

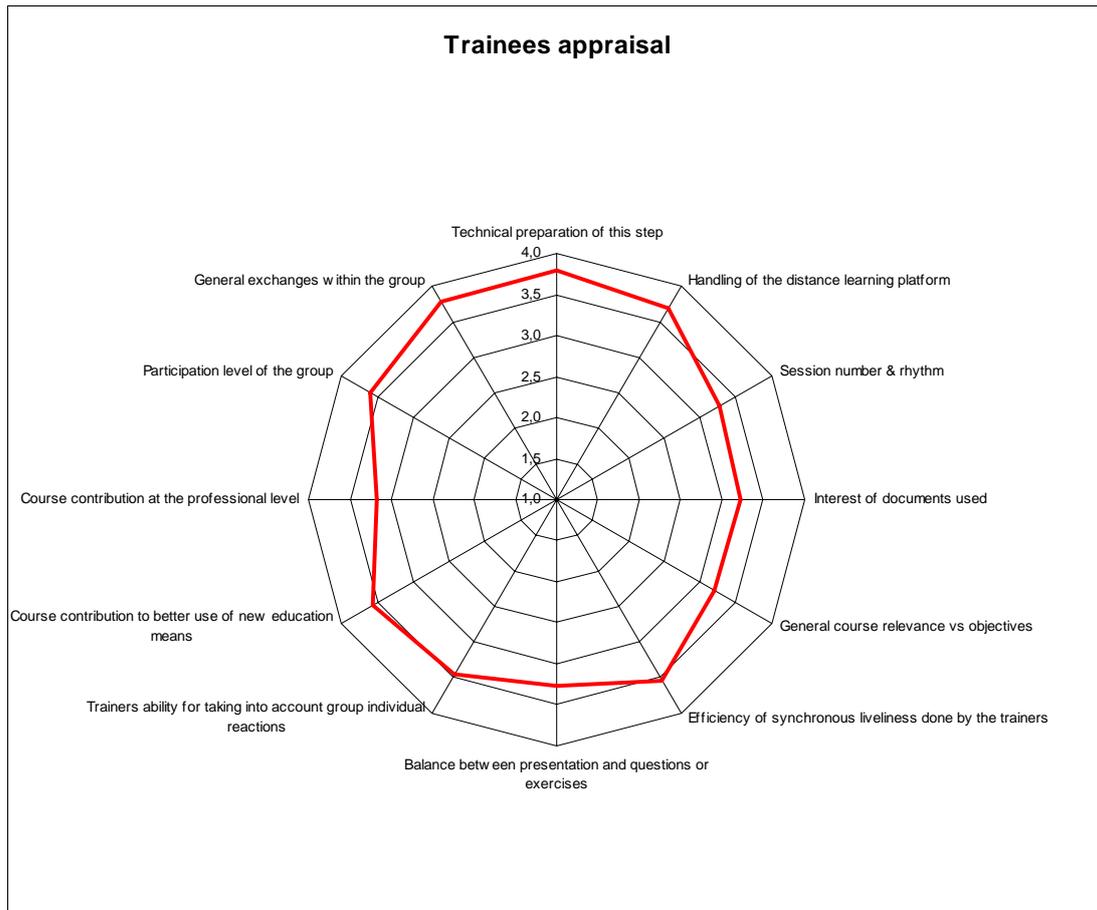
Results from the evaluation of the Eumetcal blended learning course on Advanced Aviation for forecasters 5 February – 30 March 2007

Prepared by ENM, Météo-France



The first Eumetcal blended learning course was developed and delivered by Météo-France in collaboration with European contributors and Eumetcal. Below are some results from the evaluation of the course by the course participants.

When grading the course on 12 different topics as seen on the graph above, the participants scored each topic from 1 to 4 (1: not satisfactory – 4: quite satisfactory) and a general average was calculated for the course. Overall, the course was very well received and an overall score of **3.47** was achieved. This indicates that the approach was successful and functional. Indeed, the highest scores were given for the distance learning phase which the participants found very interesting and engaging.



