



# EYAC 2016

European Youth ARDF Championship

## Oslo, Norway - July 2nd-5th

## Youth ARDF Championship 2016 Bulletin 4

July 2016

*Welcome to Oslo and EYAC 2016*



The event is organized by NRRL and RON - the Norwegian ARDF club, with support from the local amateur radio clubs and orienteering clubs in Oslo.

### *Updates from Bulletin 3*

Sprint antenna is 5m vertical and 5m x 3 radials.

Error in the manager telephone number: Country code shall be +47.

Jon Sletvold: +47 91179562

Schedule is updated.

### *Disclaimer*

Although we try to provide correct information in this bulletin, there might be changes. Please look at the bulletin board at the event center for changes and make sure that your team leader contact information has been given to the organizers so we can send you an instant message in case we need to reach you immediately.





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### *Organizers, contact information*

Any questions, please don't hesitate to contact us.



If you need to call us, you can dial **+47 900 46 077**

The phone will be monitored 24/7, but please only emergency calls between 24:00 and 07:00. We are unfortunately only able to respond in English.



If you need help or have any questions, you can ask a person with a reflective vest. He or she will help you to answer your question. We are unfortunately only able to respond in English, but will do our best to help.



In case of emergency, use the short numbers for assistance.



### **Organizing committee manager**

Øivind Solli, LA1KP    mob.+47 906 043 39    email: [la1kp@online.no](mailto:la1kp@online.no)

### **Accommodation**

Knut E. Heimdal, LA6XI    mob.+47 452 491 07    email: [knut-ein@online.no](mailto:knut-ein@online.no)

### **NRRL ARDF manager**

Jon Sletvold, LA9NGA    mob. +47 911 795 62    email: [jon.sletvold@vikenfiber.no](mailto:jon.sletvold@vikenfiber.no)



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### *Detailed Program of the Event*

#### **Saturday July 2<sup>nd</sup>**

13:00

#### **Arrival and registration**

Registration opens.

Last registration for competition at 17:00

Last delivery of competitor starting order is 18:00

18:00 – 20:00

Dinner

19:00

Team leaders meeting, event center

#### **Sunday July 3<sup>rd</sup>**

07:30

#### **Training, sprint and opening ceremony**

Breakfast (and make your own lunch packet)

08:30 - 9:30

Model event, classic 2m and 80m with 3 transmitters on each band

09:30 - 10:00

Training sprint with 6 transmitters: 1, 2, S, 4F, 5F, B

11:30

Departure to sprint, bus from Haraldsheim (30 min)

13:00

Start sprint at Fornebu

14:30

First bus to event center

15:30

Last bus to event center

15:30

Jury meeting

16:00-18:00

Dinner

18:00

Team leaders meeting

19:30

Opening ceremony and sprint awarding ceremony

#### **Monday 4<sup>th</sup>**

07:30

#### **Competition day 2m**

Breakfast (and make your own lunch packet)

08:30

Bus departure to Sognsvann (20 min)

10:30

Start 2m competition

14:00

Bus to the event center from finish at Låkeberget

15:30

Last bus to event center from finish at Låkeberget

15:30

Jury meeting

16:00–18:00

Dinner

18:00

Team leaders meeting

19:00

Awarding ceremony

#### **Tuesday 5<sup>th</sup>**

07:30

#### **Competition day 80m**

Breakfast (and make your own lunch packet)

08:30

Bus departure to Linderudkollen (20min)

10:30

Start 80m competition

14:00

Bus to the event center from finish at Trollvann

15:30

Last bus to the event center from finish at Trollvann

15:30

Jury meeting

16:00-18:00

Dinner

18:00-20:30

Award and closing ceremony and party

#### **Wednesday 6<sup>th</sup>**

07:30

#### **Departure**

Breakfast



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## *IARU-reg 1 Child protection policy*

The declaration will be collected during registration.

## *Bank payment information*

Radioorientering Norge

Børønningen 27

N-3472 Bødalen

Norway

IBAN: NO32 0530 2971 422

BIC: DNBANOKKXXX



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### Start area

No telephones are allowed at the start area.



### EMIT punch badge and marking devices

EMIT controls and badge are used as electronic timing device. A short track with punching devices can be tested at the model event.

Note that a lost badge must be compensated. Current cost is 500NOK (50€)



Sprint controls are marked with red and white colours.

Transmitter are identified by letters or number.



Classic controls are marked with 30cm o-flag.

Flags will be marked with letters "RPO" to avoid a mix-up of other orienteering controls.



EMIT registration badge is used. IOF approved system.

Backup with punch paper.



Fast registration when punched, no waiting for signal.

Can be held inside the hand when running.

### Finish area

Transport to the finish area will be provided by car from start area.

