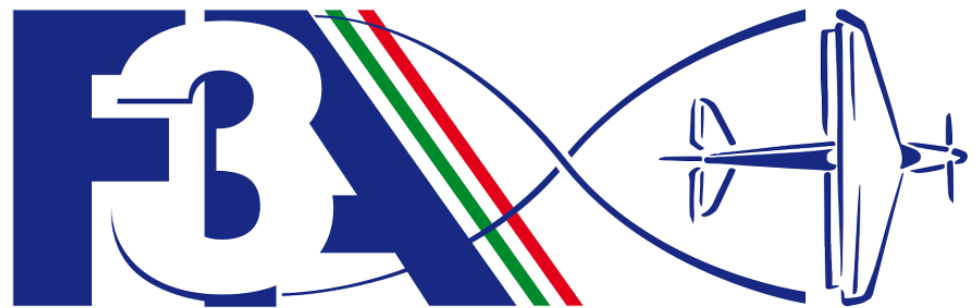


WCH 19

Vademecum

Mario Silvagni

July 2019



**2019 FAI F3A WORLD CHAMPIONSHIP
FOR AEROBATIC MODEL AIRCRAFT
CALCINATELLO (BS) ITALY - AUGUST 03/10 2019**



**This document it is intended to
prepare everyone for the processes
and procedures of the WORLD
CHAMPIONSHIP, and it is therefore
extremely important that everyone
reads this document with insight,
and more importantly,
UNDERSTANDS the document!**

Preliminary Competition Schedule

	Thursday 1-Aug	Friday 2-Aug	Saturday 3-Aug	Sunday 4-Aug	Monday 5-Aug	Tuesday 6-Aug	Wednesday 7-Aug	Thursday 8-Aug	Friday 9-Aug	Saturday 10-Aug	Sunday 11-Aug
7:30				*	*	*	*		*		
8:00										*	
8:30											
9:00											
9:30		Registration	Registration +	Preliminary Day#1 P19 (Field A/B)	Preliminary Day#2 P19 (Field A/B)	Preliminary Day#3 P19 (Field A/B)	Preliminary Day#4 P19 (Field A/B)	Reserve Day	Semi-Final Round#1 F19 (Field A)	Final Rounds F19 UnKnown-1 (Field A)	Flight Show
10:00		Model	Model Processing +								
10:30	Registration	Pr	Processing +								
11:00		Official Practice (Field A/B)	Official Practice (Field A/B)								
11:30											
12:00											
12:30											
13:00	Lunch in Casa Bianca	L	Lunch in Casa Bianca	Lunch in Casa Bianca	Lunch in Casa Bianca	Lunch in Casa Bianca	Lunch in Casa Bianca	Lunch in Casa Bianca	Lunch	Lunch in Casa Bianca	Lunch in Casa Bianca
13:30				*	*	*	*				
14:00	Staff Meeting	Registration	Model Processing +						*	*	
14:30		Model	Official Practice (Field A/B)							Final Rounds F19 UnKnown-2 (Field A)	Flight Show
15:00								Judges Training (Casa Bianca)			
15:30											
16:00				Preliminary Day#1 P19 (Field A/B)	Preliminary Day#2 P19 (Field A/B)	Preliminary Day#3 P19 (Field A/B)	Preliminary Day#4 P19 (Field A/B)		Semi-Final Round#2 F19 (Field A)		
16:30	Registration +	Official Practice (Field A/B)	Opening Ceremony								
17:00	(Early Model Processing)	Judges Briefing (Casa Bianca)								Prize Giving and Closing Ceremony	
17:30											
18:00			Welcome Buffet (Casa Bianca)								
18:30											
19:00											
19:30											
20:00								Spaghetata Italiana Miss Italia Miss CdMF3A 2019 (Casa Bianca)			
20:30											
21:00						Pilots and Subcommittee Members Meeting (Casa Bianca)	Team Managers Meeting (Casa Bianca)		Team Managers Meeting (Casa Bianca)	Banquet	
21:30			21:15 Team Managers Briefing (Hotel Torre)								
22:00											
22:30											
23:00											

* Warm Up Flight for each Judges Panel will take place 15 minutes before the start of flight session

Who we are....

Chairman

Adolfo Peracchi

Contest Director

Mario Silvagni

	Field A	Field B
F.L. Director	Manrico Mincuzzi	Franco Antognazza
Alternate / Timekeeper	Enrico Ornaghi	Andrea Coppola
Marshall	Marco Neri	Andrea Vaccari

Processing & Measurements

Angelo Silvagni

Enrico Lauricella
Andrea Vaccari
Andrea Coppola
Marco Neri

Scoring System

Roland Poidevin (field B)

Marie-Hélène Poidevin (field A)
Enrico Lauricella (field B)
Michele Carlucci (field A)

WarmUp Pilots

Jean Luis Tinturier FRA
Alberto Cantù GER

Judges Managment

Valeria Radrizzani
Isabella Cornaggia

Secretariat

Paola Battaini
Isabella Cornaggia
Rosanna Filippi

Interpreter

Elaine Moore

Logistics

Claudio Dorigoni
Marco Casagrande
Luciano Zanchi
Franco Chistè
Lorenzo Maurina
Eris Versini
Remo Dalprà

Access Management

Annalisa Teramo
Julian Carlucci

Merchandising

Linda Chistè
Laura Chistè
(Annalisa Teramo)

Meetings

Additional meeting can be scheduled, upon request of FAI Jury or CD, according to specific needs.

Meeting Name	Location	Date	Time	MUST Attend	MAY Attend
Staff Meeting	Casa Bianca	1 st Aug	14:00	Staff	--
Preliminary Draw (t.b.c.)	Casa Bianca	2 nd Aug	Early Aft	CD, FAI Jury	Any
Judges Briefing & Tuning Flights	Casa Bianca	2 nd Aug	17:30	Judges	CD, FAI Jury
Opening Ceremony & Welcome Buffet	Casa Bianca	3 rd Aug	19:00	All	--
TMs Meeting	Hotel Torre	3 rd Aug	21:15	CD, TMs, FAI Jury, Judges	Interpreter (one each TM)
Pilots and Subcommittee Members Meeting	Casa Bianca	6 th Aug	21:00	Pilots, F3A subcommittee	--
TMs Meeting (Semifinal Draw)	Casa Bianca (restaurant)	7 th Aug	21:00	CD, TMs, FAI Jury, Judges	Semifinalists
Judges Training	Casa Bianca	8 th Aug	15:00	Judges	CD, FAI Jury
Spaghetтата Italiana & Miss Italia /Miss CdM	Casa Bianca	8 th Aug	17:30	All	--
TMs Meeting (Final Draw & Unknown)	Casa Bianca (restaurant)	9 th Aug	21:00	CD, TMs, FAI Jury, Judges	Finalists
Award and Closing Ceremony	Casa Bianca (Field A)	10 th Aug	16:30	All	--

Completed...

