

Local Procedures
for
Czech Junior and Academic Gliding
Championships 2015
and
František Vrtěna Cup 2015



Authorised by the Aeroclub of Czech Republic and its Gliding Committee
the competition event is held by

Aeroclub Křižanov

in days of 5.7.– 18.7.2015

Created by Petr Koutný

Rev. 0 from 13.5.2015



Local Procedures – Statutory Regulations

Local championships are held in accordance to FAI Sporting Code (general section, Part 3: Gliding, Annex A).

This Local Procedures document are appendix to currently valid Annex A, FAI Sporting Code, part 3, Czech translation.

For this event held on behalf of Aeroclub of the Czech Republic (AeČR) and its Gliding Committee are in action further statutory regulations given by the competition code of AeČR and meeting transcripts of the Gliding Committee AeČR.

All documents and appointments come in the following priority:

1. These Local Procedures,
2. Transcripts from Gliding Committee AeČR,
3. Sporting code of the Aeroclub of the Czech Republic dated April 5, 2015, effective since January 1, 2015 amended by the change No. 7 (hereinafter also referred as the "SC")
4. English version of Annex A, released in 2014
5. Czech translation of last valid version of Annex A (in case of dispute English version takes precedence)

A. Championships Details

A.1. Competition Name

Open **Czech Junior and Academic Gliding Championships 2015**
and
František Vrtěna Cup 2015

A.2. Location of the Event – Airfield Information

The competition is held on Křižanov airfield - LKKA

Latitude: N 49°22'06"
Longitude: E 016°06'58"
Altitude: 559 m/1834 ft
Runways: 140°/320° (720 m, grass)
Křižanov RADIO frequency: 133,150 MHz
Competition frequency: 133,150 MHz

A.3. Time Schedule

Registration and payment due: 30.6.2015
Competition class amendment deadline: 4.7.2015
Registration and technical check: 4.7.2015 (Sat) since 10:00 till 19:30
Participants' informative session: 4.7.2015 (Sat) at 20:00
Competition opening + 1st briefing: 5.7.2015 (Sun) at 10:00
Contest flying: 5.7.2015 (Sun) - 18.7.2015 (Sun)
Farewell party: 18.7.2015 (Sun) late afternoon
Official competition closing, final results
 announcement: 18.7.2015 (Sat) afternoon
Going home: 19.7.2015 (Sun)

A.4. Competition Organiser*(for correspondence and registration entries)*

The event is held by aeroclub Křižanov:

Postal address: Aeroklub Křižanov
 Letiště
 594 51 Křižanov
 IČO: 00558494
 DIČ: CZ00558494

Phone: +420 775 685 702

E-mail: pmcrj@lkka.cz (organising committee)
 lkka@lkka.cz (AK Křižanov)

Web: www.lkka.cz
 www.gliding.cz

Bank account: account No: 9602106604/0600
 IBAN: CZ40 0600 0000 0096 0210 6604
 BIC (SWIFT): AGBACZPP

A.5. Organising Committee

Head of organising committee: Filip Graf
 (+420 724 330 755, filip.graf@email.cz)

Competition director: Filip Graf

Competition director deputy: Jan Pavlík
 (+420 776 262 129, johnpavlik@post.cz)

Scorer: Jan Pavlík

Task setter: Filip Graf
 Jan Pavlík

Principal engineer: Tomáš Talanda

Treasurer: František Marek

Meteorologist: Jacek Kerum

PR Jana Koutná, Zuzana Kutílková

A.6. Jury

President: 1. Petr Koutný

Members: 2. Miloslav Cink
 3. to be nominated before start of the competition

B. General

B.1. Competition Goals

B.1.1. Main goals of Czech Junior and Academic Gliding Championships 2015 (PMČRj) are:

- To compare performance of best pilots – juniors and academics.
- To designate junior and academic champions in particular classes.
- To assign points to Pilot list.
- To nominate contestants for international junior competitions.
- To nominate contestants for next year competitions organised by AeČR
- Support and propagate gliding sport.

B.1.2. Main Goals of František Vrtěna Cup 2015 (PFV) are:

- to compare performance of PFV participants
- to support and publicise gliding
- PFV is a competition in accordance to section 6.9. of current FAI Sporting Code

B.2. Competition Classes

Based on current Sporting Code, the PMČRj 2015 will be held in Club and Combi classes.

B.2.1. Club Class

Only gliders compliant with section 6.5.8. SC3 and listed on CZIL can be included.

Gliders performance comparison will be based on latest available index list CZIL, published on <http://www.lkka.cz/sport/docs/CZIL.xls>.

Index range: from 94 (VSO-10C) till 109 (Discus 2).

Gliders with lower index than 94 can compete with index equal to 94.

Gliders with greater index than 109 are not permitted in this class.

Reference index (to which tracks will be planned) is 100.

Water ballast not permitted.

B.2.2. Combi Class

All gliders listed on CZIL can be included.

All gliders listed on CZIL can be included.

Gliders performance comparison will be based on latest available index list CZIL, published on <http://www.lkka.cz/sport/docs/CZIL.xls>.

Index range: 105 (LS-4) till 121 (ASG-29 18m).

Reference index (to which tracks will be planned) is 110.

Water ballast is permitted.

B.2.3. PMČRj 2015 Class Consolidation

In case there are gliders registered for both the Club and Combi classes, but the number of contestants is not high enough to open two separate classes, only one joint (club) class will be open, according to current FAI Sporting Code and section B 2.1.

B.2.4. František Vrtěna Cup 2015 Class

Františka Vrtěna Cup class is held as Combi class. All gliders listed on CZIL can be included.

