available LVP procedures (ILS CAT II/III, RNP AR APCH),
- available precision approach procedures (ILS, PAR),
- available non-precision approach procedures (VOR, TACAN, RNP, NDB),
- available visual aids (PAPI, runway lights, approach lights).

##### 3. Runway conditions

##### 4. Safety considerations

## Lining up and vacating runways

Line up instruction may only be given if no clearance has been given to another aircraft to use the runway for take-off or landing. The exception is a conditional instruction, provided that the aircraft crew confirms that it can be carried out (e.g. reporting traffic in sight). The runway may also be occupied when another aircraft is moving on it and is not performing the above-mentioned operations (e.g. taxiing, crossing the runway, finishing its landing roll, etc.).

Lining up and departing from a shortened take-off distance requires flight crew approval, unless local procedures say otherwise.

The runway is considered vacated when the aircraft has completely passed the stop bar/holding point.

## Operations from a runway other than runway in use

Operations from a runway other than the runway in use require coordination with the controller responsible for providing approach control service for the aerodrome.

## 3.5 Departure

Clearance for take-off may only be issued when no other aircraft is in front of the taking-off aircraft on the runway.

Take-off clearance may be issued to an aircraft when there is reasonable assurance that the required separation will exist when the aircraft commences take-off.

For departures that come under the responsibility of an approach/area controller after departure, take-off clearance can be issued only if the approach/area control unit authorizes the take-off (grants a “*departure release*”), unless local procedures or coordination indicate otherwise.

Final positions that must be reached by arriving aircraft (A) or departing aircraft (B or C) before an arriving aircraft can be cleared to land on a runway in use or a departing aircraft can be cleared for take-off:

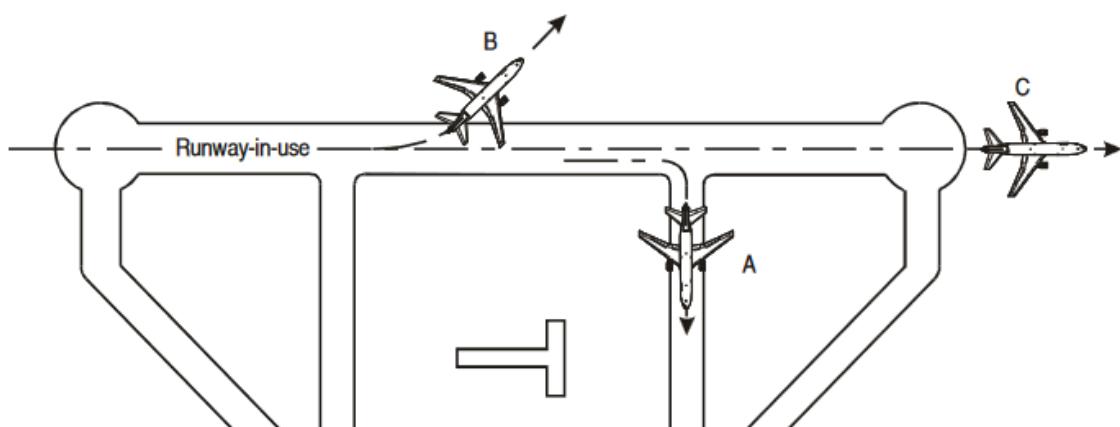


Figure 3.1: Separation between departing and arriving aircraft [4444]

Separation of departing aircraft:

- based on a surveillance system:
  - 3 NM – departures in different directions/different SIDs,
  - 5 NM – departures in the same direction/same SIDs,
  - 5 NM – departures in different directions/different SIDs, when the Preceding aircraft is 40 kts or more slower than the succeeding aircraft,
- based on time:
  - 5 minutes – between departing aircraft on the same track, if the following aircraft will be crossing the level of the Preceding aircraft,

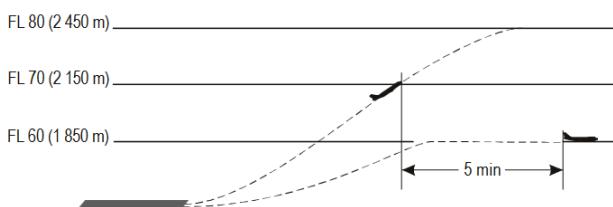


Figure 3.2: Five-minute separation of departing aircraft following the same track [4444]