PLEASE keep in mind...

We have **111** competitors from **39** nations

We are really proud of this and we will try to give You
the best Championship we can

BUT please help us to....



save ***“time”***...

None of us should waste time



have a ***“green”*** competition...

Power generators are forbidden in Competitors Area (both fields)

The use of cars (with engine running) is strongly discouraged



maintain ***“safety”***

Flying near the competition site is forbidden

Flying outside any training field is not recommended

Numbers on Your Sporting Licence



National FAI Licence Number

F13075

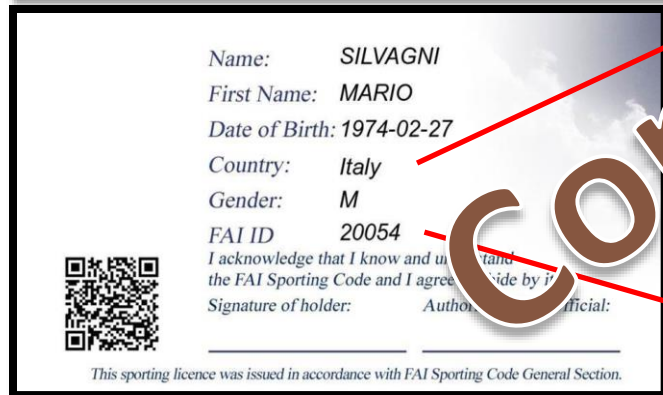
National Identification Mark

3 letter for country

ITA

FAI Unique ID number

20054



Numbers on Your Model

CIAM General Rules - C.11.1.a.i) The national identification mark followed by the National FAI licence number or the FAI Unique ID number. The letters and numbers must be **at least 25 mm high and appear at least once on each model**

➔ **ITA F13075 or ITA 20054**

CIAM General Rules - C.11.1.a.ii) model identification code (letters and/or numbers). This code has to be different for each nominated model aircraft of the competitor. The model identification code is to appear on each main part of the model (wing(s), tail, front and rear fuselage if detachable) so that the individual parts of a competitor's different models may be separately identified. The letters and/or numbers must be **at least 10 mm high and clearly visible**

➔ **A (and B) 0001 (and B001)**

CIAM General Rules - C.11.1.a.iii) A sticker, also provided by the FAI or marked to the pattern of this sticker, shall appear on each model aircraft
(beside the Model Aircraft Specification Certificate)



FAI Model Specification Certificate

First Page

Competitors Fill in all the highlighted (red) fields

Processing Team: Fills the highlighted yellow fields

Notes:

- Specify (wingspan, overall length, propulsion battery, take-off weight, sound level) only if available
- Specify the full weight (GP: without fuel / EP: with batteries)

Show or Buy the FAI Specs Certificate at [http://www.fai.org](#)

File the FAI Specs Certificate at [http://www.fai.org](#)

Completed


COMPETITOR		MODEL AIRCRAFT		STAMP OF NAC
Family Name:		Class:		
First Name:		Model Identification Code:		
FAI Personal ID Number:		National Identification Mark:		
FAI National Licence Number:				
I certify that this model aircraft fulfils all requirements as specified in the FAI Sporting Code Section 4 and has been checked in accordance with the characteristics detailed below.				
Signature:	(Competitor)	Date:		Principal checks to be completed by the organising NAC
Signature:	(NAC Official/Team Manager)			
Completed by the Competitor and checked by the NAC				
All classes except F1D, F2B, F3A, F3N, F4C, F4H, F3P		All classes except F1D		Competitor Number:
Model Aircraft Swept Area:	dm ²	Model Aircraft Weight:	g	External Identification (v)
Model Aircraft Wing Area:	dm ²	Calculated Loading:	g/dm ²	Olympic Identity Marks (Except F1D, F4C, F4H)
Model Aircraft Surface Area:	dm ²			FAI ID Number
Date: <input type="text"/> Box to be taken from the appropriate volume of the Sporting Code				
Weight Limits:	Minimum: g Maximum: g			FAI Sticker Affixed (Except F1D, F4C, F4H)
Loading Limits:	Minimum: g/dm ² Maximum: g/dm ²			Model Aircraft Identification Code (on main parts) (Except F1D, F4C, F4H)
(i) Weight limits are defined according to the class of model aircraft, either by the specific minimum/maximum weight or by the minimum/maximum loading of the surface area. (ii) Minimum/maximum loading in classes F1C, F1E, F2A, F2D, F3J, F5B, F5D, F5J				
Classes F1P, F2A, F2B, F2C, F2D, F3A, F3B, F3M, F5J		Classes F3A, F3P, F3M		Motors Marked F2A, F2C, F2D, F3D
Wingspan:	mm	Overall Length:	mm	Measurements
Class F2C (Team Race)		Propulsion battery:	volts	Rubber Motors Weighed F1B
Fuselage Height:	mm	Take-off weight:	g	Wing Tip Guide
Fuselage Width:	mm	Sound level:	dB(A)	Handle Spacing F2A
Fuselage Cross Section:	cm ²	Proof of scale (F3M)	Yes / No	Fuel Capacity F2C
Fuel Capacity:	cm ³	Class F3P		Spinner/Nose Radius F3A, F3B, F3F, F3J, F3K, F3P, F3M, F5J
Weight:	g	Zero exhaust emission:	Yes / No	Take-off/Weight F5J
Wheel Diameter:	mm	Class F5B, F5D		Weight of Power Source F5B
Class F2A (Speed)		Battery weight:	g	Special Requirements (v)
Minimum Surface Area for Maximum Swept Volume of Motor:	dm ²			Motor Cowling Approved F2C & F3D
Class F3D (Pylon Racing)				Slencer Fitted F2A, F2B, F2D, F3A, F3D
Fuselage Height:	mm	Wingspan:	mm	Fuel/Propulsion Shut-off Filled/Programmed F2A, F2C, F2D, F3A, F3P, F3M, F3D
Fuselage Width:	mm	Wing Root Thickness:	mm	Exhaust Outlet Checked F2A, F2C, F2D
Fuselage Cross Section:	cm ²	Battery weight:	g	Intake Size Checked F2C, F2D
Classes F3C (Helicopters)				Any prohibited equipment? F3A, F3P, F3M Yes No
Swept Area of Rotors:	dm ²	Type/name of gyro:		Dangerous external parts? F3P Yes No
Fixed Ancillary Surface (max 4% of the swept area of rotors):	dm ²			CHECKED BY
Controllable Ancillary Surface (max 2% of the swept area of rotors):	dm ²			Sign: _____
F1C, F1P, F2A, F2B, F2C, F2D, F3D, F3M, F4C, F4H				Sign: _____
Permitted Maximum Swept Volume of the Piston Motor(s):	cm ³			Date: _____
Permitted Maximum Thrust of the Turbine(s) – F4C, F4H:	kg (N)			STAMP OF ORGANISING NAC