Gliders performance comparison will be based on latest available index list CZIL, published on <http://www.lkka.cz/sport/docs/CZIL.xls>.

Index range is not limited.

Reference index (to which tracks will be planned) is 110.

Water ballast is permitted.

B.2.5. Decision upon Class Openings on PMČRj 2015

Class openings will be announced after registration on participants' informative session on 4.7.2015.

B.3. Handicap Factor

Gliders performance comparison is based on assigned handicap factor H.

The competition in all classes will be scored using equations containing handicap factor H.

B.4. Championships Validity

For the championships validity all regulations of current Sporting code, especially section 6.4 are in charge.

Minimal number of contestants in class to be opened and to announce a Champion is 10.

Championships in particular class is valid when having at least 4 valid disciplines in the period between 5.7. and 18.7.2015.

A discipline is valid on the condition that at least 25% of all contestants in a class who made a competition take-off flew farther than 100km of handicapped distance.

Invalidity of championships in one class does not influence validity of championships in other open classes.

František Vrtěna cup will be open and valid even if number of contestants is less than 10.

B.5. Flying Rules and Flying Safety

- Contestants must adhere to visual flight rules (VFR).
- Cloud flying is prohibited.
- During the flight the pilot is obliged to avoid all airspaces marked in the ICAO map as prohibited, restricted or dangerous, except those which were on that particular day's briefing fully or partially released for use by PMČRj 2015 and PFV contestants. All TMA or CTR airspaces are prohibited unless specifically permitted on briefing (during the competition is not permitted to request individually entry to these areas e.g. over the radio).
- minimal altitude in 4th pattern turn is 50m AGL
- additional rules addressing flight safety can be appointed on briefings
- Dangerous flying will be penalised according to sections 8.6 and 8.7. of Annex A (list of standard penalties) and paragraph H.2 of these local procedures.

C. Contestants

C.1. Deposit

Contestant's participation is 4.500,- CZK.

Fee needs to be paid till 30.6.2015 using a bank transfer to the Křižanov aeroclub account listed in section A.4. of these Local Procedures.

In the text/message area of the payment order the contestant needs to give his/her name and competition number to identify source of the payment.

Fees will be used to cover organisation expenses.

All contestants will have an account created at Křižanov aeroclub. Balance of the accounts will be published on running bases. At the end of the competition final settlement will be done with all contestants

Contestants are obliged to have a positive balance on their accounts all the time. In case of negative balance, the contestant may be denied from competition flight.

Contestant may send additional amount to Křižanov aeroclub account which will be automatically attributed to contestant's personal account.

C.2. Nominations

C.2.1. PMČRj 2015

Official contestants' nomination for PMČRj 2015 was propounded based on valid Sporting Code on and AeČR Gliding Committee meeting on 5.4.2015 and published in related transcript.

With accordance to section 6.7.5. of Sporting Code, the list of nominees for PMČRj 2015 in Křižanov, held from 5.7. till 18.7.2015 is available on the following url: www.lkka.cz/sport/docs/Zebrik.PK.AeCR.2014.xls.

The nomination to PMČRj 2015 can be extended along sections 6.3.3. and 6.3.4. of the Sporting Code.

The contestants must qualify as juniors (SC 6.7.6.), or academics (SC 6.7.7.).

C.2.2. František Vrtěna Cup 2015

There are no constraints on participants in František Vrtěna Cup.

In case there are multiple pilots flying one sailplane, complete crew will be listed on the results list.

C.3. Registrations Limit

Maximal Křižanov airfield capacity is 80 gliders. May it happen the number of registered gliders exceeds this limitation the organiser can refuse to accept registrations of freely nominated or foreign competition applicants.

C.4. Applications

Applications for PMČRj will be registered on the competition web page.

A contestant must be registered on 30.6.2015 at the latest.

The registration fee is due on 30.6.2015 at the latest.

C.5. Propositions

This proposition / local procedures including attachments are published on the competition web site.

C.6. Contestant's Documents

C.6.1. The following personal documents shall be presented upon registration:

- valid glider pilot license,
- valid medical certificate (at least MCC2; if required by the pilot's licensing country),
- radiotelephone operator license,
- personal flight logbook.

C.6.2. The following sailplane documents shall be presented upon registration:

- sailplane logbook,
- valid Maintenance certificate,
- Airworthiness certificate or Permit to fly valid at least till 18.7.2015,
- Certificate of registration,
- third party insurance certificate with required coverage valid in the Czech Republic at least for the competition period (from 4.7. till 18.7.2015),
- Aircraft Station License,
- Parachute logbook with records or maintenance record valid at least till 18.7.2015,
- Valid calibration certificate for each GNSS FR present on board, not older than 5 years.

The competition organisers recommend appropriate insurance for your glider for the time of this competition with validity for this competition.

D. Technical Requirements

D.1. Flight Recorder Device

D.1.1. GNSS FR

Competition flights need to be recorded by at least one GNSS FR device compatible to FAI SC section 5.4 Annex A.

List of approved GNSS FR is listed FAI web site <http://www.fai.org/gliding>, link GNSS FR.

Contestants need to provide a power and data cable for downloads of flight records to PC. The GNSS FR record manipulation procedure will be specified on the participants informative session on 4.7.2015.

D.1.2. Altitude and Flight Continuity Check

Pilots need to provide compensation diagram not older than 5 years for all GNSS FRs they intend to use during the competition.

D.2. Flight Recording

Flight recordings – IGC files – can be delivered to official supervisor either within the GNSS FR device or media devices like SD/CF cards or USB flash drives.