- 2 minutes – between departing aircraft on the same track, when the Preceding aircraft is at least 40 kts faster,

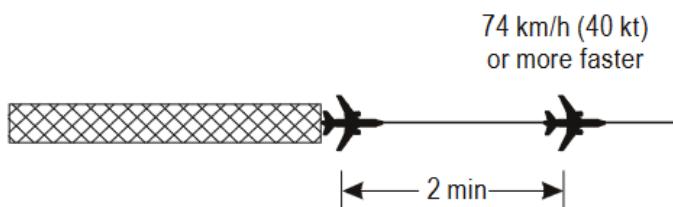


Figure 3.3: Two-minute separation between aircraft following same track [4444]

- 1 minute – between departing aircraft, when their departure tracks differ by no less than 45°,
- based on visual observation (VFR):
  - aircraft has started a turn or passed departure end of the runway.

Departures from intersecting runways are subject to common departure separations (requires usage of same separations as departures from the same runway).

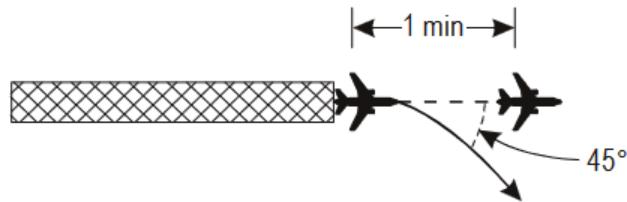


Figure 3.4: One-minute separation between departing aircraft following tracks diverging by at least 45° [4444]

#### Wake turbulence separation — departures

In addition to standard established separations, an important factor is the consideration of wake turbulence of departing aircraft of different categories:

The same starting point of the take-off run:

Preceding	Succeeding	Separation
SUPER (J)	HEAVY (H)	2 min
SUPER (J)	MEDIUM (M)	3 min
HEAVY (H)		2 min
SUPER (J)	LIGHT (L)	3 min
MEDIUM (M)		2 min
LIGHT		

Table 3.2: Wake turbulence separation — departures

Succeeding aircraft commences take-off from an intermediate part of the runway:

Preceding	Succeeding	Separation
SUPER (J)	HEAVY (H)	3 min
SUPER (J)	MEDIUM (M)	4 min
HEAVY (H)		3 min
SUPER (J)	LIGHT (L)	4 min
MEDIUM (M)		3 min
LIGHT		

Table 3.3: Wake turbulence separation — departures, intermediate part of runway

**Departure clearances may not be conditional or contain conditional instructions.**

### 3.6 Arrival

Arrival is understood as these runway operations:

- landing,
- landing and immediate takeoff, the so-called “*touch and go*” (pol. “*konwojer*”),
- low overflight over the runway (“*low pass*”),
- long landing,
- all other operations involving crossing the runway threshold from the air, including a “*low approach*”.

All operations must receive clearance as soon as possible, but no later than:

- at 4 miles to the runway threshold,
- at 2 miles to the runway threshold after informing the flight crew of the expected delayed clearance for the operation (e.g.: “Expect late landing clearance”),
- in the absence of surveillance data for the tower controller, to a maximum of 5 miles to the runway threshold. The distance must be obtained through the flight crew position report (“Report 5 miles final”)
- for VFR flights, no later than around the final turn.

If the above are not feasible, or the traffic situation indicates that it will not be possible to issue a clearance at the time of the above situations, instructions should be given to the crew to go around as soon as possible.

Clearances for arrival operations must not contain conditional instructions.

#### Wake turbulence separation — arrivals

In addition to standard established separations, an important factor is the consideration of wake turbulence of departing aircraft of different categories:

Preceding	Succeeding	Separation
SUPER (J)	HEAVY (H)	2 min
SUPER (J)	MEDIUM (M)	3 min
HEAVY (H)		2 min
SUPER (J)	LIGHT (L)	4 min
MEDIUM (M)		3 min
LIGHT		

Table 3.4: Wake turbulence separation — arrivals

If the succeeding aircraft is flying VFR, it is possible to order the pilot to maintain his own separation with caution to wake turbulence. It is then mandatory to specify the wake turbulence category of the preceding aircraft.

