

BID FOR

16TH PARAGLIDING WORLD CHAMPIONSHIPS



PELAGONIJA

KRUSHEVO

MACEDONIA

05th, August, Monday - 18th, August, Sunday, 2019

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1 HIGHLIGHTS OF THE BID

- Proposed competition site, Krushevo and Pelagonija Valley, average **90% of taskable days**, It has the **most reliable paragliding weather on the planet**.
- Complete Flight Area is **free from Airspaces of any kind**.
- If granted, 2019 Paragliding World Championships, will be **run by one of the most experienced** and homogeneous organizing teams in the paragliding world.
- **Complete Paragliding World Cup man-power and know-how** at disposal.
- We will provide **Live Tracking accompanied by Live Streaming and Live Commentary** with full company support and experienced staff running it.
- Flying Area has **100% network coverage**, 4G capable, tested and proven in many competitions.
- **Super reliable meteo forecast** supported by live, on site, measurements.
- **Free SIM cards**, provided by the Organization, to facilitate communication between Competitors, Organization's Staff, Officials and Safety services.
- This competition site has a **safety record second to none**.
- **Rescue Team and Ambulances always present** on take-off, following the course and in a goal at the end of the task.
- **Rescue helicopter (VFR) on standby** at Skopje Airport with 60 minutes response time.
- **High-Tech Headquarters** for the competition, full visualization of the Live Tracking, retrieval progress, downloads.
- **Headquarters in a hotel with full services**, nice terrace, drinks, food, social life.
- Main principle of the FAI: "***Event must be safe fair and satisfactory***" **will be carefully preserved** and integrated in every aspect of the competition.

2 ORGANIZERS: 16TH PARAGLIDING WORLD CHAMPIOSHIPS



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With generous support from:



**Општина
КРУШЕВО**

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3 NAC approval for the 16th Paragliding Worlds Championships



CONFIRMATION

November 30, 2016

**Hang gliding and Paragliding Commission of FAI
CIVL - COMMISSION INTERNATIONALE DE VOL LIBRE**

Aeronautical Federation of Macedonia with this notice confirms and supports the organisation of the 16th Paragliding World Championships 2019. The 16th Paragliding World Championships - 2019 will be organised by paragliding club Delta Prilep and Goran Dimnikovski, which we believe will do their best. Our member is experienced in organising competitions of the highest FAI Cat.1 rank.

Aeronautical Federation of Macedonia is especially proud to give the maximum support to the organiser of the 16th Paragliding World Championships 2019, within its capabilities in order to maintain and raise the standards previously set for a match of this ranking.

Sincerely yours,

General Secretary
Violenta Krasoska




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4 Municipality of Krushevo Support Letter

	Република Македонија Republic of Macedonia Општина Крушево Municipality of Krushevo
TO	
Hang gliding and Paragliding Commission of FAI CIVL - COMMISSION INTERNATIONALE DE VOL LIBRE CIVL President, Mr. Stephane Malbos	
Subject:	
Letter of support	
	No. <i>03-sl-01.12</i> .2016 год.
	Крушево Република Македонија Republic of Macedonia Општина Крушево Municipality of Krushevo
	Никола Ѓурковиќ бр. 56 7520 Крушево Тел: 048 477 041 Факс: 048 477 045 E-mail: opstina.krushevo@krushevo.gov.mk Сайт: www.krushevo.gov.mk
	Nikola Gjurkovic br. 16 a 7520 Krushevo Tel: ++389 48 477 041 Fax: ++389 48 477 045 Mail: opstina.krushevo@krushevo.gov.mk Web: opstina.krushevo.gov.mk
According to your information about 16th Paragliding World Championships 2019, Municipality of Krushevo within its facilities and resources will give maximal support for successful organization on this 16th Paragliding World Championships 2019.	
We hope that this Championship will be held in Krushevo, Republic of Macedonia for what in advance we thank you.	
Yours sincerely, Municipality of Krushevo Mayor, Gjorgi Damsheski	

4.1 With direct support from:

- DCVP - Government Agency for Civil Aviation
- MNAV - Macedonian Air Traffic Control Agency
- Ministry of Internal Affairs
- Ministry of Tourism
- Government Agency for promotion of Tourism in Rural Regions
- Government Agency for Youth and Sport
- Mayor of Krushevo
- Krushevo Tourism Organization

5 PROPOSED DATES FOR THE EVENTS:

5.1 Dates for the Pre Worlds, Cat 2:

Proposed dates are: 05th, August, Saturday - 12th, August, Saturday, 2018

5.2 Dates for the 15th Paragliding World Championships 2019:

Proposed dates are: 05th, August, Monday - 18th, August, Sunday, 2019

6 GENERAL NOTES, THE TEAM AND THE PLACE

Regarding typical services requested from the organizers to reach Paragliding World Championships - Category 1 Event standards, I sincerely believe that myself, as well as my team, can meet and exceed them and provide competitive, safe and sportively fair environment for a high profile paragliding event. We were already tested in many international events, including Category 1 event. We proved that we are capable of handling such a task with all responsibility and confidence needed.

Also, site itself, characterized by a very predictable and reliable weather, friendly and easy to understand wind patterns, as well as, clearly laid topology, is representing perfect venue for this particular kind of competitions. Not to be overseen, is the blend of folklore and tradition that Krushevo possess. In addition to the favorable sportive aspects of the site, it provides unique cultural experience that may last for a lifetime.

General Organizers, are linked with this place for their entire life, knowing how to fly it, how to live it, how to make others use and enjoy the true potential of this venue to the maximum.

Rest of the organizing team members, all of them highly experienced and motivated, are also up to the task of running Paragliding World Championships 2019. They gained their experience in numerous Cat 2 events, Paragliding Pre World Cups and World Cups and recently, during the 2016 FAI Paragliding Europeans held at the same place with the same team.

This team possess all of the motivation needed, as well as, all organizational and communication skills required, to make this event sportively excellent, yet pleasurable experience.

Macedonia is considered like cradle of culture but it is also good to know that proposed competition site, Krushevo, might be considered as cradle of Vol Libre (among handful of other sites worldwide), as first flights from this site were performed in the early Seventies. Competitions followed and, if you accept this bid, all that know-how gained in meantime will be at your disposal.

7 INTRODUCTION

7.1 General info on the region:

- Official name of the host country: Republic of Macedonia
- FAI recognized name of the country: FYR, Macedonia
- Official language in the country: Macedonian
- Location: South-eastern Europe
- Geographic coordinates: 41 50 N, 22 00 E
- Area total: 25,333 sq. km water: 477 sq. km land: 24,856 sq. km
- Border countries: Albania 151 km, Bulgaria 148 km, Greece 246 km and Serbia 221 km
- Capital: Skopje, one of the two International Airports in the country
- Climate: warm, dry summers and autumns and relatively cold winters with heavy snowfall

Wider region, topography, neighboring countries



- Terrain: mountainous territory covered with deep basins and valleys; three large lakes, each divided by a frontier line; country bisected by the Vardar River
- Elevation extremes: Lowest point: Vardar River 50 m, Highest point: Golem Korab 2,753m
- Name of the Competition site: Krushevo
- Name of the main flying arena: Pelagonija Valley

8 THE VENUE

8.1 Town of Krushevo

Aerial view of Krushevo and mountain range to the North



The town of Krushevo is an attraction by itself. Suited at 1400 m. agl is one of the rare places where you are accommodated at the top of the mountain just few minutes walk or drive from the main take off. It is packed with historical points of interests, churches and monuments.