Second Page

Name: _____

Country: _____

National Identification Mark: _____



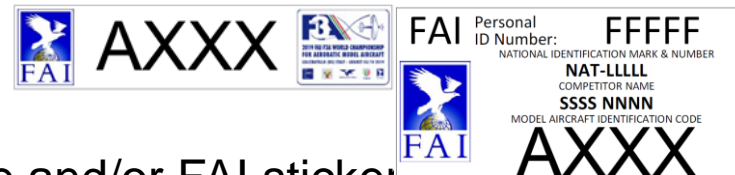
Numbers: what if....

MISSING: National Identification Mark followed by the National FAI Licence Number or the FAI Unique ID number. (25 mm high and appear at least once on each model)

➔ **Model CAN'T be processed**, please add what requested by your own care

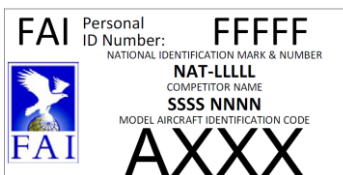
MISSING: Model Identification Code (on each main detachable part of the model 10 mm high and clearly visible) or FAI Sticker

➔ **Added** at processing with FAI and WCH19 stickers (no charge)



MISSING: FAI Model Aircraft Specification Certificate and/or FAI sticker

➔ **Added and Filled** at processing with FAI and WCH19 stickers (8€ each model: CIAM General Rules - C.12.b)



Admin Number and Vest Number

As soon You'll register You'll receive an **Administration Number** (sorted alphabetically by nation and name)

Administration Number is used for:

Any Administration purpose
Processing



After first flight order is drawn Competitor will receive their **Vest Number**

Vest Number is used for:

Access to flight area
Any issue on the flight line
Judging/Scoring



Vest Collection

Team Manager please **Collect** the bag with vest for Your Competitors from **Paola**, just after **this meeting**



Registration

Step BEFORE: Arrival
Step AFTER: Processing

Please proceed to Registration since Thursday the 1st at the FIAM desk, where TMs:

- must **show** *Filled and Signed* (or **buy** and *fill*) **FAI Model Spec Certificate** for each models
- must **file** Competitors', *Filled and Signed*, **Technical Compliance Form**
- must **file** Competitors' and TMs', *Filled and Signed*, **FAI Anti-Doping Rules & Procedures**
- **complete** any administrative issue

GET the, *prefilled*, **Processing Sheet** (one each competitor)

Processing

Step BEFORE: Registration
Step AFTER: Official Practice

Please proceed to Processing, since Thursday the 1st (afternoon), **according to the schedule** (see website/mail) where:

- **file Model FAI Model Spec Certificates and Processing Sheets**
- **proceed to Check/Measurements and to Security/Sound Test**
- allow/help staff to apply WCH19 processing stickers
- help staff with processing



SAFETY Note: Never plug any Power during processing except when instructed (i.e. all batteries disconnected)

Spinner Check

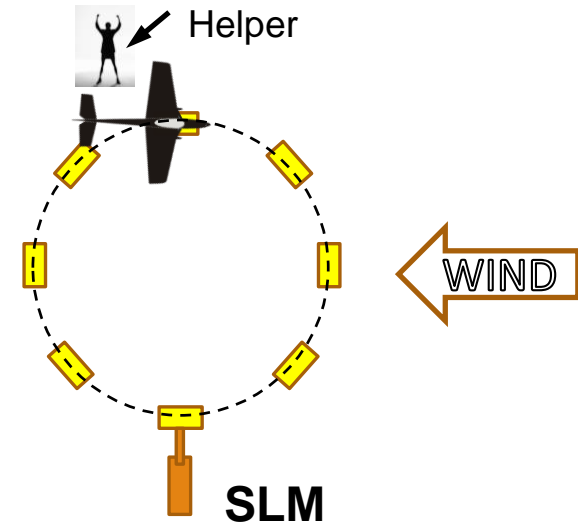


Security/Sound Test

Step BEFORE: Registration
Step AFTER: Official Practice

Follow the instructions of the processing staff to:

- **reach** the SLM area, with the processing staff
- **get** the models ready (EP: propulsion battery disconnected)
- (EP only) **perform** a safety voltage measurement
(NOTE: battery **must** be fully charged)
- **perform** Security Check by **switching OFF** transmitter (Note: the propulsion device must automatically shut-off or fully idle at the moment an R/C signal failure occurs)
- **proceed** to Sound level Measurement
- when all is completed follow the staff instruction to finalize processing