IGC files must have valid data integrity.

Delivered media devices need to be marked in full contestant's name or competition number.

In case of dispute, GNSS FR device must be delivered for repeated data download and validation.

We recommend keeping flight records in the GNSS FR device until official results for the particular competition day are released.

D.3. ICAO Map

Each contestant is obliged to have an up-to-date ICAO map of the Czech Republic on board.

D.4. Instruments

Instruments for IFR flights or those enabling in-cloud flying must not be present on board unless their functionality is provably disabled for the time of competition.

D.5. Flight Tracking Devices on Board

Organiser may require gliders to be equipped with a device for real-time tracking, which will be available online for general public (Tracking). Devices will transmit progress of competition flight which will not be available before departures for particular competition class the glider is a member of. Furthermore, track and location of a glider will be made public with a 10-minute delay.

Tracking device assignments will be decided by a draw before first competition flight. In the consequent flights winners of previous discipline (first three pilots) plus other drawn pilots. All selected pilots cannot refuse having tracking device on board. The Organiser reserves the right to decide about distribution of tracking differently.

D.6. Anti-collision Marking Requirements

Reflective anti-collision marking on competition gliders is not required.

D.7. Glider Weight Check Procedures

Glider weight must not exceed maximal take-off weight (MTOW) defined by glider's flight manual according, while being in accordance to section 4.2. Annex A.

Club class gliders must complete the entire competition on MTOW equal to the one at first competition assignment.

The organiser can perform a weight check before each discipline.

E. General Flight Procedures**E.1. Units**

Official competition time: central european summer time (**CEST**)

Speed: km/h

Wind speed: kt/s

Speed of climb: m/s

Altitude:

QFE m, ft (AAL)

QNH m, ft (MSL)

QNH Altitude ft (MSL)

Flight Level FL (×100 ft) (altimeter 1013,25 hPa)

Distance m, km

E.2. Frequency and Radio Contact

Radio dispatcher (call sign Křižanov Radio) will be operating on frequency 133,150 MHz within the entire competition duration.

All contestants should have frequency 133,150 MHz selected from:

- The beginning of take-off, and

- During the launch until they have left the launching zone, and
 - On the final glide from at least 10 km away from the finish, and
 - During landing – from the moment they join the circuit until they have left the runway.
- Also on this frequency all other flight traffic within the LKKA ATZ will be present.

All information regarding the competition (last contestant's take-off time, assignment start time, relative time to open the start line, start line opening, possible assignment cancellation and other) will be given on 133,150MHz. The organiser will be continuously present on this frequency, which can also be used for outlandings information.

The organiser may list frequencies on which communication of contestants is prohibited.

F. Competition Procedures

F.1. Participants Informative Session

Before the championships beginning, the organiser will hold a meeting of all participants which takes place on July 4.7., 2015 at 20:00 (local time). On this session, general and competition procedures details will be specified, including information about the specifics of flight procedures on Křižanov airfield.

Presence of all contestants is compulsory and required.

F.2. Briefing

Briefing is going to be held every day usually at 10:00. Information on day's flight assignment, meteorological situation, airspace limitations and other important news will be presented.

Time of briefing may be changed upon day's current situation. This change will be announced to all participants in advance in an appropriate way.

Briefing attendance is compulsory. Exceptions may be granted by competition director.

F.3. Task-setting Consultation

On the meeting of contestants to be held on 4.7. 2015, the representatives from among the contestants will be elected. The task-setting consultants, at least one for each class, at least two for the competition, will be authorized to consult the setting of task with the organiser during the process of its creation. The consultants have to be experienced enough in competition flying and their vote is only consultative. The consultants has no right of veto and their participation on the task-setting is voluntary.

F.4. Types of Flying Assignments

The following types of flying tasks will be declared on PMČRj 2015:

- **Racing** – speed flight along given track,
- **Speed/AA** – speed flight across assigned areas.

The organiser may choose from any of these during the competition.

F.5. Airfield Boundaries

Křižanov airfield boundaries are set by roads, field roads and fields in the airfield's runway vicinity. See Appendix 1.

F.6. Competition Area Boundaries

These are given by borders of the Czech Republic and current ICAO situation specified on briefing. Violation of competition area boundaries is considered as violation of prohibited airspace and penalised.

Competition area boundaries valid for particular competition day will be specified on briefing and graphically highlighted in task sheet.

F.7. Airspace

Files with CZ airspace organisation officially provided by Gliding Commission AeČR for year 2015 will be used for airspace violation inspection.

F.8. Water ballast and discharging on the grid

The organiser arranges filling area with hoses for water ballast filling. To speed up this procedure, own water canisters are recommended.

Water dumping on the grid is permitted.

F.9. Grid

Participants transport their gliders to grid individually.

Competition gliders must be present on the grid before a deadline given by the organiser.

If a glider is not located on grid before given deadline, it may be placed there only with explicit consent of the competition director, or not earlier than all other competition take-offs are safely over.

To balance situation on the grid, gliders will be positioned to follow order of participants appointed by a draw.

All vehicles must be situated outside the take-off and landing strip during the take-offs and landings, on a location designated by the organiser.

All vehicles are obliged to have lights on when moving on the runway.

Grid will be divided onto separate parts for:

- PMČRj 2015 participants,
- PFV participants.

F.10. Aerotows

Aerotow price to 600m AGL is 630,- CZK.

Competing glider must get released on designated spot after the tow plane signalised so by rocking its wings or after own consideration after reaching 600m AGL LKKA. Earlier release is permitted only for safety reasons in abnormal situations.