8.2 Attractions and points of interest:

Town and Lake of Ohrid is just 70 km away, offering wonderful beaches and summer holiday facilities, endemic fish plates, more than 400 churches from the early days of Christianity. Ohrid represents the cradle of Orthodox Church and culture. Ohrid is UNESCO protected like World heritage site

Ohrid



. More details are available at:

- o <http://www.lonelyplanet.com/macedonia/southern-macedonia/ohrid>

We developed a practice that in case of a non-flyable day visit to Ohrid is organized. For that activity we will use busses from the official competition transportation. It is one complete day excursion.

No additional fees will be applied

Plaoshnik Church complex



Heraclea - Bitola



Bitola is another historical city worthwhile to be visited. Lot of historical sites but also contemporary lifestyle destinations might be found there. The concept of visiting Bitola is the same as for Ohrid, it is a daylong visit.

No additional fees will be applied to the pilots, team leaders or other team members.

Apart from visiting Ohrid or Bitola, another destination full of history, other attractions to be found in Krushevo are:

- all sort of outdoor activities
- interesting hiking routes,
- mountain bike tracks
- walks in untouched nature
- visiting ethno museums
- visiting rural turism facilities
- visiting shops for local products
- visiting local restaurants serving famous local dishes
- visiting bars and cafeterias
- supermarkets and other stores

8.3 Accomodation

All prices refers to the expected ones in 2019:

- Being an associated member and still not formally within EU, Macedonia and especially Krushevo, may be considered as cheap destinations compared to the EU countries.
- Accommodation examples:
 - Private houses accommodation, rooms for rent, starting price around 10 -15 € per night, per person. Usually very clean with nice people, fairly familiar atmosphere
 - Dedicated villas for rent: rooms and or flats for rent, prices varying around 20,00 € to 25,00 €, per person, per night, usually only house keeper, more privacy, usually equipped with kitchen. Examples
 - <http://vilagora.com/eng/>
 - <http://www.lakola.com.mk/en/index.html>

Hotel Montana Palas, is the best hotel in the region. Details may be obtained through:

- www.montanapalas.com

As Organizers we established excellent relations with the hotel management through years of collaboration. Montana Palas is providing us with the Headquarters, Conference Hall, meeting rooms, gliders storage, and glider checking room.

Of course there are much more options suitable for any taste or any budget. Same applies for the food and drinks, in general all of them biased to the cheaper side of the price tags. Examples: sandwiches 2,00 - 3,00 €, pizza 3,50-6,00 €, full meal - local stuff 10,00 - 15,00 €, beer in a market 0,5l can 0,60€, beer in a local bar up to 2,50 €, same applies to the soft drinks.

There is an option for a small free camping at the take-off, however, no facilities and with limited space. Pure nature, usually occupied with pilots on the basis "if there is a place, it is yours" Not moderated at all. Certainly, some criteria have to be respected in order to avoid confrontations with the local authorities. We will provide all services needed in order to help to coordinate and accommodate all pilots. Person in charge will be announced with all necessary contacts on the dedicated web site of the comp.

9 THE FLYING ARENA

The competition arena is situated in the Middle -South West part of the country. It is a biggest valley in the country named Pelagonija, surrounded with three independent mountain chains to the North, East and West. It is open to the South, to Greece, and to the mild influence of the Aegean Sea and typical Mediterranean climatic zone.

In its topology it resembles to a giant stadium where competition tasks and pilots are embraced in safety guaranteed by predictable weather and week to moderate winds.

Few photos of the Pelagonija Valley:

North -East of the Competition area:



South of the Competition area:



Central part of the Pelagonija Valley



Central flatland has few small hills placed in very strategical places task setting wise. They are acting like permanent thermal triggers and helping pilots to stay in the air on slow and difficult days. Due to round shapes and shallow slopes, lee side thermals are developing constantly through the day.

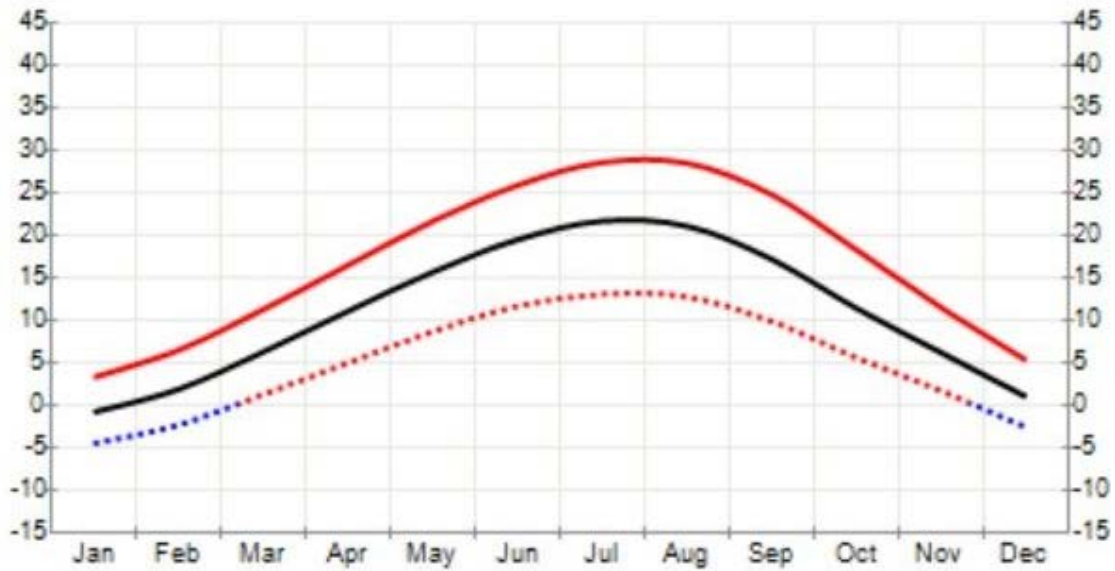
10 METEOROLOGY OF THE COMPETITION AREA:

Summer like feeling is hitting the region quite early in the year, averaging temperatures of 25 degrees Celsius, or so, already in April - May. Period of June up to mid-July is considered as relatively unstable. Later on, as summer progresses towards proposed dates for the competition, conditions are improving and are considered as best in terms of predictability. Air is calmer yet sufficiently unstable and permits execution of high profile paragliding competitions.

Mid-August is the period of the year with most consistent weather and conditions are suitable for execution of the highest level of competitions.