Official Practice

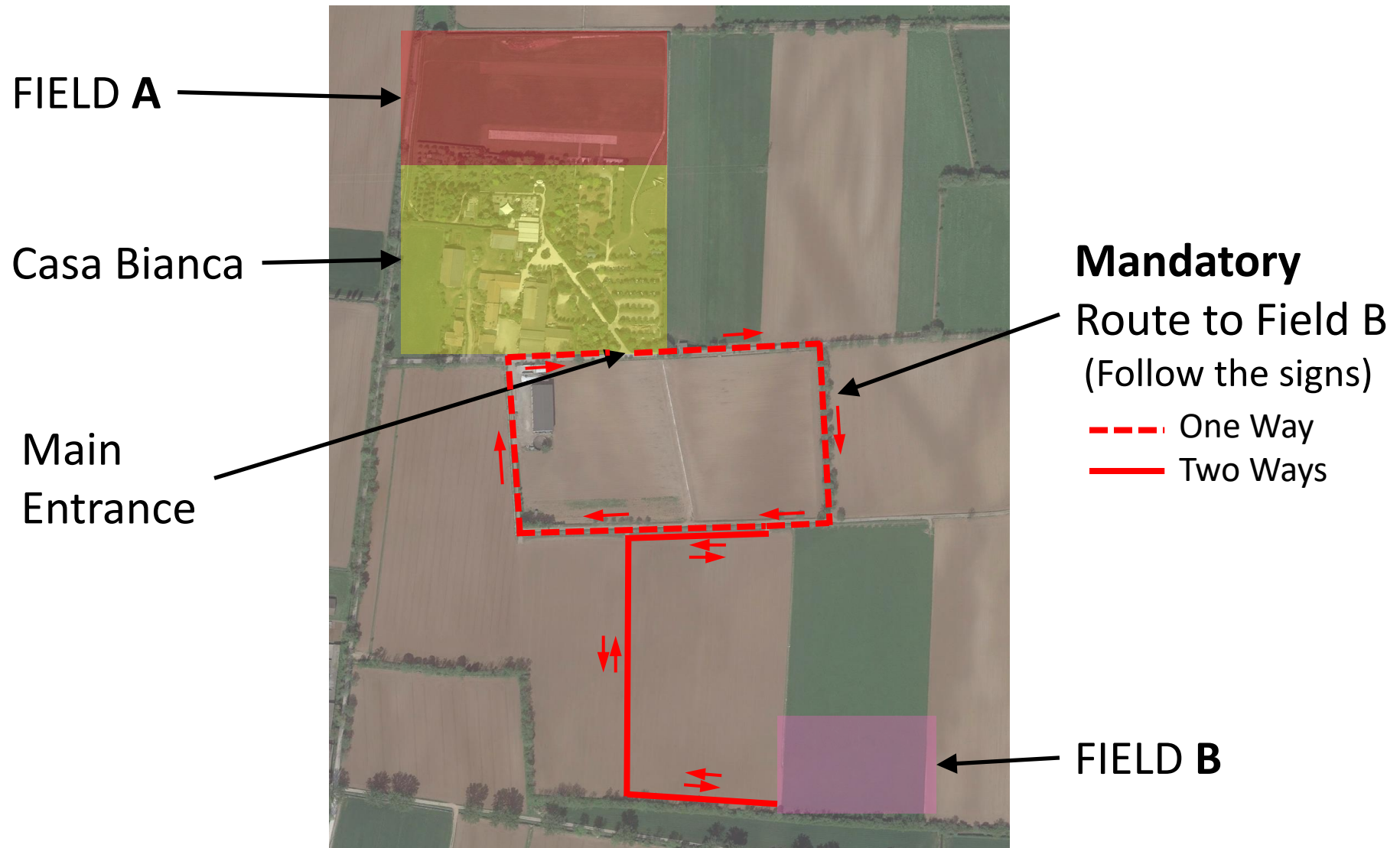
Step BEFORE: Processing
Step AFTER: Competition

On Friday the 2nd and Saturday the 3rd , **according to schedule** on field A or B (see website/mail)

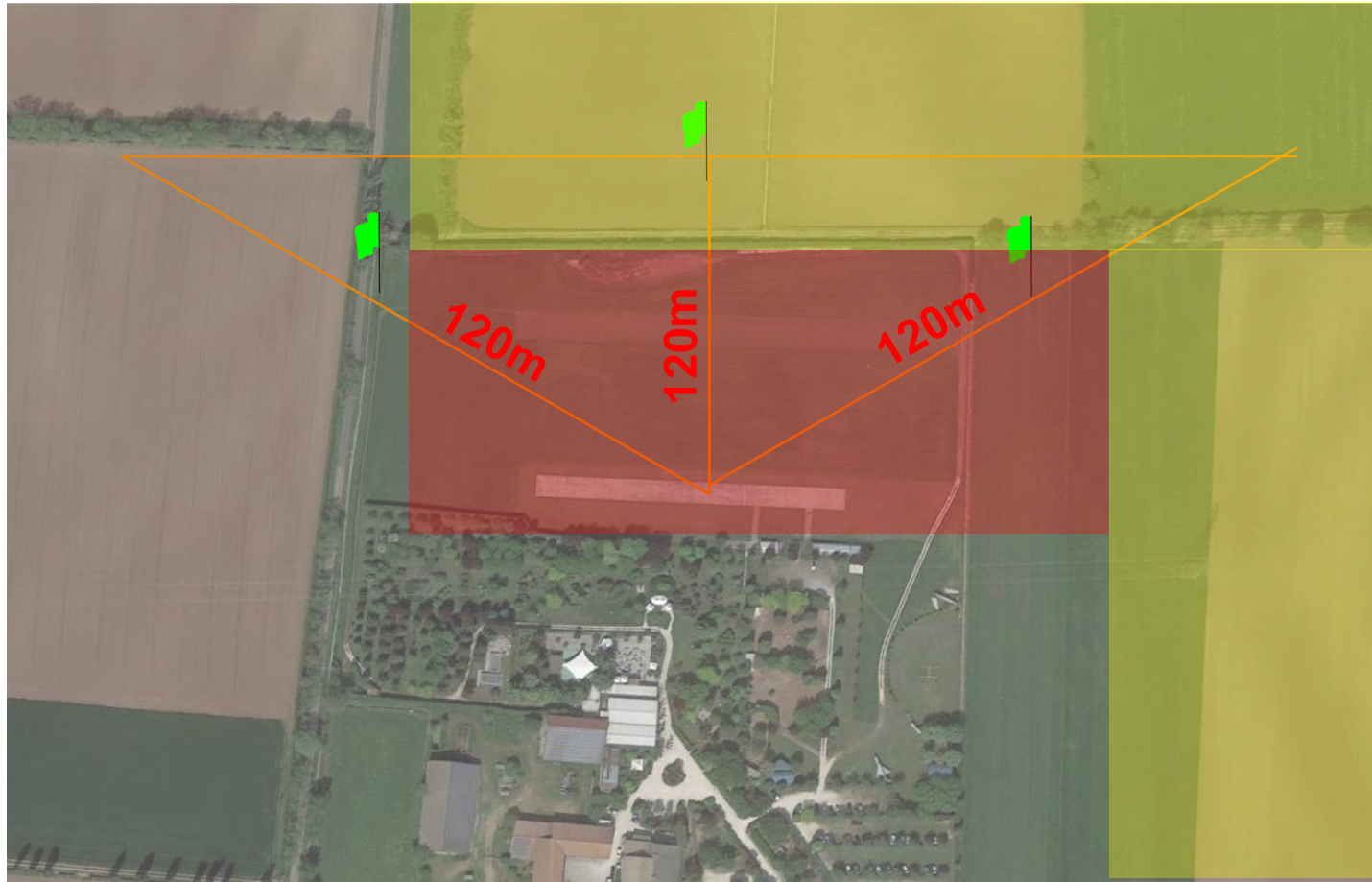
- 10 minutes for each competitor
 - i.e: 30 minutes for full (3 competitors) team
 - 40 minutes for full (3 competitors) team with 1 Junior
- Defenders will have OP with their teams, but their time can't be borrowed to other members
- DO NOT exceed allocated time!
- Enter field through IN Gate
- After your flight **PLEASE** leave the course quickly
- Leave the course through the OUT Gate

