



### 2012 GAC – Air Navigation Race Report

From: Maurice Ducret, Chairman ANR S-C  
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In February 2012 a new GIBB (Technical University of Berne) project team started with their project work. The goal was to implement an online map into the ANR software. The online map is now implemented and provides the opportunity to create a map direct in the ANR software.

In March 2012 Luc Baumann started with different ANR software updates. It's now possible to create the participants and the qualification round list both with the ANR software. Furthermore it's now possible to create a 1:100'000 competition map. Also, Luc implemented the individual scoring and ranking list creation option.

In May 2012 the traditional Precision Flying Training Camp took place in Donaueschingen (EDTD). Besides the precision flight the participants could also practice Air Navigation Race. This opportunity was taken up with active interest, even foreign crews were present.

In June 2012 we organized an ANR Cup in Alpnach (Switzerland). There we had the chance to test satellite trackers for the ANR live presentation for the first time. In general they worked well meaning there was no loss of signal. They do need optimization on the software regarding the signal interval and parcours presentation. We could rent these trackers from a company located in Germany. The advantage that they offer is a complete service set for the use of these trackers (hardware & software) means there would be no additional maintenance or storage costs.

In late June 2012 the first international ANR Event took place in Bitburg (Germany). The ANR event 2012 was ideally embedded in a well-balanced mixture of airshow and static display on the former US Airbase Bitburg in the Eifel region. Aerobatic flights, formations and flight demonstrations created a great atmosphere on the huge area of the airport. Jean Birgen (GAC Delegate Luxembourg) thought that an ANR event would fit perfectly to the Aero Expo as an additional attraction. Gilles Reding, Marcel Felten and Pierre Lorang supported the event locally. Their help was very much appreciated. Teams from Switzerland, Germany and France were participating.

Flights on day one were intended to serve as training opportunity. Unfortunately only 4 crews (Germany, Switzerland and France) were ready to benefit from the training flights on Friday. Strong and gusty winds were an additional training element. The strong competitors from France were a real challenge on the 2nd day. The French Crew with Eric Daspet and Damien Vadon have won the ANR Event Bitburg with 0 Penalty Points!

We were glad to welcome Jean-Pierre Delmas (GAC President) and Sandro Rosati (Delegate GAC Italy). Sandro joined us to get to know more about the practical execution of an ANR event.



## Air Navigation Race

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We were happy about the big interest and the enthusiastic feedback from the teams. The concept of ANR allowed a smooth and highly flexible planning and execution of the event. The satellite based tracking proved to be reliable and robust also in Bitburg.

The 4 flights in two days have been regarded as a very valuable training unit. Further development, testing and refinement of the ANR will also be based on this.

The ANR event was a full success with positive feedback from the participants and the visitors. The ANR event in Bitburg proved the high potential of Air Navigation Race once again. Here I would like to thank Jean Birgen and his team for the organization and hospitality.

The newest ANR Software and the user manual are available on the FAI.org website. Please take up the chance to implement Air Navigation Race in your countries. This can be achieved by nominating ANR event managers which will set up regional training events and championships in your countries. Of course our ANR sub-committee is available to support initial ANR events, in person or as online support.

Special thanks goes to our Software Developer Luc Bauman who is regularly updating the ANR Scoring Software. Also I would like to thank sincerely the ANR subcommittee for the suggestions, thoughts and many inputs.

Maurice Ducret

Chairman ANR S-C