10.1 Temperature in Pelagonija Valley:

Average temperature, Pelagonija Valley, per month



10.2 Precipitation in Pelagonija Valley

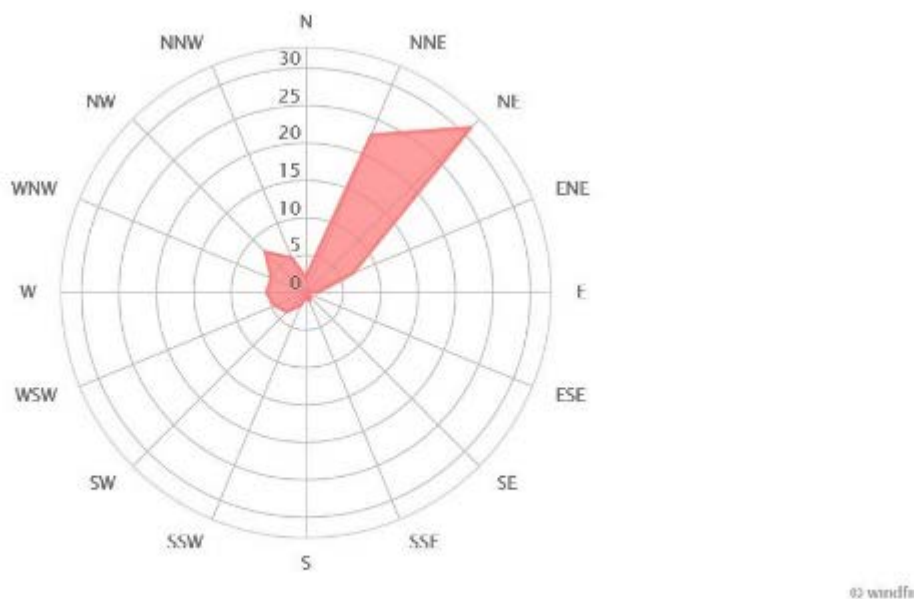
Average rainy days, Pelagonija Valley, per month



10.3 Winds in Pelagonija Valley

Although Macedonia is exposed to NW wind flow during complete year, Competition region is characterized with permanent influence of the NE wind which is typical for Pelagonija Valley all year long.

Wind Rose, Prilep, Pelagonija, August



However, wind strength is usually not an issue for the Pelagonija valley. General Meteo wind is strongly influenced by the local thermal breeze. Local easterly winds create very dependable flying conditions alongside the main Mountain chain, especially at the main take off in the first part of the day.

As North wind is penetrating the valley latter in the day, constant cycles of thermals are triggered in the valley giving a possibility for interesting fast and tactical crossings in between chains on the opposite sides of the valley, facing to each other.

In the recent years we were constantly averaging 6 flying days out of 7. It will be modest if we say that to expect 90% of the days to be flyable, is reality for this site

Winds pattern of the flying area is exceptionally straightforward, easy to understand, follow and predict.

10.4 Meteo Forecast:

In the recent years we vastly improved forecasting of the meteo conditions for particular task day. That is due to the development of the local numerical meteo model run by the Government Agency that could be found at: www.meteo.gov.mk.

Topolcani Meteo Station



Also, huge advantage of this flying site is that it possess a dedicated meteo station on the top of the hill of Topolcani, exactly in the middle of Pelagonija Valley. We are in close contact with the staff of this meteo station and we are getting reliable updates on hourly basis. Due to this set up, during the last Europeans in 2016 we had 100% reliable forecast with accurate wind, cloud base and overdevelopment predictions. Also we will use:

- Air Resources Laboratory from NOAA (National Oceanic and Atmospheric Administration) - <http://www.arl.noaa.gov/ready/cmet.html>
- XC Skies - Soaring Forecast Maps & Tools - <http://www.xcskies.com>

11 TAKE-OFFS

There are four main take off. Two of them on the main ridge, within a walking distance from the HQ hotel and from the competition bus terminal. All departures and final arrivals of the pilots are organized from the terminal in front of the Hotel Montana.

11.1 Main Take offs

Meckin Kamen East.



Covering NE, E, SE wind directions,

elevation 1450 m asl, suitable for up to 150 competitors, asphalt access road, artificial grass covered for maximum glider protection and providing non-slippery surface for the pilots, without any kind of obstacles, surrounded with nearby woods with heavy shadow for briefing. It is characterized with highly defined house thermals making beginning of the task as well as start pylon waiting quite easy. It is on the top of the mountain with broad view so it is easy for MD to monitor beginning of the task, possible overcrowding or another safety risks.

We are using this take off in the 90% of the flying days

Meckin Kamen West.



Covering NW, W, SW wind directions, elevation 1480 m asl, suitable for up 150 competitors in regular take off conditions, in case of strong wind or dominant cross wind, ordered launch might be needed on this take off. Some of the best flights in the region started from here. It is on the top of the mountain also with broad view so it is easy for MD monitor beginning of the task, possible overcrowding or another safety risks. Asphalt road is approaching this one too, it is in the walking distance from the East take off even if pilot is fully geared up, quite convenient in the case of rapid changes in the wind direction. In such an occasion both take off might be in use simultaneously upon the task committee or MD decision.

At the top of the mountain, there is a dedicated helicopter landing place, 300 meters from the East T.O. and something like 100 meters from the west T.O.

We managed to run very successful tasks from this T.O. In certain difficult wind conditions, ordered lunch might be considered.

11.2 Alternative Take Offs

Take Offs: Treskavec



Recently a new T.O. Was opened at the location of Treskavec Monastery, which is giving even more opportunities to organize successful and safe tasks 1150 meters asl, asphalt access, big parking and glider preparation area.

It is opened to the rare wind directions, and as a consequence, it is very helpful on the days with particularly difficult meteorological conditions.

Red arrows on the picture are pointing to the S, SW take off (right) and NW, W take off (left). Monastery complex is on the top.

11.3 Facilities at the Take-offs and Landings

- Main Take off Meckin Kamen:
 - artificial grass surface
 - refreshments;
 - water for pilots ballast
 - 2 shelter tents
 - one media tent
 - amphitheatre in the natural shadow for task briefings
 - dedicated area for the Task Committee meetings
 - male/female toilets
 - electricity
 - 3G internet for free through the free SIM cards for the pilots and team leaders
 - parking for organization, team vehicles and visitors.

- Alternative Take-Offs Treskavec:
 - refreshments;
 - water for pilots ballast
 - 2 shelter tents
 - one media tent
 - dedicated area for the Task Committee meetings
 - portable male/female toilets
 - generator for electricity
 - 3G internet for free through the free SIM cards for the pilots and team leaders
 - parking for organization, team vehicles and visitors

- All Official Goals:
 - refreshments;
 - 1 shelter tents
 - male/female toilets (Sport Airfield only)
 - 3G internet for free through the free SIM cards for the pilots and team leaders
 - parking for organization, team vehicles and visitors

- All Takeoffs, Landing and Goals, will be equipped with Wind-socks of large size and steamers in the wider area.

12 LANDINGS

In general landing fields are not an issue as it is a flatland area and we are able to organize official landings almost everywhere.

12.1 Landing Field 1

Meckin Kamen East Landing.



It is positioned just in front of the main take-off. Easily reachable with glide ratio performance. Asphalt road is touching it, wide green grass covered field, open to any approaching direction, safe on the main road to T.O, communal buses are passing by as well as numerous locals.