SAFETY Note: Never plug any Power except when in the flight area

World Championship Venue

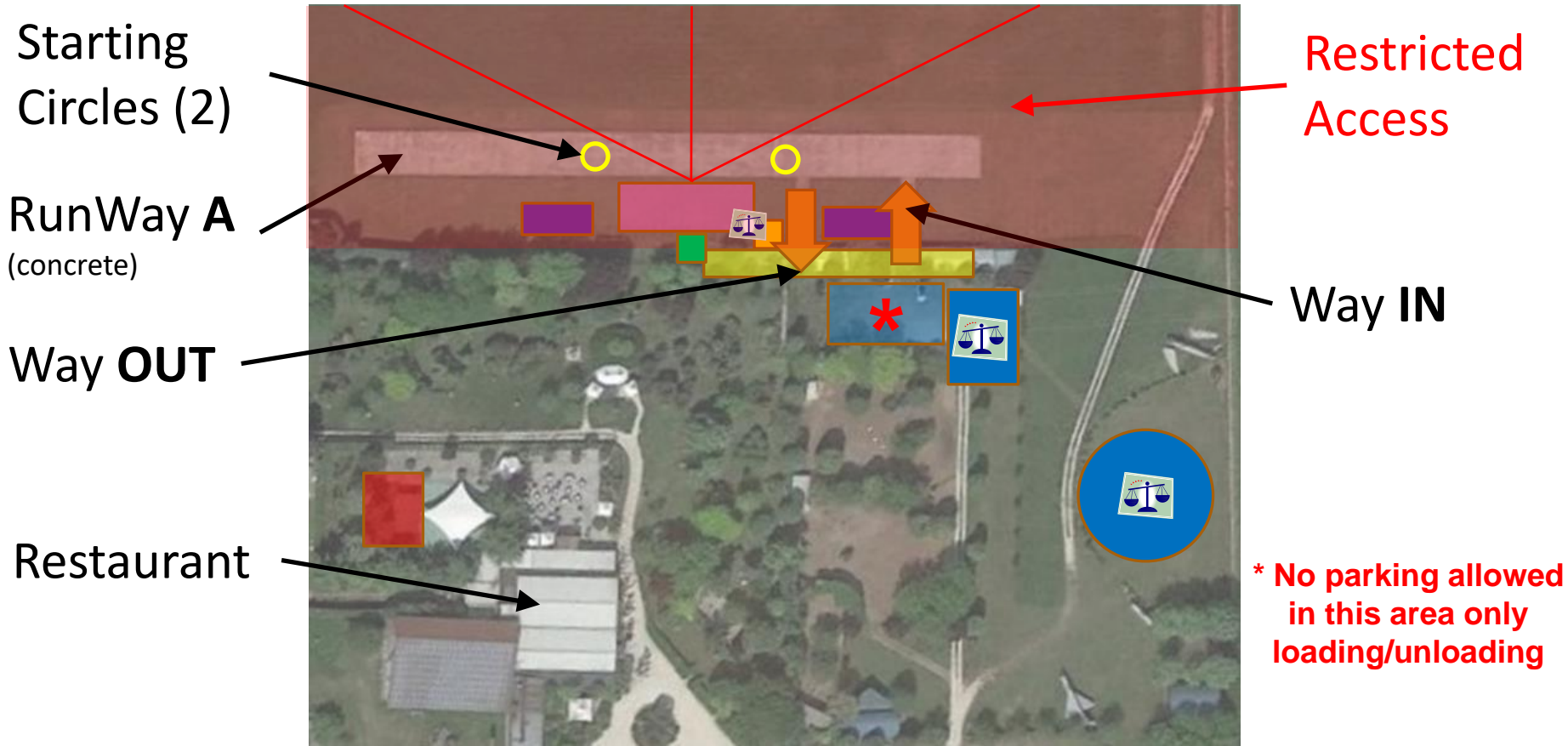


Field A Layout 1/2



- Field A
- Corn Field
- End Markers Positions

Field A Layout 2/2



 Pilots & Judges

 Ready Boxes

 Field Direction

 All Day Processing

 Competitors & Models

 First Days Processing

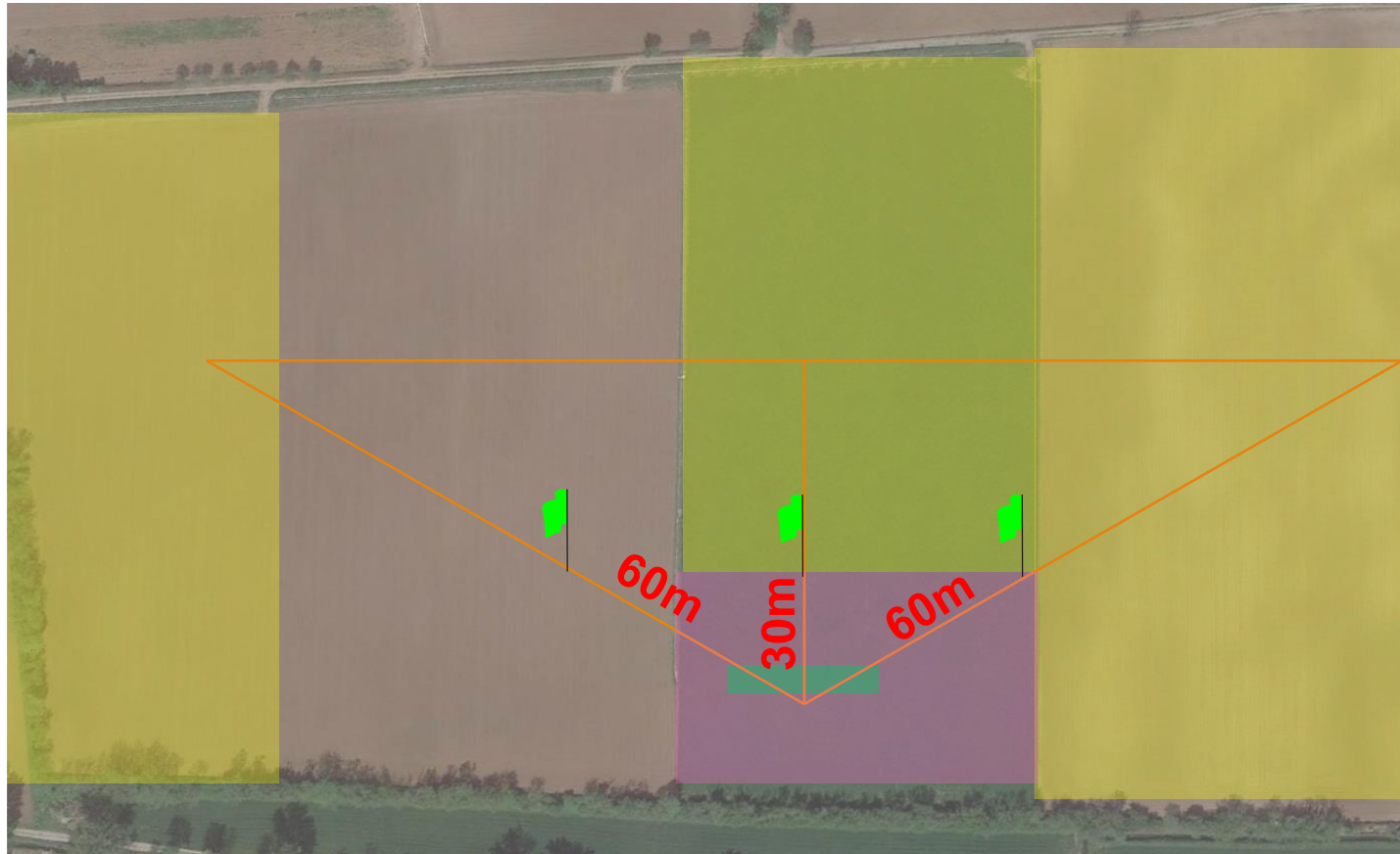
 Sound Level Test

 Registration & Info

 Competitors Loading Area

 Scoring System

Field B Layout 1/2



- Field B
- Corn Field
- End Markers Positions

Field B Layout 2/2

Starting
Circles (2)

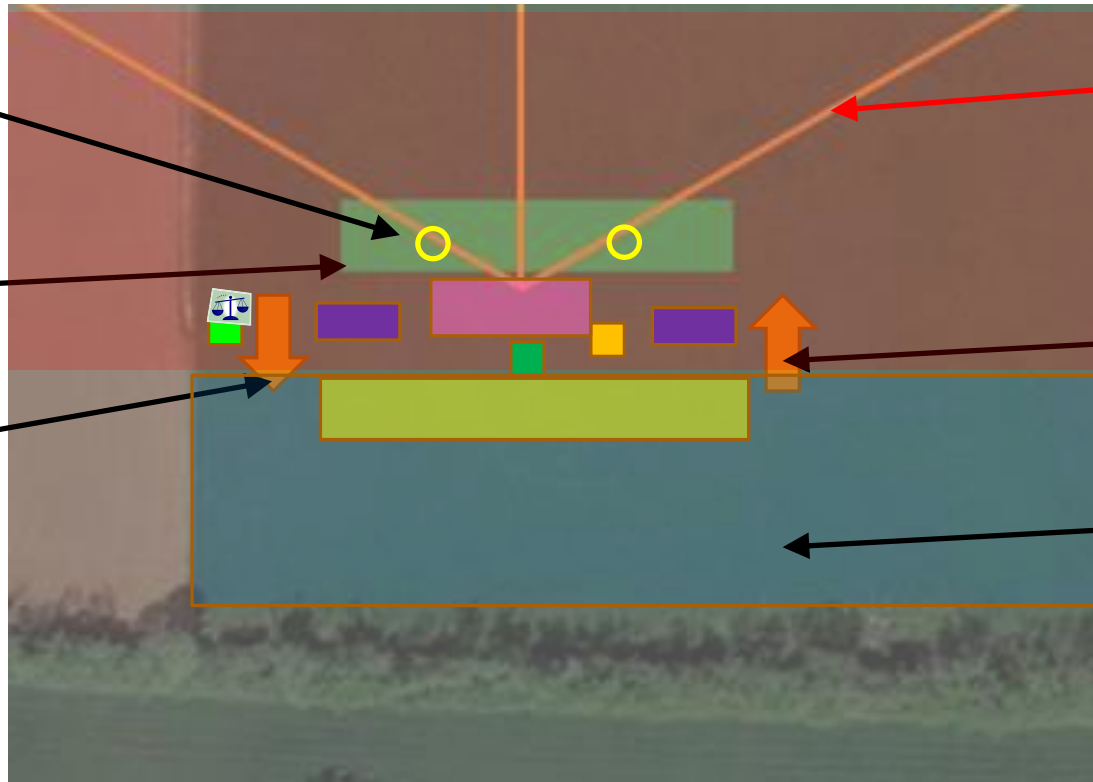
RunWay B
(Synthetic Grass)

Way **OUT**

Restricted
Access

Way **IN**

Parking



Pilots &
Judges

Ready
Boxes

Field
Direction

All Day
Processing

Competitors
& Models

Scoring
System

Starting Circle to Reference



Use the reference mark beside runway, **place** the plane in the middle of runway, that is the **centre** of “Starting Circle”

Time Trigger (2 to 8min) is when **Wheels** are **on runway** in the “Starting Circle”

How to get to flight line

1 - From Competitor Area approach to the IN GATE

Competitor and Helper must wear his vest number

for EP: propulsion battery pack disconnected battery pack (even on reserve model)