If a participant gets released earlier (in lower altitude or outside designated release area), appropriate actions need to be taken in order not to cross flight path of other tow planes. Noncompliance with this rule may be considered as dangerous flying.

F.11. Take-off Procedures for Motorised Gliders

Motorised gliders may take part of the competition with the prerequisite of having properly working GNSS FR with the capability of recording engine operation.

F.11.1. Take-offs with Own Means of Propulsion (MoP)

In case take-off is accomplished with own MoP this unit must be turned off in designated release area or at or under maximal release altitude.

When flying to the area of release, motorised gliders must follow the path of tow aircrafts.

Motorised gliders need to start their engine for either at least 2 minutes before take-off or up to the 10th minute after release from aerotow. This requirement is necessary for indisputable GNSS FR engine operation recording functionality proof. After performing this test recording on the ground, the GNSS FR must be kept on for the rest of the flight.

F.11.2. Repeated Competition Take-off

In case of repeated competition flight motorised glider must either land without starting its engine or perform a flight over the LKKA runway while announcing engine start to the organiser on official frequency before starting up the engine and not earlier than an explicit consent of the competition director is granted.

Engine start must be executed within the area limited by circle with radius of 1,5km from LKKA midpoint. The procedure will be explained on first briefing.

F.11.3. Termination of Competition flight

Competition flight is considered terminated in moment and at location when/where the propulsion unit has been put in action.

F.12. Starting Procedures

For departures, procedure specified in Sporting Code, Annex A, section 7.4.2 a) – Start line will be used.

Length of the starting line is 12km (6km to left, 6km to right) with its center in defined initial point of track (VBT).

The start line will be opened 20 minutes after a launch has been offered to the last sailplane in the class that is currently being launched.

An example of Starting procedure can be seen in Appendix 6.

F.12.1. Starting altitude

The organiser can set maximal altitude in starting line, denoted in meters QNH or FL.

Starting altitude can be set or cancelled before first sailplane is launched.

F.12.2. Radio Communication upon Departures

Starting line opening is announced by radio on frequency 133,150MHz.

This announcement will be made 4 times pro each class:

- at time of last sailplane in class (and valid order) launch,
- 5 and 1 minute before the starting line is open,
- at time of opening the start line.

Contestants are not required to announce their departures over radio.

F.12.3. Use of Event Marker

Not required.

F.12.4. Time Interval between Departures

Not defined.

F.13. Finish Procedures

For finish, procedure of Finish Ring according to SC, Annex A, section 7.7.2 a) will be used.

Finish ring is defined as a circle with radius of 3km with its center in airfield Křižanov midpoint (track endpoint, KBT).

Finish procedure can be seen in Appendix 7.

F.13.1. Altitude Procedures for Finish

Minimal and maximal altitude for reaching the finish ring is not set.

Nonetheless, contestants are obliged to be above minimal altitude in 4th airfield pattern turn of 50m AGL.

F.13.2. Arrival Procedures

When closing to Křižanov airfield the contestants are required to be present at Křižanov Radio frequency 133,150MHz.

Contestants announce their presence on 10th km from the LKKA midpoint – meaning on the 7th km before reaching the finish ring.

After crossing the finish ring, the contestant decides for:

- Direct approach and landing – in this case then contestants announces on radio immediately after crossing the ring long final and later short final on the runway in use.
- Flight on the airfield pattern – in this case downwind position is announced and later final on the runway in use.

When talking with Křižanov Radio, the contestant always uses his/her competition sign.

After landing, the contestant is obliged to leave the runway in straight direction without crossing landing path of other gliders.

After full stop, the contestant is required transport his/her glider away from the landing area individually, along with instructions from the organiser.

F.14. Flight Recoding Delivery

The contestants deliver flight recordings to designated official observer from his/her primary GNSS FR (see section D.1.1). If there doubts about integrity, recordings from second GNSS FR may be delivered as well.

In case the contestant has made multiple competition take-offs on that day, all recordings need to be delivered.

Recording(s) delivery must be done under 30 minutes after landing on LKKA.

In case of outlanding, the contestant delivers his/her recording(s) as soon as possible after his/her return back to LKKA. Delays may result into penalties.

F.15. Outlandings

Transports of gliders are fully in hands of participants.

Immediately after outlanding, participants are required to report their landing to the organiser. Landing report must contain exact GPS location, landing time and reached turn points. The report is to performed either by calling or sending a SMS to phone number specified in the task sheet.

Prompt outlanding report is important for the matter of SAR (search and rescue) and preliminary processing of current flight task.

F.16. Aerotows from Fields

Upon request, the organiser may provide aerotows for outlanded contestants.

The cost of such aerotows will be announced on the participants' informative session.

Contestants may use services of another airfields on which the outlanding took place. In such case, the contestant needs to inform the organiser about an outlanding. Furthermore, when approaching the LKKA airfield pattern, the radio announcement must contain information about repeated aerotow from another airfield.

The billing for third-party aerotows is fully in hands of contestants. The organiser does not settle such events.

G. Calculation of Scores

G.1. Scores System

Calculation system according to Annex A will be used for calculation of scores on PMČRj 2015 a PFV.

G.2. Penalties

Penalties will be given with accordance to the following sections of Annex A:

- 8.6. Penalties and Disqualification
- 8.7. List of Approved Penalties

and along with section G.2.1. with these procedures.

G.2.1. Penalty Reason not Present in Annex A

In such case director of the championships will determine the points of the penalty.

H. Protests

Protests can be filed and will be arbitrated by Jury.