12.2 Landing Field 2

Logovardi Sport Airport has a very low frequency of activities. That is giving us an opportunity to use this as a landing field in the middle of the valley when conditions are having tendency to overdevelop. This area is usually affected last, so it is giving a chance to complete the task even on fairly difficult days.

Asphalt road is touching this landing field, it is easily accessible and very convenient with all facilities that one sport airport may have.

Sport Airfield Logovardi



12.3 Landing Field 3

Sport Airfield Landing Malo Konjari



There is no activity at all due to some deformations on the grassy airstrip. It is on the main road in between Krushevo and Prilep easy to access with any kind of transportation, snacks and drinks can be easily provided by the organizer. In the

days with uncertain wind pattern this landing is perfect as it is in the middle of the Valley so no risk of any kind when using it.

12.4 Landing Field 4

Ribnici - South landing field:



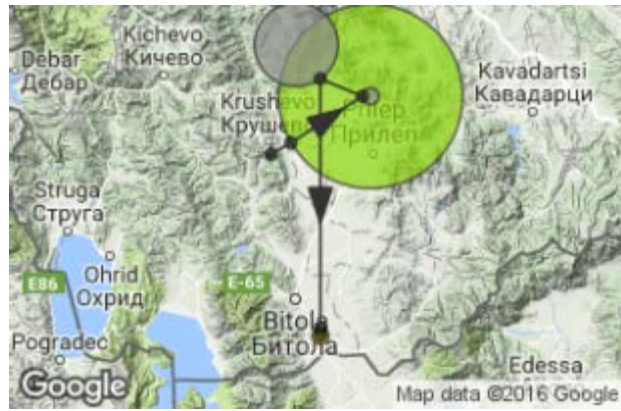
It is situated nearby border with Greece, 60 km south from the main T.O. We are using this one in the case of prominent North winds in combination with fast zigzag downwind tasks combined with short upwind legs through the flats. Again, it is touching the main asphalt road to Bitola, regional center, very open and safe.

13 TASKS

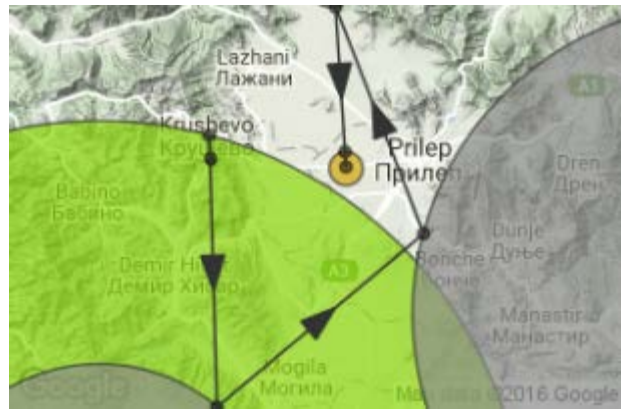
Virtually any kind of task is possible within the flying area. And hundreds of task variations have been tried. Very modern Concentric Cylinders and Mirroring Cylinders, different triangles combining mountain leg with two flatland legs, triangles with three flatland legs, along ridge fast out and return, square tasks along the valley borders, wind rose style tasks or combination of previously mentioned ones. It is up to the quality and experience of the task committee to choose the best possible task for the day. Options are endless.

Distances that are usually possible within the flyable period of the day are around 100 km going up to 140km on extraordinary days. Some examples:

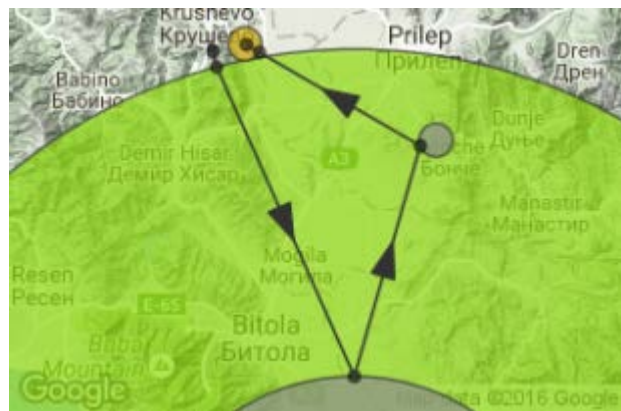
- Task 8 Euro 2016, 97km km



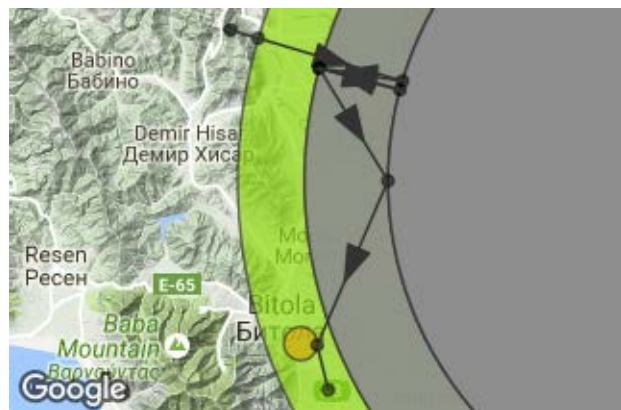
- Task 6 Euro 2016, 116 km



- Task 9 Euro 2016, 95 km



- Task 2 Euro 2016, 94 km



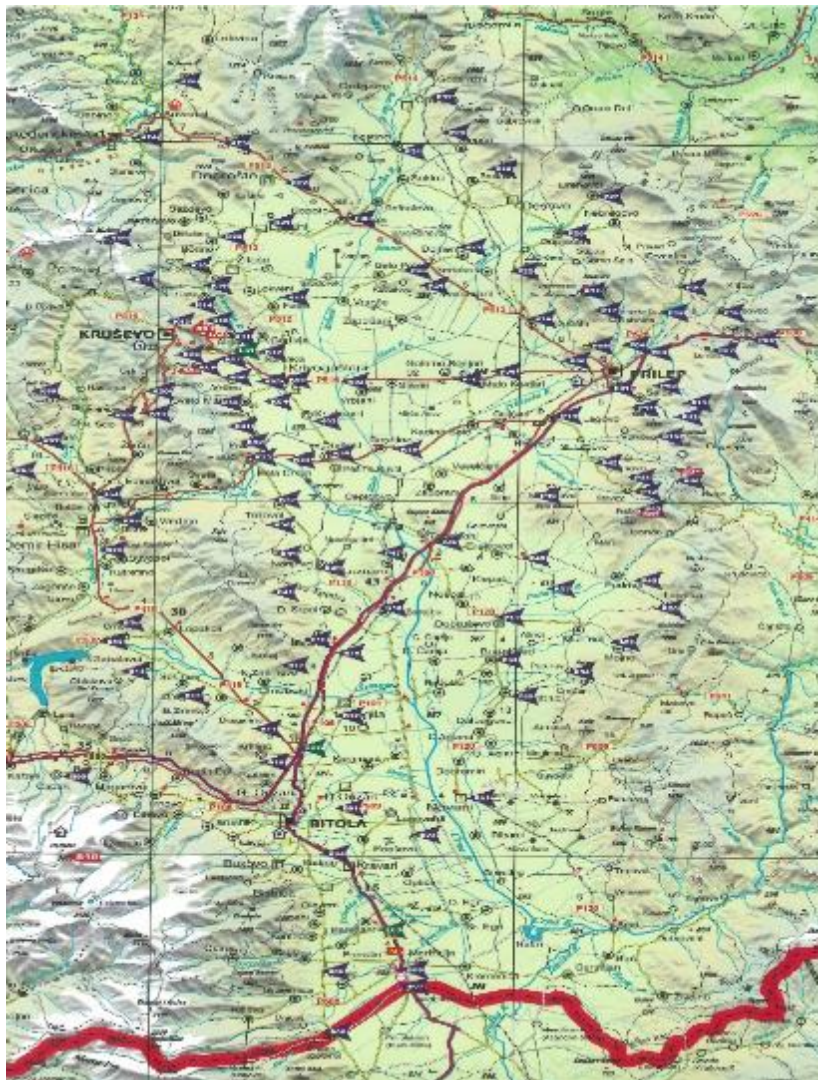
13.1 Task Map

Task map provided to the pilots is of very high quality with all necessary layers implemented. Main and local roads as well as all villages are clearly visible and map itself is very useful once on the ground as it is a huge help for orientation and navigation.

All turnpoints are checked multiple times, they are proven to be correct and safe,. Same applies for all of the official landings. Names and coordinates of the turnpoints are also printed on the side of the map for a reference.

Map will be printed on high quality paper in A3 format.

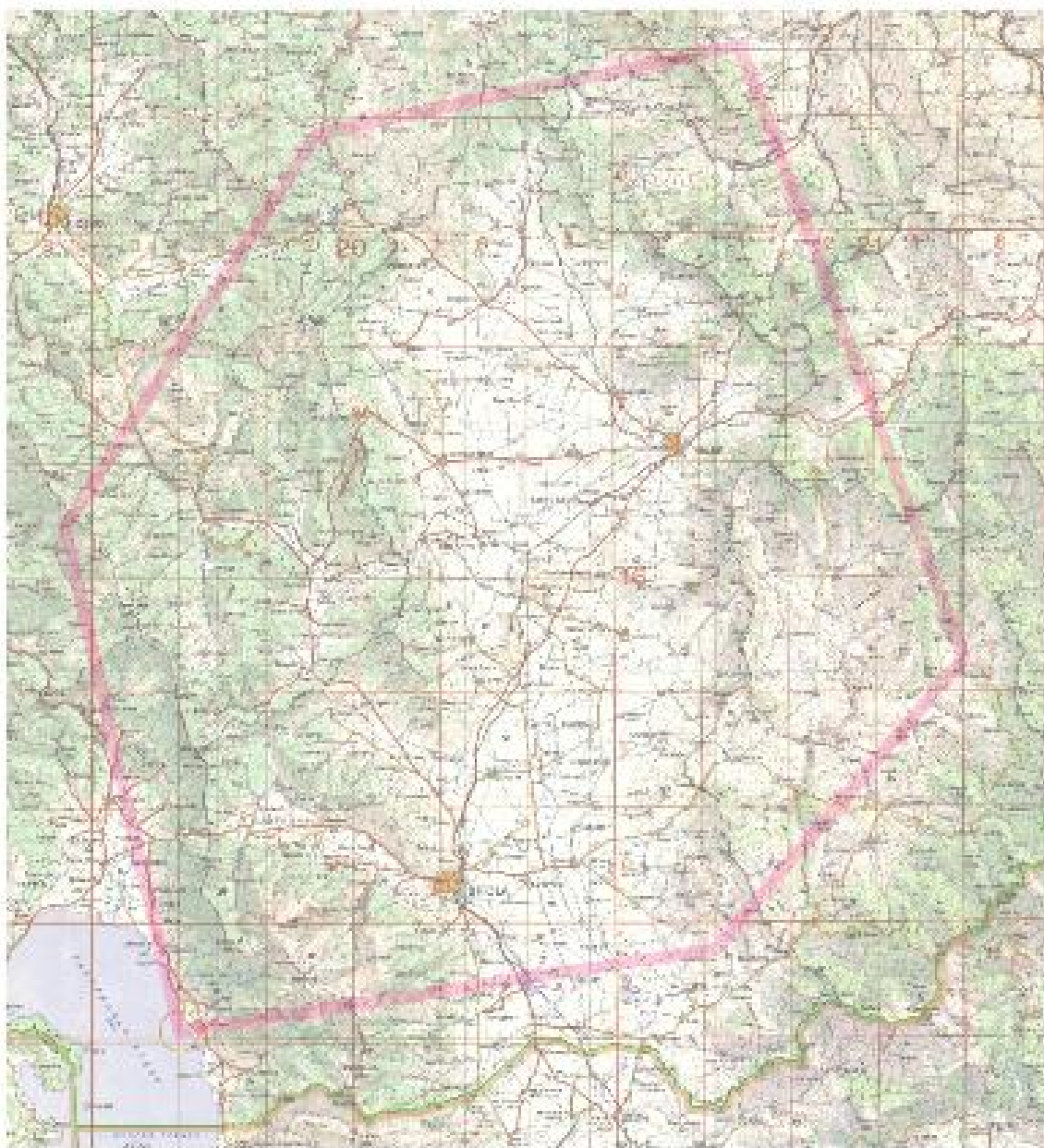
Waypoints map



14 AIRSPACE AND OTHER FLIGHT RESTRICTIONS

One of the most important things regarding this flying site is that **it is free from any kind of airspace limitations**. In close collaboration with the authorities, we manage to keep it this way for years. NOTAM will be issued for the site and the dates, so all measures will be taken to provide open and safe flight arena. Area covered with a typical NOTAM exceeds our flight boundaries by a huge margin enabling freedom in the task setting.

NOTAM map



15 SAFETY

15.1 First Aid and Medical Assistance:

First aid will be provided by the team present at the T.O. We will have dedicated medical crew with equipped ambulance car every morning available before activities started.

Also, mountain rescue team will be available on the T.O. during launching. All potential incidents will be handled at site and if further assistance is needed, pilot will be transported to the facility most appropriate.

15.2 Hospital Assistance:

In the region we have available three hospitals:

- Hospital in Krushevo:
 - It is suitable to provide basic care, treating non complicated fractures, wounds and ordinary illnesses. Usually they are redirecting more demanding patients immediately to the:
- Polyclinic in Prilep (25 min drive in ambulance)
 - fully equipped and providing accommodation during the period of recovery.
- Polyclinic in Bitola (45 min drive in ambulance)
 - fully equipped and providing accommodation during the period of recovery.
- If further assistance is needed, especially in life threatening situations, patients are transported to Skopje where we have lot of Hospitals at every level of service and care. (2 hour drive in ambulance or 40 min in a helicopter)

Transportation to Skopje if needed is provided by ambulance cars or helicopters in case of extreme urgency.