2 - Ask access to flight area to Field Marshall

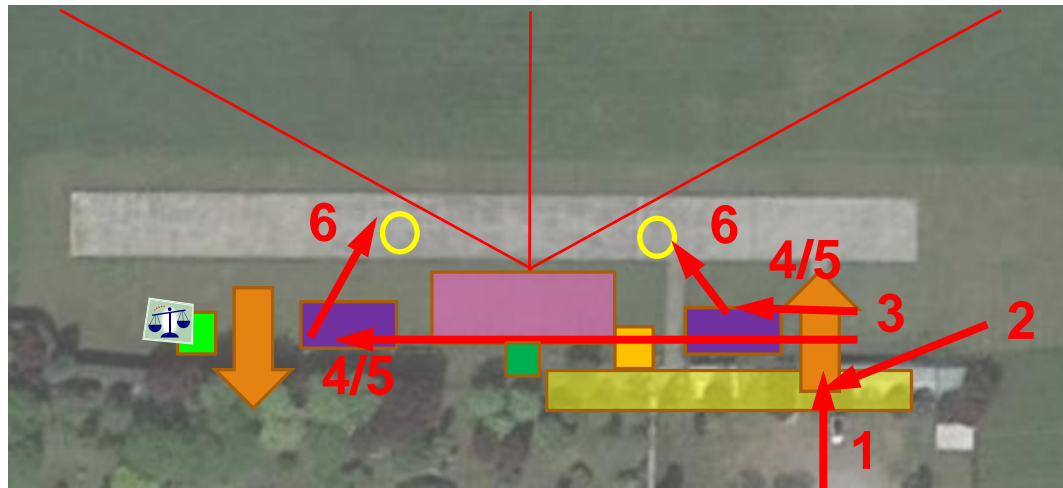
3 - Queue in the ready areas

Competitor should use the ready box close to the circles they want to used to take off

4 - Ask for voltage measurement (if applicable)

5 - Line Director will tell the start of your times (do not plug/start before clearance)

6 - Leave the ready box and go to the starting circle on runway



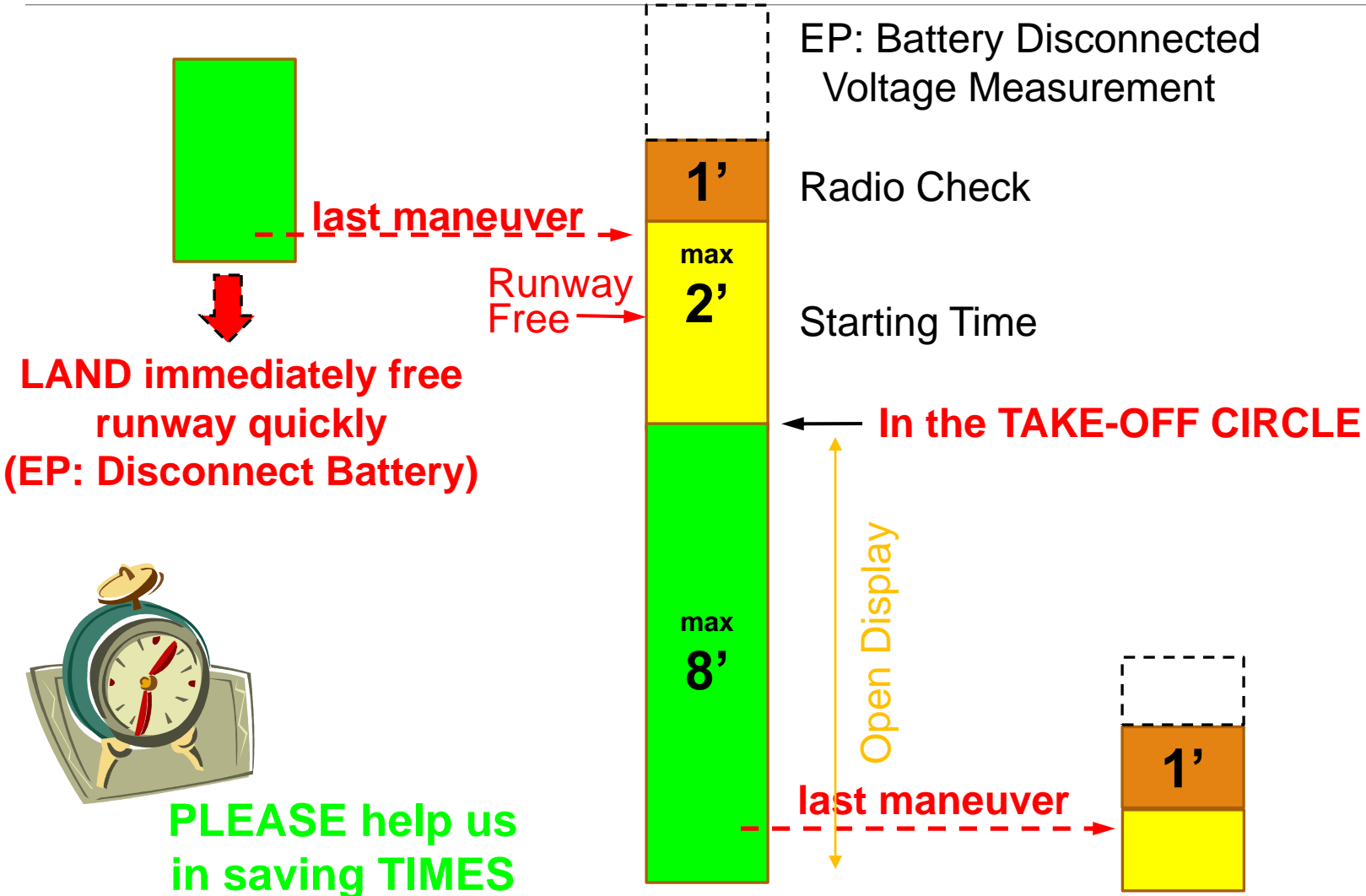
Competitors will be “called” only if not present (5 min before) for a “quiet” competition

How to leave flight line

- 0 - **During flight please free ready box**
- 1 - After last manouvres LAND IMMEDIATLY and quickly
- 2 - Free the runway quickly
- 3 - Approach to the OUT GATE
for EP: propulsion battery pack disconnected battery pack (even on reserve model)
- 4 - Make the random drawn for re-processing (only main characteristics)
- 5 - Get out from Gate, then please free the competitor area



Timing



!! Wait for clearance to proceed

Judges

Four panels of 5 Judges for Preliminary
Two panels of 10 Judges for Semi-Finals
One panel of 20 Judges for Finals



- Judges on the Flight Line half an hour before start judging
(7:30 in the morning - 14:00 in the afternoon, Prelims and Semifinals)
- Daily Warm-Up flight 15 minutes before competition start
(7:45 in the morning - 14:15 in the afternoon , Prelims and Semifinals)
- Judges training and tuning flights on Friday the 2nd and Thursday the 8th

A bus shuttle can bring Judges to and from Hotel

Judges Panels

Panel A (1)		Panel B (2)	
Field A Morning		Field B Morning	
Chin Liang Chan	TPE	Scott Kay	AUS
Nicolas Bleas	FRA	Dimitry Chaplign	RUS
Dietrich Altenkirch	GER	Tom Erik Sorensen	NOR
Gianluigi Giannoni	ITA	Harry Ells	CAN
Amram Leshed	ISR	Bob Ailes	GBR