H.1. Protest Period

A protest can be filed only against non-official results.

A protest against non-official results can be filed till 14 hours subsequently their publication. After this period, the results will become official.

In case of last competition day is the period 2 hours.

H.2. Protest Fee

Protest fee is 500,- CZK.

I. Results and Prize Giving

Will be performed according valid Competition code, sections 6.5 and 6.7.8.

František Vrtěna Cup will be evaluated separately. Pilot on the first place will become the winner of PFV.

J. Fees and Services

(not introduced in previous sections of these Local Procedures)

J.1. Accommodation in Camp

The organiser arranges a camp on the Křižanov airfield premises for 100 CZK/person/day. Tent/caravan; electricity is included in this price.

Children under 10 years of age come free.

The contestant is responsible to report all accommodated persons over 10 years of age.

The organiser recommends preferring gas heating appliances to electric for the sake of electric power supply stability in the camp.

J.2. Catering

Catering will be provided adequately to possibilities of the Křižanov airfield bar.

Breakfasts will be arranged in form of snack in the bar.

Dinners may be delivered and distributed up to some limited extend in the bar.

The contestants can use other opportunities in restaurants in Křižanov (3,5km), Ořechov (2,5km) and other surrounding villages and towns.

J.3. Hangaring

Hangaring is possible only in limited numbers. Free space will be reserved for VSO-10-like gliders without a closed trailer.

All other gliders will be stored in trailers on specified locations.

K. Final Provisions**K.1. By registering to PMČRj 2015**

The contestant

- Testifies he/she understands and complies with the valid FAI Competition Code (general section, Part 3: Gliding, Annex A).
- Confirms he/she is familiar with documents listed in section Final Provisions of these Local Procedures.
- Confirms he/she understands requirements set by these Local Procedures issued for PMČRj a commits himself/herself to comply.
- Confirms he/she has all required qualifications and permits necessary for attendance in the championships and his/her glider is eligible to fly.
- Agrees with personal data collection by aeroclub Křižanov and their sharing with AeČR secretariat.
- Agrees with publication of his/her name and home aeroclub affiliation, sport qualification and performance or possibly selected personal information in relation to PMČRj media presentation.

K.2. www.lkka.cz

The official PMČRj 2015 website is continuously updated to publish fresh information about the championships. We recommend following this site on regular basis.