15.3 Mountain Rescue

The town of Krushevo has its own dedicated Mountain rescue team. They are licensed for such an activity and quite experienced with paragliding related incidents. Please note that their arrangement is to take care of the pilot himself. In case of complicated equipment rescuing that is time and effort demanding, hourly fee for the work of the team will apply. Details of the procedure and the fees will be explained and agreed at the General briefing.

15.4 Helicopter Evacuation

Helicopter rescue is available in Macedonia. In order to have this service provided we contacted our Ministry of Internal Affairs which is responsible body in the country.

- helicopter and the crew are based in Skopje
- response time is approximately 45 min, depending on the other incidents going on at the moment.

Service is activated and deactivated on daily basis. During the actual task, we have permanent phone contact with the pilot and the crew.

Please note that we will activate this service only when we have pilot's life endangered. We can't use helicopter for mountain rescues that are not life threatening. For such a cases we will use our mountain rescue team.

At the main take off there is landing pad if assistance is needed there. On the tasks lines there are numerous suitable places for helicopter landings that are adding responsiveness to the helicopter service.

16 RELATIONS WITH PUBLIC SERVICES

We are working very close with all subjects within civilian services domain at the local and the national level. Full support to our activities will be demonstrated from their side in order to provide environment suitable for executing high profile sport event.

Daily regulation of the traffic, as well as, physical surveillance and assistance from the police officers will be at hand for the pilots and officials.

17 COMPETITION EXECUTION DETAILS

17.1 Entry Fee

- Entry Fee for the Pre-Worlds will be: 170,00 €
- Entry Fee for the 15th Paragliding Worlds Championship will be: 470,00 €

17.2 Daily shedule

08:15 Team Leaders Briefing in the HQ

09:00 Informational Briefing in the HQ, results from the previous task

10:00 Start of transportation to the T.O.

11:00 Distribution of lunch packs and Live Trackers at T.O.

11:45 Task Briefing

12:30 Window opening

18:00 Last landing

19:00 Downloading process, trackers recuperation

21:00 Provisional Results

17.3 Event Headquarters

The Headquarters will be situated in Hotel Montana's entrance hall, a great place, lockable, immaculately illuminated and spacious, used since several years as paragliding competitions HQ.

The Headquarters with more than 1000 m2 will be equipped with:

- Airconditioning system
- Multiple 55inch screens, LT, Live Scoring, Downloads, Fast Retrieve monitors
- Wireless Internet access for pilot use.

HQ Set UP



Registration



- Auditorium for briefings, with 280 seats
- Several, Toilets for men and women
- Printers, Scanners and Faxes.
- Wireless projector and Pa system for organization and FAI officials
- Meeting rooms for teams, and organization staff
- One separate toilet for organization & FAI officials
- Sports hall
- Big car parking
- Place were the pilots can leave the gliders, even during the night
- Dedicated area for gliders checks, indoor, glider friendly flooring
- Bar with working hours exceeding the HQ open hours

17.4 Web site

Airtribune web service will be used for this competition. Arrangements with the Airtribune management are already set. Complete selection, payment and final registration will be carried through this service. All cost related will be covered by the Organizers.

- Up to date agreement with Airtribune has been made. If this service cease to exist, we will provide the equivalent level of the web service.

17.5 Take Off preparations

Net will be provided, or some other protection for the wings, although, Take Offs are good enough even without a net. There are no rocks so that is not an issue. All necessary preparations on the T.O. will be performed prior to the comp.

17.6 Waypoints

Waypoint file is tried and tested many times. Turnpoints are safe, correct and very useful. Naming and format is up to the latest standards and accepted by all existing instruments and softwares.

17.7 Airspace Restrictions

No restrictions.

17.8 Scoring

We will provide the fastest and most reliable download service in the actual competition world. Requirements (software) and procedures (accepted hardware) described in current version of Section 7 will be fully respected. We are able to provide super-fast display of the daily results due to the technology we will use for this comp.

17.9 Downloads

Although we will use the full potential of the Live Scoring, possible with our Flymaster LT units, physical presence and physical contact of the pilot/instrument with the scorer in the HQ will be required.

17.10 Transfer to Launch

Transfers to the T.O. Are starting from the HQ, in front of Hotel Montana where we have appropriate parking place for manipulating vehicles, gliders and other equipment. From there, transfer to the main T.O. Is taking 7 minutes. It is usually efficient and well organized with zero stress, important for the day to start well.

17.11 Retrieval Composition

- Transportation is organized on the 150 pilots calculation basis.
- One big bus, usually designated to the goal with capacity of 54 places.
- One medium size bus with 30 places.
- Five medium sized buses working in cycles like shuttle buses with 18 places.
- Two 9 seat bus.
- Contracted taxi drivers with individual cars to pick up isolated pilots that are not on the task course line

-

17.12 Retrieval Concept

All buses are equipped with AC, drivers are very experienced and familiar with typical pilot's needs and behavior.

Pilots' Assistants (navigators) will be assigned to each bus to facilitate efficient pilots recuperating.

Pilots' Assistants are English speaking, they will have mobile phone, radio and gps on board. Water will be available on the busses and will be distributed by the assistants if needed.