Sprint finish: Lomviveien Fornebu 59.89369, 10.60664 (N,E)

2m competition: Låkeberget Maridalen, 59.97996, 10.75725 (N,E)

80m competition: Trollvann 59.96167, 10.80600 (N,E)

### Sprint start

The team leaders following the runners to the start in the sprint will not be able to go to finish until all runner have finished (or the time limit for the last competitor is out).



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### *Transmitters*

The frequencies and output RF power of transmitters

144 MHz transmitters:

- RF power 1 W ERP
- Frequency: Tx 1–5: MOE–MO5 144.50 MHz  
finish beacon: MO 144.90 MHz
- Antenna: crossed dipoles 2.5 m above the ground level

3.5 MHz transmitters:

- RF power 3 W
- frequency Tx 1–5: MOE–MO5 3.55 MHz  
finish beacon: MO 3.60 MHz
- antenna 8 m vertical + 8 m three radial counterpoise

3.5 MHz transmitters for sprint (1 minute cycle – 12 sec/48 sec)

- RF power 1 W
- antenna 5m vertical + 5 m three radial counterpoise
- frequency Tx 1–5: MOE–MO5 (keying speed 50 PARIS) 3.520 MHz  
spectators control : S (keying speed 50 PARIS) 3.550 MHz  
Tx 1F–5F: MOE–MO5 (keying speed 70 PARIS) 3.570 MHz  
finish beacon: MO (keying speed 50 PARIS) 3.600 MHz

### *Transmitters to search*

Sprint

- W14: Transmitter 2 – 3 – 4 – S - 2F – 3F – 4F – B  
M14: Transmitter 1 – 2 – 3 – S - 1F – 2F – 3F – B  
W16: Transmitter 1 – 2 – 3 – 4 – S - 1F – 2F – 3F – 4F – B  
M16: Transmitter 1 – 2 – 3 – 4 – 5 – S - 1F – 2F – 3F – 4F – 5F -B

2m and 80m

- W14: Transmitter 2 – 3 – 4 – B  
M14: Transmitter 1 – 2 – 3 – B  
W16: Transmitter 1 – 2 – 3 – 4 – B  
M16: Transmitter 1 – 2 – 3 – 4 – 5 – B



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### *Map*

Maps are according to IOF standard and team leaders will receive a map for each competition. Competitors will get their maps at the start.

Scale: 1:10 000, sprint 1:5000

Equidistance: 5m, sprint 2,5m

Size: A4

### *Corridors*

Approximate length of finish corridor:

Sprint 90m

2m competition 160m

80m competition 110m

### *Time limit*

Sprint: 60 min

2m: 150 min

80m: 120 min

### *International Jury*

Chairman of the Jury: Jiri Marecek OK2BWN

Secretary of the Jury: Øivind Solli LA1KP

Siting referee: Ole Garpestad LA2RR

Technical Director: Steinar Moen LA5OM



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Model Event (Training)







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### 08:30 to 09:30

2m: 3 transmitters (144,500 MHz): Tx 1 and 2 transmitting 150 sec each.

Beacon (144,900 MHz) transmitting continuous

80m: 3 transmitters (3 550 kHz): Tx 4 and 5 transmitting 150 sec each

Beacon (3 600 kHz) transmitting continuous

### 09:30 to 10:00

6 transmitters for sprint:

Tx 1 and 2 on slow (3 520 kHz)

Tx 4F and 5F on fast (3 570 kHz)

Tx S (3 550 kHz)

Tx B (3 600 kHz)

### EMIT electronic punching

A short track will be available to test the timing. Use your EMIT device that you have received or you can borrow one for test.

### *Clothing*

For the classic 2m and 80m competition in the forest, the clothing shall cover legs completely. Short sleeve shirt for upper body as minimum. Sprint competition will be located in a park and light clothing can be used (without gaiters or spike shoes).

### *Wildlife*

Viper (*Vipera Berus*) can be found. The risk of being bit is very low. In case you are bit you shall stop running and walk in direction of finish or start. Contact organizers or other people in the forest for assistance.



Ticks are rare in these areas. Wild animals are used to people running in the forest and not very shy. As a rule, you shall not approach these animals but go in another direction. Usually they will run if you get too close, but they are wild animals and shall be treated as such.

Take care of the environment and don't leave anything in the forest, such as drinking bottles or plastic.



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### *Information of the accommodation*

Haraldsheim Youth Hostel is situated in the Oslo. The location is an ideal starting point for treks or bicycle rides in the woods as well as in town. Within the local area you will find museums such as the Norwegian Technical Museum at Kjelsås and the Soccer Museum at Ullevål. On a hot summer day you might want to go for a refreshing dip in the Stilla by Frysja or perhaps in Trollvann (Troll Lake).