L. Appendices

Appendix 1 – Airfield Area, Camp, Trailers and Airplane Anchoring Locations

Appendix 2 – Grid on Runway 140°

Appendix 3 – Take-offs and Landings on Runway 140°

Appendix 4 – Grid on Runway 320°

Appendix 5 – Take-offs and Landings on Runway 320°

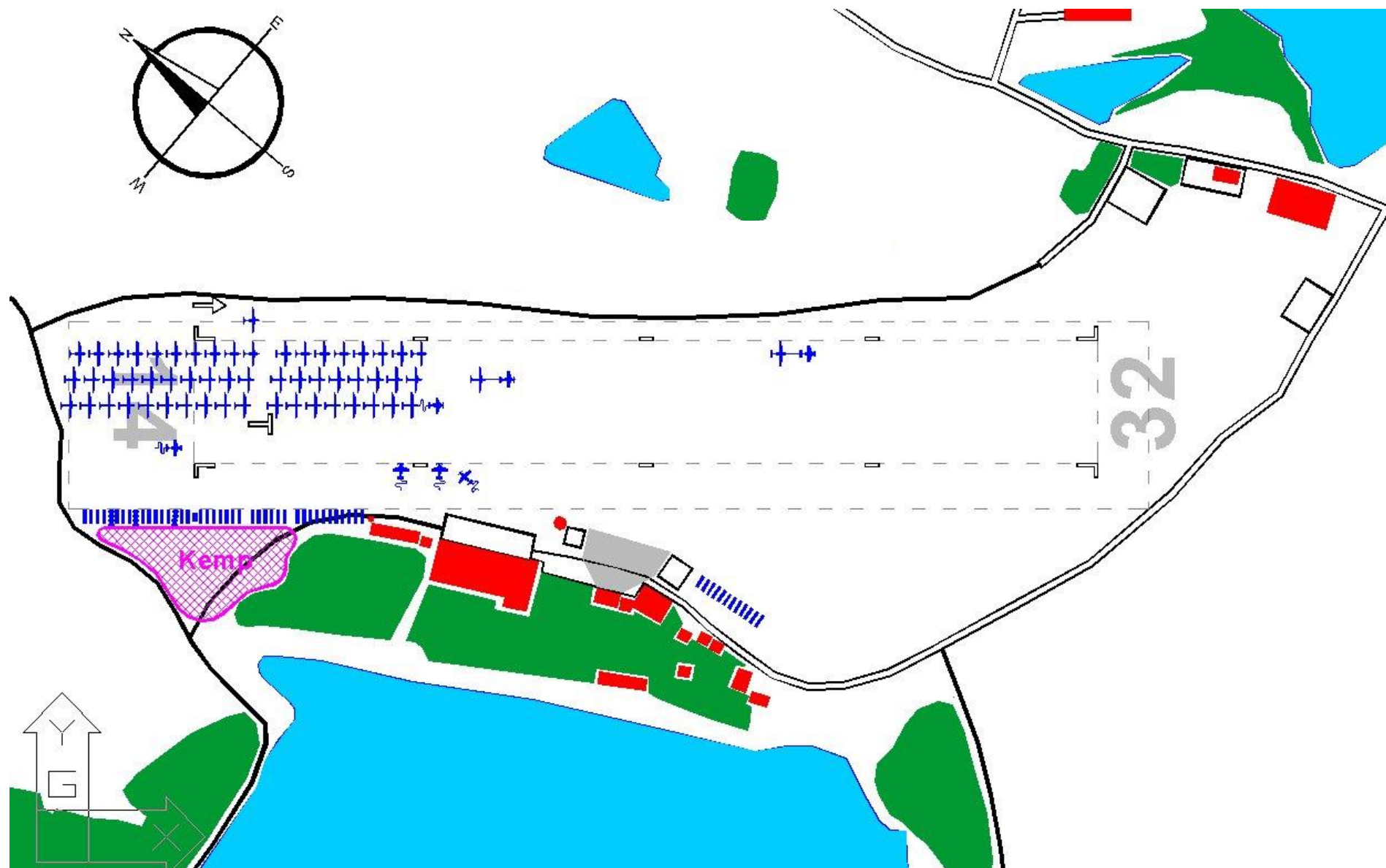
Appendix 6 – Starting Line

Appendix 7 – Finish Ring

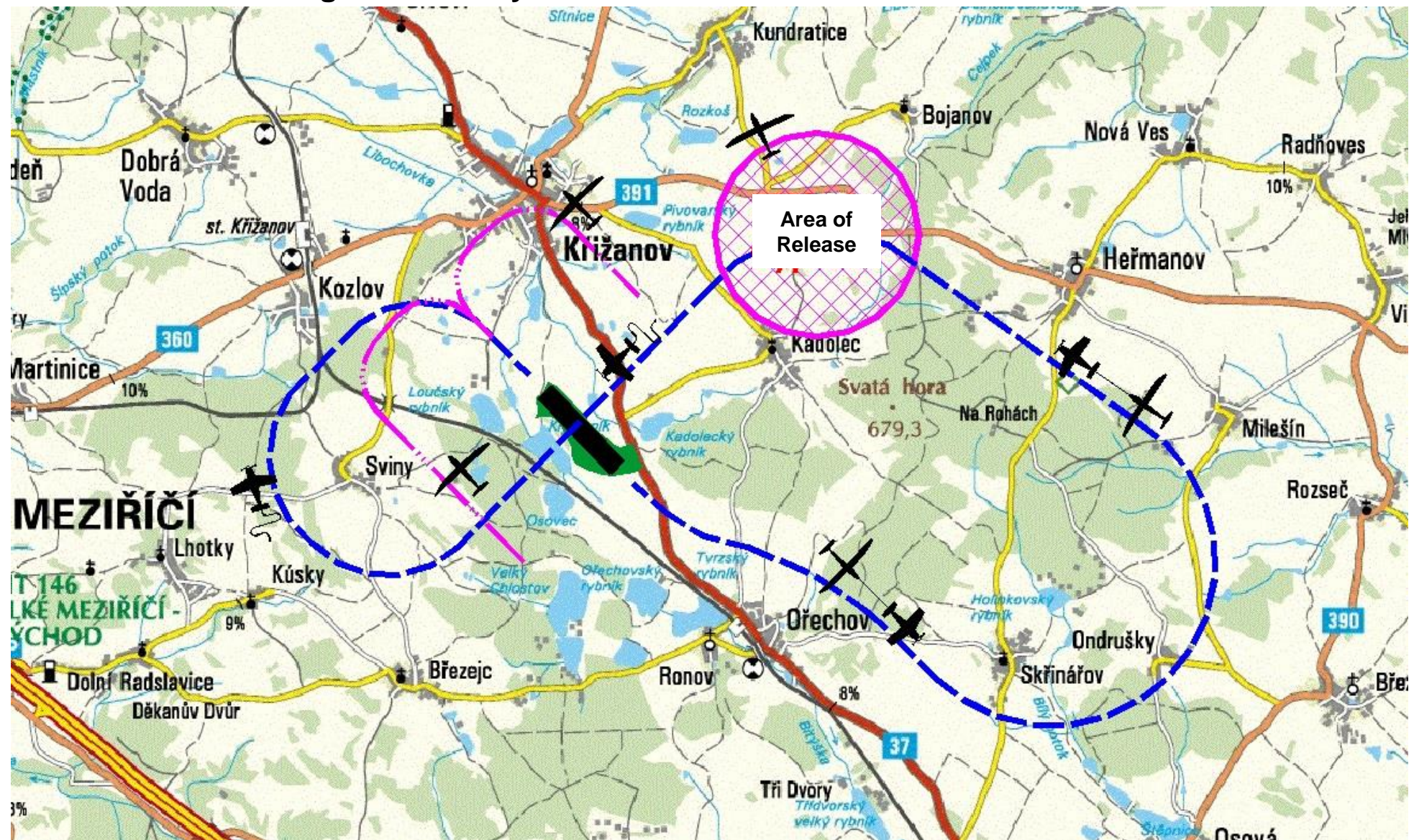
Airfield Area, Camp, Trailers and Airplane Anchoring Locations