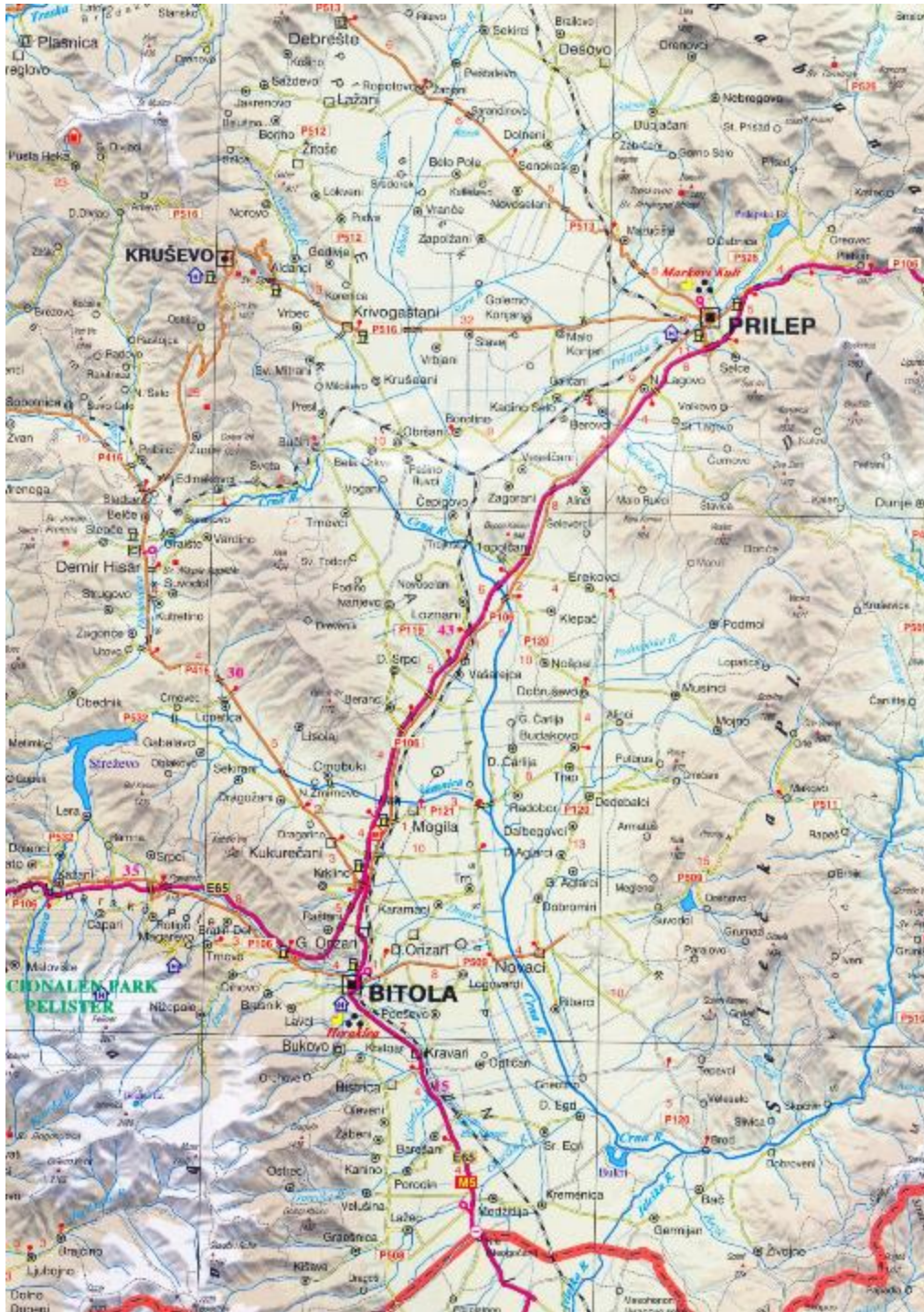
These set up is tried and tested and suitable to the place and road network in place.

All the retrieving control will be based on positioning through the GPS coordinates transmitted by pilots after landing. The live-tracking system will be used as part of the retrieving system.

Recently, large scale road works were performed in the eastern part of the valley opening new possibilities for task setting. Also retrieve timings were reduced significantly. There are many small asphalt roads connecting some remote villages that are giving additional comfort to the retrieval in general.

Following map with all roads, even the smallest ones marked, was recently completely revised and updated, It will be distributed to the Team Leaders to help them locating their pilots if needed. Same map is used in the retrieve buses.

Roads Network in Pelagonija Valley



18 SIM CARDS

SIM cards for the competitors will be provided for free. If there will be a further need for the SIM Cards, they will be available for sale at commercial price.

19 RADIO

Radio usage is aloud within the comp and on allocated frequencies. It is strongly advised that each competitor use VHF hand-held radio on dedicated Safety and Retrieve frequency. As a reference we are usually working on 145.320 for safety and 145.425 for retrieve.

20 TELEPHONE

As mentioned SIM cards will be available, they have certain amount of free minutes within the competition group that are more than sufficient for two weeks of ordinary comp communication. Also, it is very easy to recharge your SIM at almost every corner for very modest price. (3,00 € for supplementary free week of usege).

21 LIVE TRACKING

At the moment, we are at the forefront of “dedicated for paragliding” LT development. That is giving us (organizers) an opportunity to select the most advanced option available in 2019. Things are moving fast in multiple directions but as previously mentioned, LT will be in place at highest available standard.

- LT for this event will be supported also with all necessities like monitors in HQ, monitors on the terrace of the hotel and in the bar.
- LT will be streamed on multiple web platforms
- Live Streaming will be integrated in trhe presentation of LT (work in progress)
- Live commentary will be integrated in the presentation of the LT (existing technology)

22 LIVE COMMENTARY

Recently Paragliding World Cup developed a new media tool to enhance the quality of Live Tracking. While LT is displayed on certain web platform, in the same time life commentary is displayed in a side bar as the task is progressing, explaining the crucial moves of the pilots, tactical options, possibilities, difference in flying styles and similar.

PWCA web site has a huge incensement in site visits since Live Commentary is an integral part of it.

We will make this service available for the 15th World Championship 2019 also.

23 LIVE STREAMING

We also started to work with a respectable Partner on providing video streaming equipment, hardware and software, for this Championships. The concept is very similar to the well-known FB Live but pushes the technology further to be suitable for paragliding activity.

Depending on the development of the technology up to 2019, we will implement Live Tracking, Live Commentary and Live Streaming as integrated paragliding entertainment and media platform

We are targeting top 10 male pilots in the comp and top3 female, if they agree, to be equipped with this brand new devices and technology.

24 MEDIA COVERAGE

The organization intends to give a maximum projection to the event. Such goal will be possible through a complex media coverage reaching a wide range of media, information and entertainment platforms.

That's why our decision is to outsource complete Media activities to the SingUp Marketing Agency, already proven in this field of activities:

- www.signup.com.mk

Newspapers, magazines, TVs as well as internet, will be fed with multiple content from video trough photo and text reports.

For video production contract is already set with Philippe Broers, one of the best aerial paragliding videographer.

For photo production Goran Kuzmanovski is also contracted. He proved his capabilities during many free flight events and especially with feeding the web with the photos from the last Europeans in 2016.

SignUp will process all the rushes and photos and take care of the following:

- Full video processing of the daily imagery;
- Organizing a Media Center producing daily rushes and feeds for TV's access through a dedicated server;
- Producing daily summaries for Webcasts;
- Live, on-location Webcasts on a daily basis with general images, interviews and comments;
- Photo material processing and follow up with daily photo-packs;
- Organizing PR Office with daily production of Press-release and media distribution;
- Taking care of Journalist's management, reception and PR coordination for easy, full access to the event's action;
- Production of a final TV documentary to be broadcasted on national TVs as well as distributed throughout several countries.

The daily produced contents, will be processed as soon it comes to the Media Center and immediately edited. Each day, a series of interviews will be made to feed content's database. The subjects may vary in case of non-flying days, but there will always be a story produced

Special care will be taken for international media partners as papers, magazines, websites, to will receive releases and media packs including Text, Photos and Movies available for download. All this media will be available in professional formats so could be used as plug and play files.

Wrapping up the event, documentary movie will be produced with the primary goal to be internet streamed but also to be broadcasted on National and eventually International television.

25 OPENING AND CLOSING CEREMONIES

All the media events will be outsourced to a professional marketing agency, SignUp. Opening and Closing Ceremony will be organized, supervised and executed by this agency. They already proved their capabilities with organizing all protocols and ceremonies for the Hang Gliding Europeans held in 2016 at the same venue.

Opening Ceremony Defile



Both ceremonies will be organized at the main city square in case of favorable weather, or in the Conference Room of Hotel Montana if the weather conditions are not permitting outdoor event. Traditional dances and folklore will be performed. Presence of the Officials will be assured.

Closing Ceremony



Special care will be taken with the organization of the Closing Ceremony. It will be held on Sunday, ensuring no time conflicts as usually happens if it is held on the last competition day (Saturday).