### Missed approach instructions

In the case of a missed approach, unless otherwise coordinated, the aircraft will follow the published missed approach procedure appropriate to the approach being performed. Where the approach being performed does not have a published missed approach procedure (e.g., a visual approach), it is necessary to obtain such instructions from the unit providing the approach control service.

The unit providing the approach control service may, through coordination, establish other instructions after a missed approach than those published. It is the duty of the tower controller to transmit non-standard instructions to the aircraft sufficiently in advance for the aircraft to be able to carry out these instructions, unless the non-standard instructions were transmitted before by the approach controller.

**After a missed approach, the tower controller must obtain release for the departure of the next aircraft.** This is to make sure that there is no loss of separation in the approach controller's area of responsibility.

## 3.7 VFR in CTR

### Weather conditions in controlled airspace

In order to fly VFR in controlled space, the following weather conditions must be met:

- **Visibility:** 5 km / 8 km (FL100+)
- **Cloud ceiling:** 1500 ft AGL

### VFR special flights

VFR special flights may only be conducted:

- in CTR,
- in daytime,
- away from clouds and with terrain visibility,
- when the visibility is not lower than 1500 m (800 m for helicopters),
- not faster than 140 kts IAS,
- when the cloud ceiling is not lower than 600 ft AGL.

*Note: The above restrictions apply to civilian controlled airspace. In military airspace, the VFR special restrictions are described in chapter ??*

### Aerodrome traffic circuit

Unless otherwise specified, the traffic circuit altitude for VFR flight is 1000 ft AGL.

Note that aircraft performing touch & go or low pass are performing 2 operations: arrival and departure. Proper separations must be maintained with respect both to arriving and departing traffic.

## Glider flights

Glider flights in controlled airspace are subject to the normal flight/entry clearance.

Clearance to operate a glider in controlled space should be denied if there is justification in terms of the traffic situation of the airport.

If clearance is granted for a glider to perform a flight, it shall be given priority in the order for landing, keeping in mind that the glider cannot go around. However, the glider may be asked to hold over a VFR point for traffic reasons. If the pilot reports that it is not possible to hold, such aircraft should be instructed to exit the controlled area by the shortest route.

## Rescue flights

Flights with HEMS, HOSP, SAR, MEDEVAC status are treated as rescue and/or hospital flights, search flights, life-saving flights.

Simulation of such flights is allowed under the condition that the controller authorizes such a flight, because no one can arbitrarily prioritize themselves over other aircraft on the VATSIM network.

Rescue flights should be prioritized by giving possible “shortcuts”. Rescue flights may also cross restricted and prohibited zones if justified.

When landing and taking off outside of the controlled landing area (airport), but remaining in a controlled airspace (hospital helipad, accident site, etc.), the crew must be advised to maintain their own responsibility when performing the landing/take-off. The landing/take-off must take place after obtaining clearance from the air traffic controller. In case of loss of VHF radio communication, text contact must be maintained (simulated phone call). Detailed conditions for handling HEMS flights are described in section 3.9.

## VFR squawk codes

The general squawk code for VFR flights is 7000, and it can be used when the aircraft is only performing overflight circles or leaving the CTR into uncontrolled airspace. When more aircraft performing VFR flight remain in the CTR area, or when the aircraft will be performing the flight in another controlled airspace (e.g., TMA), it is recommended to assign a discrete transponder code.

## 3.8 Aerodrome control using surveillance

With the modification of air traffic control towers, surveillance systems for TWR controllers have been installed at some airports in Poland. It allows observation of traffic in the CTR of the airport.

TWR with access to surveillance systems, in order to provide radar service, identifies the aircraft by verifying its position, altitude, transponder code (with Mode C enabled) and informs the SP crew using the phrase “Radar contact”.

Radar identification (position verification) is done as follows:

- the position of the aircraft presented on the scope coincides with the position reported by the aircraft crew,
- the transponder code agrees with the assigned transponder code,

- there is reasonable certainty that there could not have been a mistake in identification.