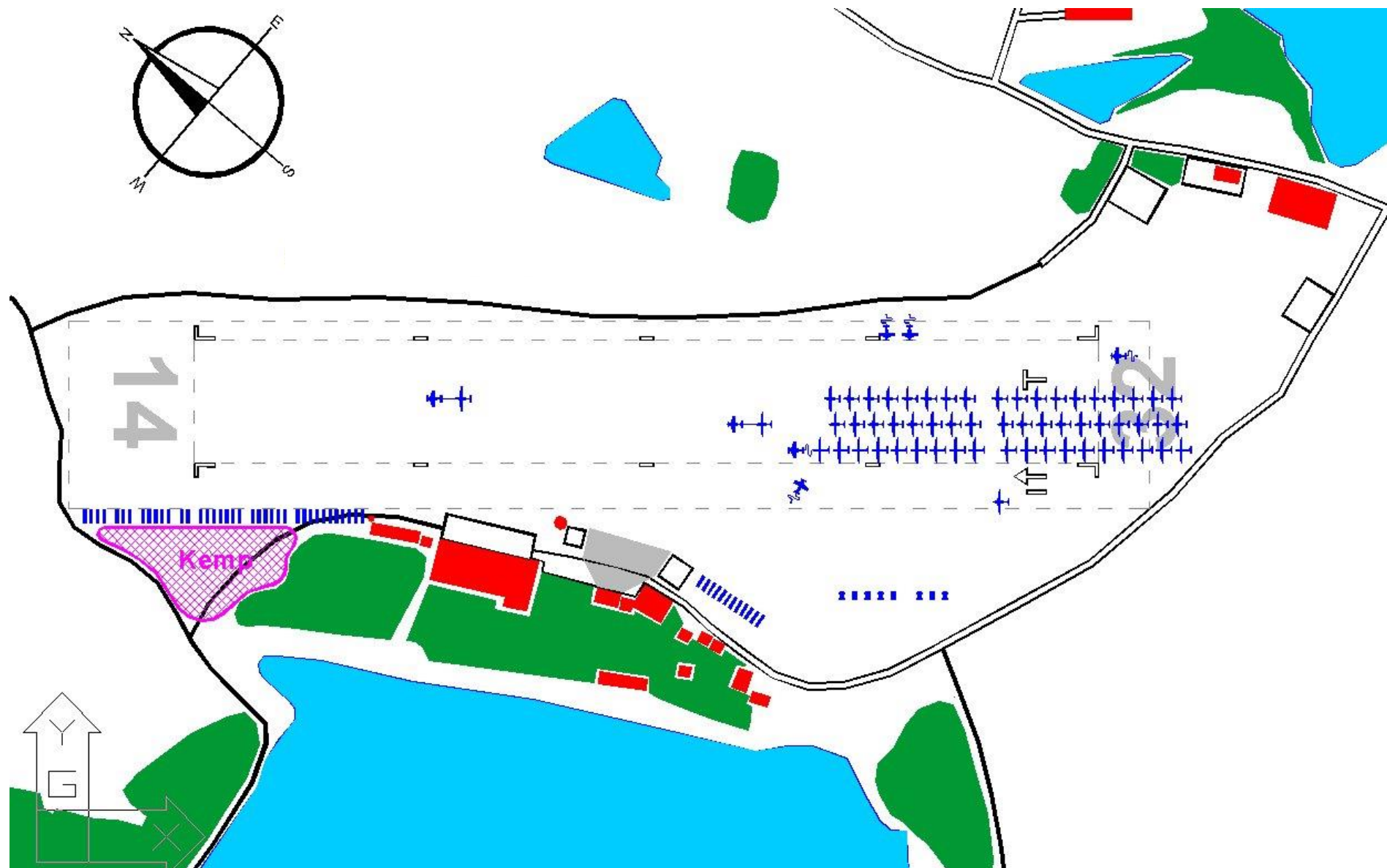
Grid on Runway 140°



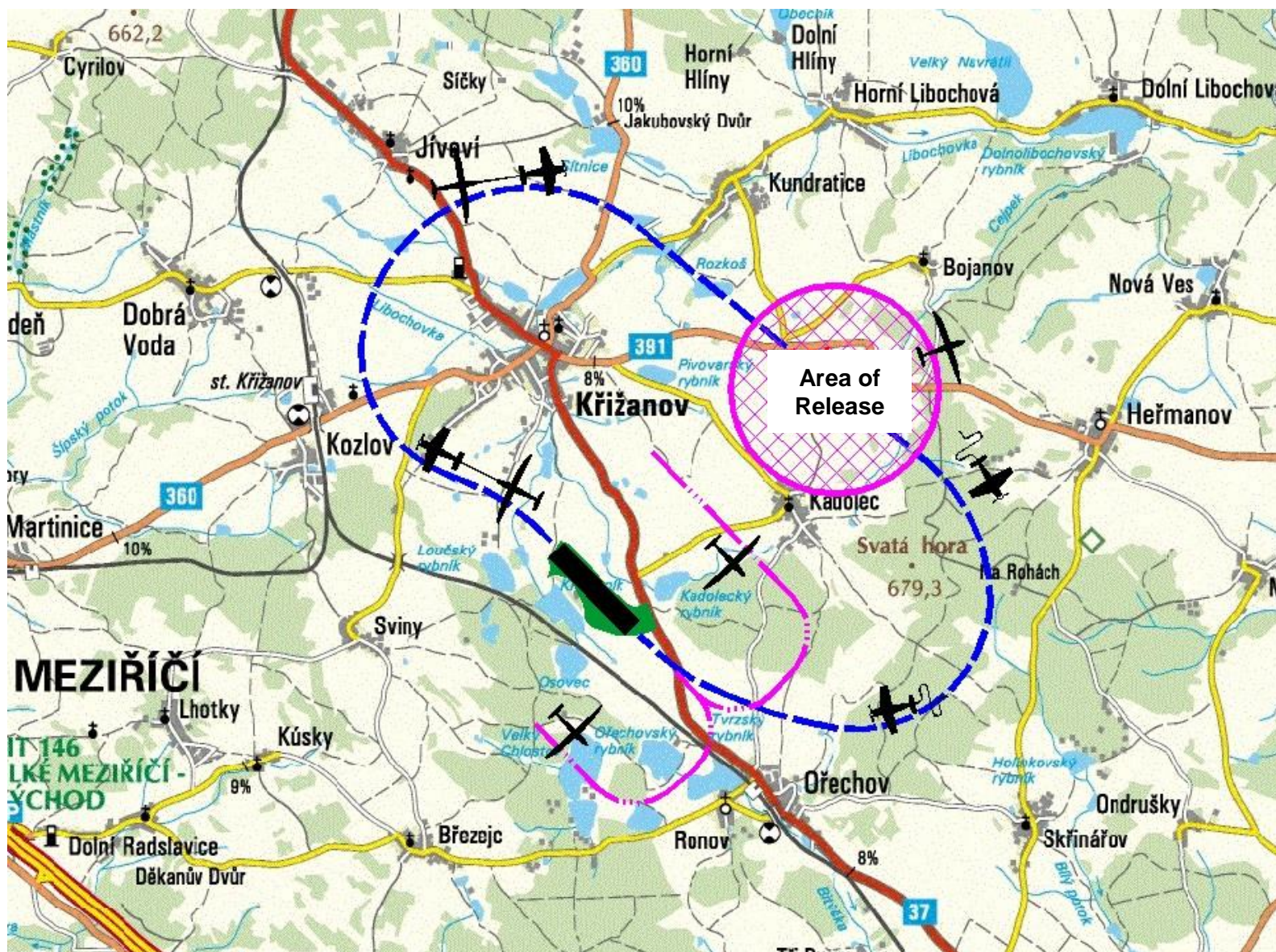
Take-offs and Landings on Runway 140°