## Course Content

### Course objectives

- Update and deepen general knowledge in aviation and practical knowledge in meteorology needed for aeronautical forecasting, particularly the awareness of significant weather phenomena for aeronautics
- Demonstrate a new blended learning approach to training
- Further develop the design and content of the course with the contributions of the participants

### Target audience

Meteorologist personnel or equivalent involved in forecasting or meteorological services for the world of aeronautics. This first session is especially designed for attendees who already have experience in aviation meteorology.

### Prerequisites

- Knowledge of general and aviation meteorology
- Good proficiency in the English language

- Well established personal motivation to participate in new training and communication developments

### Contents of the course

- Basics of pertinent aviation domains, i.e. flight mechanics, air regulations (airspace, flight rules, operating minima), navigation principles, aircraft and airport operations
- Significant weather phenomena and aviation
  - Poor visibility
  - Aircraft icing
  - Turbulence, wind shear
  - Thunderstorm and hail
  - Jets
- Flight planning and flight operations: effects of meteorological parameters on aircraft performances, effects of meteorological phenomena on operations.
- Synoptic review of regulation and codes of international organisations and ICAO recommendations.
- Training aviation meteorology diagnoses: case studies, real time situations, etc.

### Schedule

<b>DISTANCE LEARNING SCHEDULE</b>			
<b>N:o</b>	<b>Topic</b>	<b>Teacher</b>	<b>Schedule</b>
0	Introductory session	Franck Pithois	5 February 2007 - 8:30 to 10:00 UTC
1	Aeronautical meteorology users	Franck Pithois	12 February 2007 - 8:30 to 10:00 UTC
2	Icing	Hervé Hallot	15 February 2007 - 8:30 to 10:00 UTC
3	Visibility	Didier Labyt	26 February 2007 - 8:30 to 10:00 UTC
4	Thunderstorms (lightning and hail)	Franck Pithois	1 March 2007 - 8:30 to 10:00 UTC
5	Turbulence	Franck Pithois	8 March 2007 - 8:30 to 10:00 UTC
6	Wind shear	Franck Pithois	12 March 2007 - 8:30 to 10:00 UTC
7	Volcanic ashes & hurricanes	Philippe Husson	16 March 2007 - 8:30 to 10:00 UTC

All the teachers were either members of the permanent staff of the Ecole Nationale de la Météorologie or involved in aviation meteorology jobs within Météo-France operational branch. During the preparation phase, they had exchanges with several specialists from other Services in Europe. These contributions were very useful and ENM is grateful to their authors.

## List of participants

Altogether 35 applications from 15 European countries were received for the course. In addition, an expert from outside the EUMETNET community was invited from BoM, Australia in order to more efficiently design and assess the course. The participants are as follows:

<i>Surname</i>	<i>First name</i>	<i>Sex</i>	<i>Country</i>
Alliksoo	Irina	F	Estonia
Codeluppi	Olivier	M	Switzerland
Einarsson	Björn Sævar	M	Iceland
Fremming	Hans Henrik	M	Norway
González López	Blanca Teresa	F	Spain
<i>Henderson</i>	<i>Andrea</i>	<i>F</i>	<i>Australia</i>
Kos	Igor	M	Croatia
Neitiniemi-Upola	Leena	F	Finland
Roschke	Thomas	M	Germany
Sigonneau	Didier	M	France
Sohlberg	Johan	M	Sweden
Tighe	Tony	M	Ireland
Tutina	Dana	F	Latvia
Unegg	Johann	M	Austria
Windmolders	Raf	M	Belgium

## Recognition

As a very first trial in the field of ongoing training delivered by ENM, a certificate of completion was issued to the trainees based on the results of a final test at the end of classroom session (in quiz form with 30 questions). All participants were effectively awarded with this certificate, taking into account the satisfactory level gained by each of them.