### **Exterior**



### **Rooms**

Images from Hostel home page: <http://www.haraldsheim.no/>

### *Food*

Three meals per person are included in the price offer. Breakfast buffet, lunch and dinner.

### *Water*

Spring water is safe to drink and use for food/cooking.

### *Local shops*

There are several shops, groceries and restaurants within 1km from the event center. A self-service kitchen is available for guests at the hostel if you would like to prepare other meals.



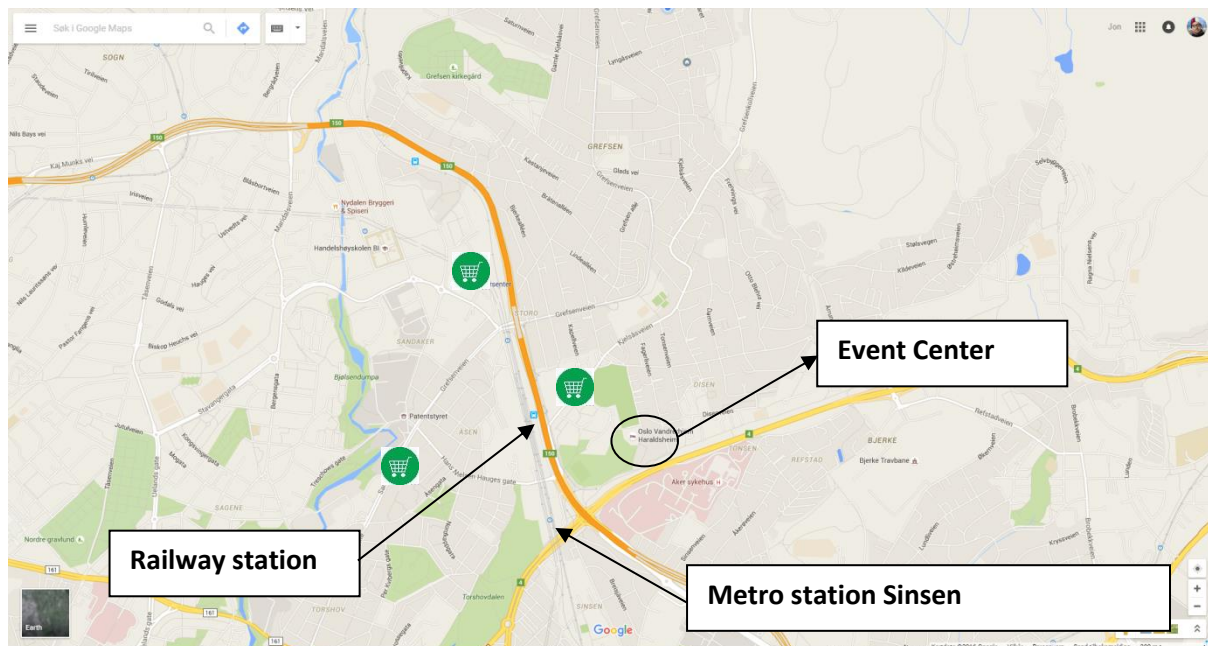
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### Local map

The railway station and metro station is within a short distance from the event center.



The local grocery is open to 23.00 in the evening, 21 on Saturday and closed on Sunday.

### Event center Oslo Youth Hostel Haraldsheim

#### Address

HARALDSHEIMVEIEN 4, 0587 OSLO

Phone: +47 22 22 29 65

Fax: +47 22 22 10 25

E-mail: [oslo.haraldsheim@hihostels.no](mailto:oslo.haraldsheim@hihostels.no)

#### Web

<http://haraldsheim.no/>





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## *Transport*

Local tram, busses and metro requires payment before you enter, or an extra fee will be added to the ticket. A mobile telephone app "Ruter#" is the most practical method to pay. Single tickets can be bought in the local kiosks.

Local transport to and from the train station on arrival and departure upon request.

## *Transport from Gardermoen Airport to the event center*

NSB local train from the airport to event center: 9€ adult (16 years and above), 5€ children 4-15 years. Be aware that this is not the airport train but the national rail service NSB, which is the most economic transport to the event center. Ticket can be bought in the ticket machine at the airport or in kiosks.

Train ticket from Oslo Gardermoen to centrum using NSB (Norwegian State Railway) also covers the metro, tram and busses within 150 min after ticket is valid.

Take the train to "Nationaltheater". The metro station is very close by the railway station. Use the metro #5 Ringen or #4 Vestli. Leave at station "Sinsen".

## *Transport from other Airports to the event center*

Other tickets with NSB can be prolonged using local transport by an additional ticket bought in ticket machines or kiosks. Price is 20NOK for adult and 10NOK for children.

Book your transport ticket is also possible on web: <https://www.nsb.no/en/frontpage>