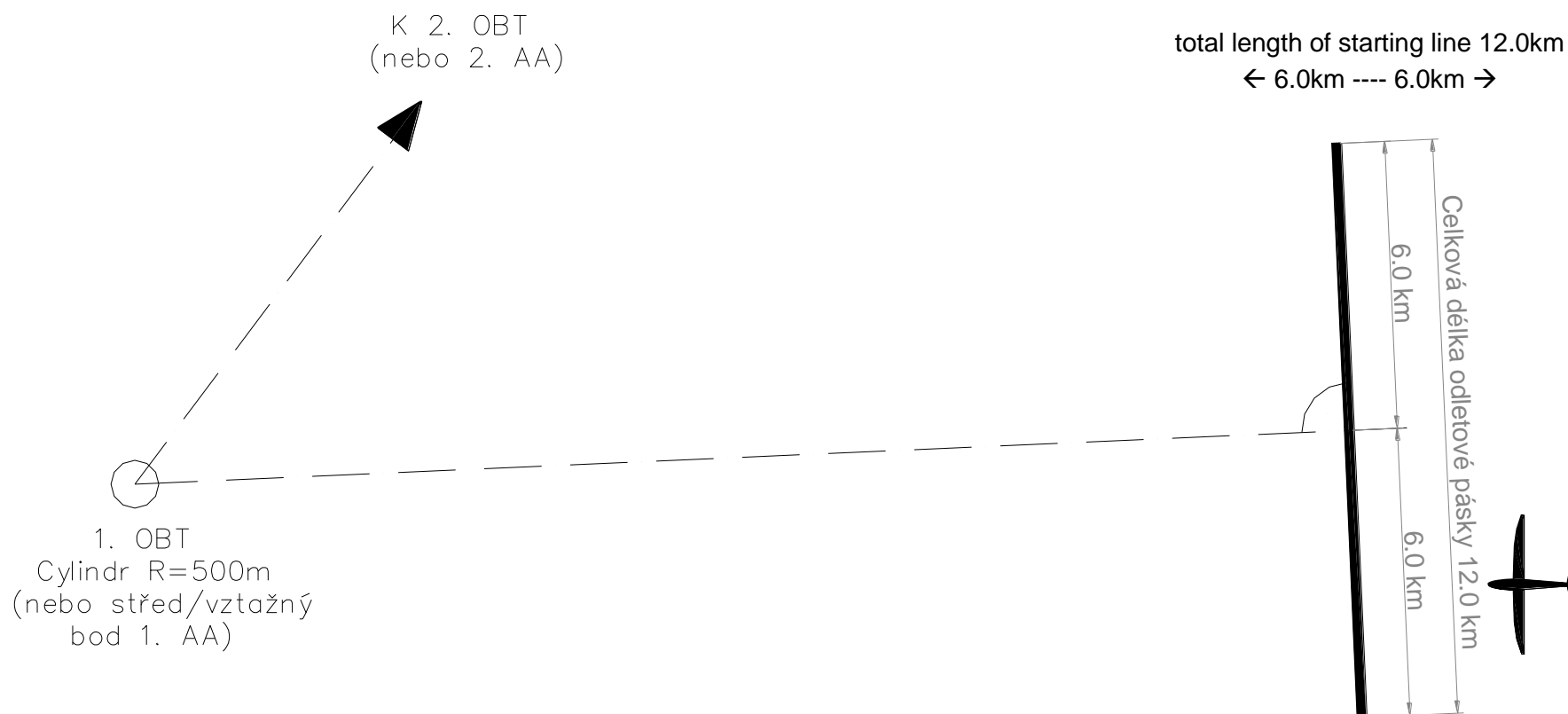
Grid on Runway 320°



Take-offs and Landings on Runway 320°



Starting Line



Finish Ring (radius R = 3 km)