Panel C (3)		Panel D (4)	
Field A Afternoon		Field B Afternoon	
Mesut Subakan	TUR	Lisandro Arturo Zapata	COL
Nikola Soukopova	CZE	Ken Hirose	JPN
Roland Galley	SUI	Emanuel Fernades	POR
Jonathan Carter	USA	Norbert Polatschek	AUT
Francisco Pineiro	ESP	Esa Eirola	FIN

Reserve: Bengt-Erik Soderstrom SWE

FAI Jury: Peter Uhlig GER, Antonis Papadopoulos GRE, Robert Skinner RSA

Official Training Fields 1/2

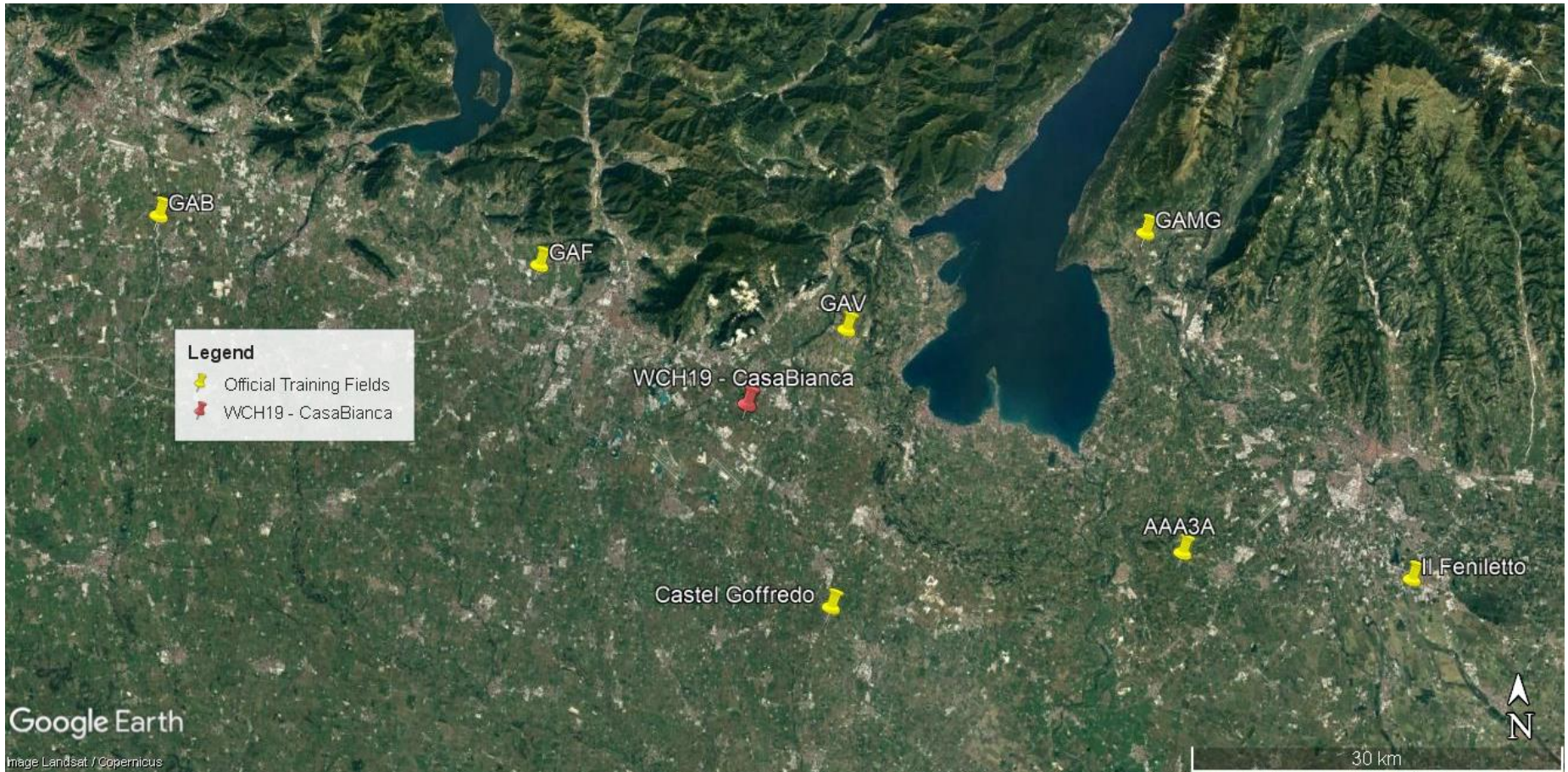
Name	km	Reference Person	Contact	GPS
Gruppo Aeromodellistico Franciacorta (GAF) / grass	33	Mr. Massimiliano Tedoldi	+39 347 2462144 cicomax@alice.it	45°34'34.3"N 10°07'58.1"E
Associazione Amici Aeromodellisti 3A Verona (AAA3A) / grass	52	Bruno Cascio	+39 336 358002 cascio.bruno@gmail.com	45°21'23.6 N 10°47'41.4"E
Gruppo Aeromodellistico Villanovese (GAV) / grass	10	Diego Ziliani	+39 393 9781861 ziliani.diego@libero.it	45°31'10.3"N 10°26'58.6" E
City of Castel Goffredo / grass	50	Michele Zamboni	+39 339 5617434 commerciale@sorvolandocompositi.it	45°19'07.4"N 10°25'57.7"E
Gruppo Aero Modellistico Garda (GAMG)	50	Massimo Azzali	+39 347 4220240 azzali.massimo@gmail.com	45°35'18"N 10°45'33"E
Gruppo Aeromodellistico Bergamasco (GAB) / asphalt	50	Andrea Vaccari	+39 329 3798789 vaccariandrea@alice.it	45°36'06.95"N 9°44'18.33"E
Il Feniletto Jets and Friends / grass	55	Michele Morosato	+39 339 6881584 morosato.michele@gmail.com	45°20'08.0"N 11°01'53.0"E

NEW GPS

PLEASE use only the official training fields

Flying outside any official training field is not recommended (NO insurance)

Official Training Fields 2/2



PLEASE use only the official training fields
Flying outside any official training field is not recommended (NO insurance)

**Thank You,
Good Luck
.... and...
Enjoy Your stay**

Mario Silvagni
Contest Director

P.S: Please DO NOT hesitate to keep in touch with me...