25.1 Party during the Comp

We will provide a party with a free dinner with the local food, drinks, music and hospitality.

As Krushevo is also known for its ethnic specifics and tradition, this evening will be organized to reflect folklore, traditional foods and drinks in collaboration with local people, restaurants and bars. Timing of this event will be defined according to the weather conditions and suitably announced on the task briefing in advance.

26 THE STAGE IS YOURS

We can use a Conference Room in Montana Hotel for such an events. From our side we can provide an extensive presentation on the local flying area, wind pattern, possible tasks, how to fly them and all info related.

Also, if any pilots - team leaders - officials are willing to have his/her/theirs own session, we will be happy to assist in organizing it and support it with all technical means necessary.

It is also possible to have movies on a big screen as Montana's Conference Room has all the technical items for a real cinema experience.

27 INSURANCE

All pilots must have insurance with the following coverage:

- Third party liability insurance 1 000 000,00€.
- Personal accident insurance, including life, medical and repatriation minimum value of 25 000€.
- Any pilot arriving without a valid insurance or holding one with insufficient coverage can subscribe it during the official registration through AXA insurance. Up to date price and conditions will be explained in the LR for this event.

28 VISA REQUIREMENTS

Citizens of the **European Union** and nationals of **Iceland, Norway, Liechtenstein** and **Switzerland** do not require a visa to enter Macedonia. Have the right to reside in national territory for a period up to three months without any conditions or formalities other than the ownership of an identity card or valid passport.

Comprehensive list of countries that require visa to enter in Macedonia may be found at:

- <http://mfa.gov.mk/index.php/en/for-foreign-nationals/entry-visa-for-the-republic-of-macedonia/entry-visa-for-the-republic-of-macedonia>

Organizers are more than happy to assist pilots with any visa issues.

29 WHAT IS PROVIDED?

29.1 Included in the entry fee

- Registration procedure, uploading of turn points
- Pilot info package including: Local guide to Macedonia and particularly Krushevo, presents from the the sponsors.
- High Quality Map of the flying area in multicolor standard, A3 format, with turn points plotted, waypoints with coordinates and names listed, road network for retrievals indicated.
- All transportation, shuttle buses to the take-off, all retrievals from the main road network previously defined on each task briefing.
- Downloading of the track logs, calculating and displaying of the results.
- Lunch pack containing sandwich and energy bar. Water will be not provided. It is drinkable all over the place and we stopped distributing it on ecological basis.
- Parties for the pilots, including food and certain amount of free beer, in a previously arranged restaurant or a bar. If going out of Krushevo, transportation will be covered.
- All local fees to the NAC, civil aviation local Authorities,
- Rescue team for mountain operations, equipped and licensed.
- Ambulance on the take-off, fully equipped and mobile, moving in the direction of the landing for the particular task.
- T-Shirt of the competition
- High quality color A3 competition map
- Free SIM Cards for the Competitors and for the Team Leaders
- Most advanced Flymaster Live Tracking available at he time of the competition.

- Live streaming capability and equipment for a certain number of pilots (top 10 men and top 3 women)

29.2 Optional, additional fee:

- Local transfer from the Skopje airport to Krushevo will be organized on personal basis with each pilot that will need such a service. Fee for this service will be 25,00 €, one way.
- Lunch pack modification might be organized on personal basis with the pilots within the originally calculated price.
- Local visits to tourist destinations might be organized upon a fee previously presented.
- Additional parties or dinners might be organized for the teams, groups of pilots or for the officials upon a fee.
- SIM cards from the same provider as for the competitors, with same pre-paid package, will be provided at the registration for sale to the interested parties.

30 PARTNERSHIP

With the Europeans in 2016, we proved our capability to attract major Partners from the paragliding world and we already started to work into that direction. **Confirmations of interest to partner with us are already received from three major paragliding companies.**

If we receive organization of the Worlds, the benefits of this this partnership will be transferred directly to all parties involved, CIVL. Teams, Pilots and the Organization of the event.

31 THE ORGANIZING TEAM:

Goran Dimiskovski	Meet Director	General Organizer
Martin Jovanovski	Safety Director	General Organizer
Ulric Jessop	Scorer 1	Live Commentary
Stanislav Velchev	Scorer 2	IT Assistant
Chris Trow	Retrieve Manager	Live Tracking
Dragan Jankovski		Live Tracking Assistant
Jane Markoski		Goal Marshal
Mile Lazovski		Launch Marshal
Vladimir Zdravkovski	Retrieve Coordinator	Logistics
Vladimir Barakovski	Media Director	NAC Coordinator
		SignUp Agency Director
Belma Hodza	Pilots HQ Assistance	Public Assistance
Goran Dimiskovski		Meteo Forecast
Martin Jovanovski		

32 SUMMARY

We are really motivated to make this comp successful event, as that will be another proof of the capabilities of Krushevo flying arena as a reference competition site and will promote our team as a capable organizers. We already made Nordic Open, Slovenian Open, Czech Open, Polish Open, Ukrainian Open numerous times, Russian Cup, PWCs in 2012 and 2014, Hungarian Open, Lithuanian Open, Serbian Open, British Open, FAI Europeans 2016.....and we honestly believe that the 16th Paragliding World Championships will be the crown of this list..

33 Provisional Budget:

EXPENDITURE	VALUE
2 Years Preparations	
Preparations, administrative work	1000
Travel expenses for meetings	1500
Communications	500
FAI Related	
FAI Sanction Fee	5120
FAI Officials (4) Travel Expenses	3000
FAI Officials (4) Accommodation and Food	3360
FAI Officials (4) Car Rental	1400
HQ Related	
HQ Equipment Rental	2000
HQ Event Branding	1000
HQ Stationary and Material	1000
Equipment and Services	
Goal Equipment	1000
Take Off Equipment	1000
Live Tracking	3000
Live Tracking Assistant	600
Live Streaming Integration	1000
Live Streaming Assistant	600
Live Commentary Integration	1000
Live Commentary Assistant	600
Pilots Related	
T-shirts	2000
Registration Package for the pilots	1500
Daily Prizes for Task Winners	600
Packed Lunches	4320
Pilots Party	2000
SIM Cards for Pilots and Team Leaders	800
Competition Maps for Pilots	400
Retrieval Maps for Team Leaders and Staff	300
Opening Ceremony	1500
Closing Ceremony	2500
Competition services	
Competition Transportation	12000
Mountain Rescue Team	2100
Medical Services, Mobile Ambulances	1320
Staff Related	
International Staff Travels (5)	3500
International Staff Accommodation and Food(5)	3000
International Staff Fees	6000

Domestic Staff Travels	300
Domestic Staff Accommodation and Food	2000
Domestic Staff Fees	4200
Event Media Management	
Marketing Agency Fees	5000
Social Media Expert	1500
Unplanned	
Contingency	5000
Total	90520

INCOME	VALUE
Pilots Entry Fees 150 x 470	70500
Team Leaders 20 x 260	5200
Grant Agency For Youth and Sport	10000
Grant Municipality of Krushevo	5000
Total	90700