The exact regulations governing radar identification are described in ICAO Doc 4444 Air Traffic Management, Part 8, Section 8.10.2.3 [4444].

The radar service for TWR includes:

- monitoring the flight path of aircraft on final approach,
- monitoring the flight path of other aircraft in the vicinity of the airport,
- providing traffic information, in accordance with the applicable space class,
- providing navigational assistance for VFR flights.

Note that:

- the TWR controller does not have the ability to vector aircraft,
- in order to better identify VFR aircraft, they should be assigned a discrete transponder code,
- the surveillance system can be used to assist the crew in navigation, in case of loss of orientation in the area, by providing bearings to a waypoint/airport/navigation aid.

### TWR with surveillance systems

In FIR Warsaw surveillance systems are available at the following positions:

- TWR Gdańsk
- TWR Katowice
- TWR Kraków
- TWR Modlin
- TWR Okęcie
- TWR Poznań
- TWR Wrocław

### 3.9 HEMS flights

A flight with HEMS status in vFIR EPWW can only take place after obtaining clearance from the currently active vATC unit. The vATC unit, when issuing the clearance, must make sure that it is able to handle an aircraft with HEMS status in the airspace it controls without unnecessarily delaying other traffic (in accordance with the Vatsim CoC B6 rule [coc] that no aircraft can prioritize itself).

Due to the lack of a working SOA in vFIR Warszawa, it is the vATC who issues the priority of a HEMS flight. If priority is denied, the pilot should be advised to continue flight as normal VFR or to disconnect from the network.

## Callsigns

LPR helicopters in rescue flight use the Ratownik ## (LPR##) call signs where ## is the number assigned to the LPR base (e.g., Ratownik 12 (LPR12) – HEMS Warsaw).

LPR helicopter training flights and LPR aircraft flights are conducted under the call signs Ratownik ABC (LPRABC), where ABC is the last three letters of the aircraft registration (e.g., Ratownik HXB (LPRHXB) – SP-HXB).

Flights of military helicopters of Search and Rescue Groups take place under the call signs Rescue Helicopter ##### (RH####), where ##### is the tactical number of the aircraft (e.g. Rescue Helicopter 0419 (RH0419) – 2nd GPR Mińsk Mazowiecki).

## HEMS in IMC

When conducting a HEMS flight in controlled airspace below VFR special flight conditions, the vATC should inform the pilot of the current atmospheric conditions. It is the pilot's responsibility to know the operator's minima (LPR) and to inform the vATC of the decision to continue the flight. When authorizing HEMS flight below VFR special minima, the type of flight may be omitted or it may be emphasized that rescue flight is authorized.

Example phraseology:

PL	EN
P Okęcie Wieża, dzień dobry, Ratownik 12, aktywny. Po starcie z Babic, wykonujemy na Góra Kalwarię, 1500 stóp.	Okęcie Tower, good day, Ratownik 12, active. After departure from Babice, proceeding to Góra Kalwaria, 1500 ft.
TWR Ratownik 12, Okęcie Wieża, dzień dobry. Warunki poniżej VMC. Widzialność 3 km, chmury OVC 300 stóp.	Ratownik 12, Okęcie Tower, good day. Weather below VMC. Visibility 3 km, clouds OVC 300 ft.
P Wieża, Ratownik 12, przyjąłem. Akceptuję warunki.	Tower, Ratownik 12, roger. We accept the conditions.
TWR Ratownik 12, zezwalam na lot w CTR Okęcie nie wyżej niż 1500 stóp. Zgłoś na trawersie punktu Echo.	Ratownik 12, cleared for flight in CTR Okęcie not higher than altitude 1500 ft. Report abeam Echo.
P Zezwalasz na lot w CTR nie wyżej niż 1500 stóp. Zgłoś trawers Echo. Ratownik 12.	Cleared for flight in CTR not higher than 1500 ft. Will report abeam Echo. Ratownik 12.

# APPROACH CONTROL SERVICE

Last revision

08 MAR 2021

Polish VACC 



# AREA CONTROL SERVICE

Last revision

13 SEP 2023

**Polish VACC** 

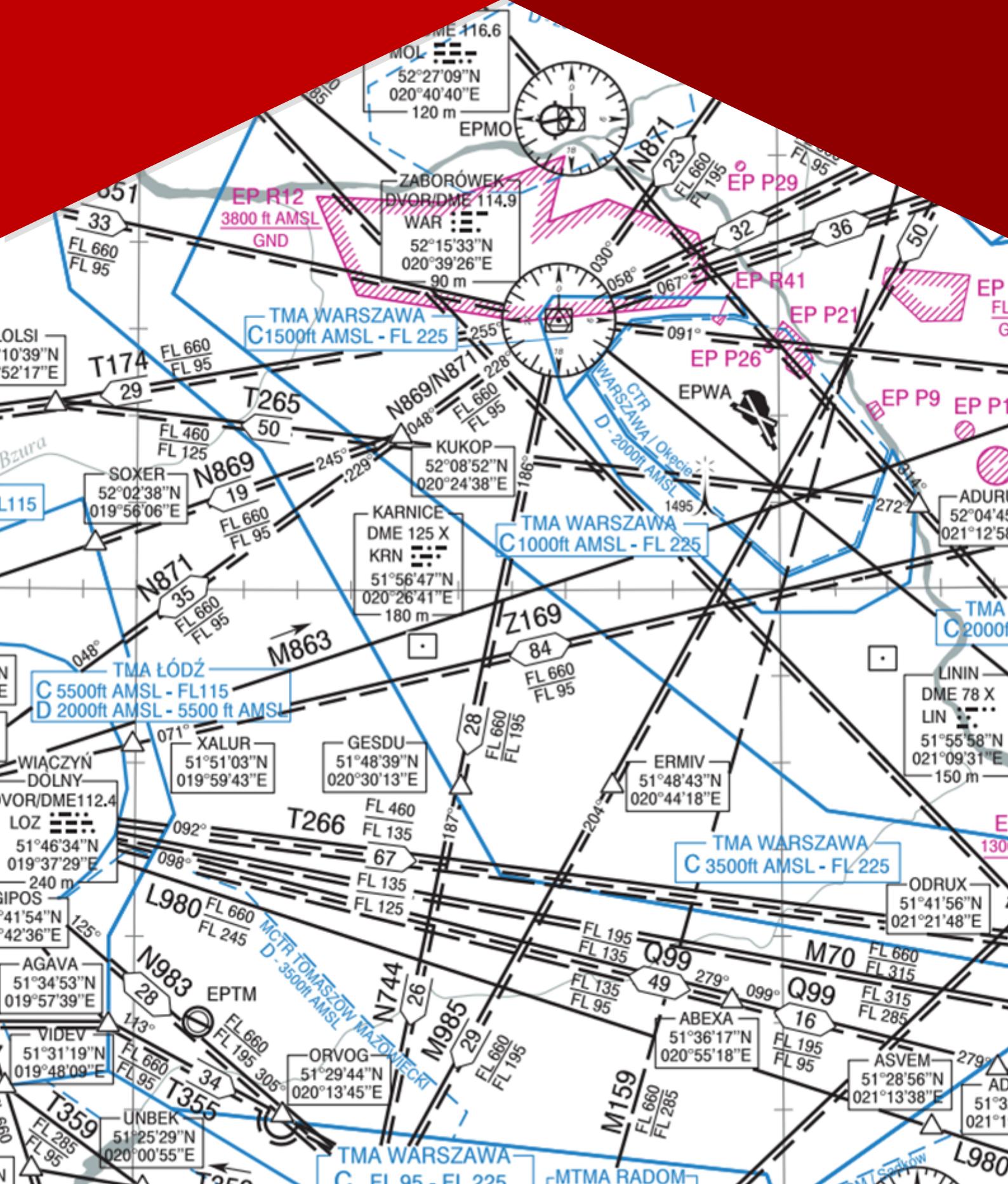


# TMA Warszawa, Łódź, Radom

Last revision

13 JUL 2023

Polish VACC 



# TMA Kraków

## Last revision

13 JUL 2023

# Polish VACC

