



ILMATIETEEN LAITOS
METEOROLOGISKA INSTITUTET
FINNISH METEOROLOGICAL INSTITUTE

Developing a learning process at Aviation and Military Weather Service at FMI

Antti Pelkonen
Aviation meteorologist and training
officer

17th meeting of the WGCEF
Bergen Norway 7.10.2011





ILMATIETEEN LAITOS
METEOROLOGISKA INSTITUTET
FINNISH METEOROLOGICAL INSTITUTE



The aim of this presentation is to introduce a training program for a new forecaster

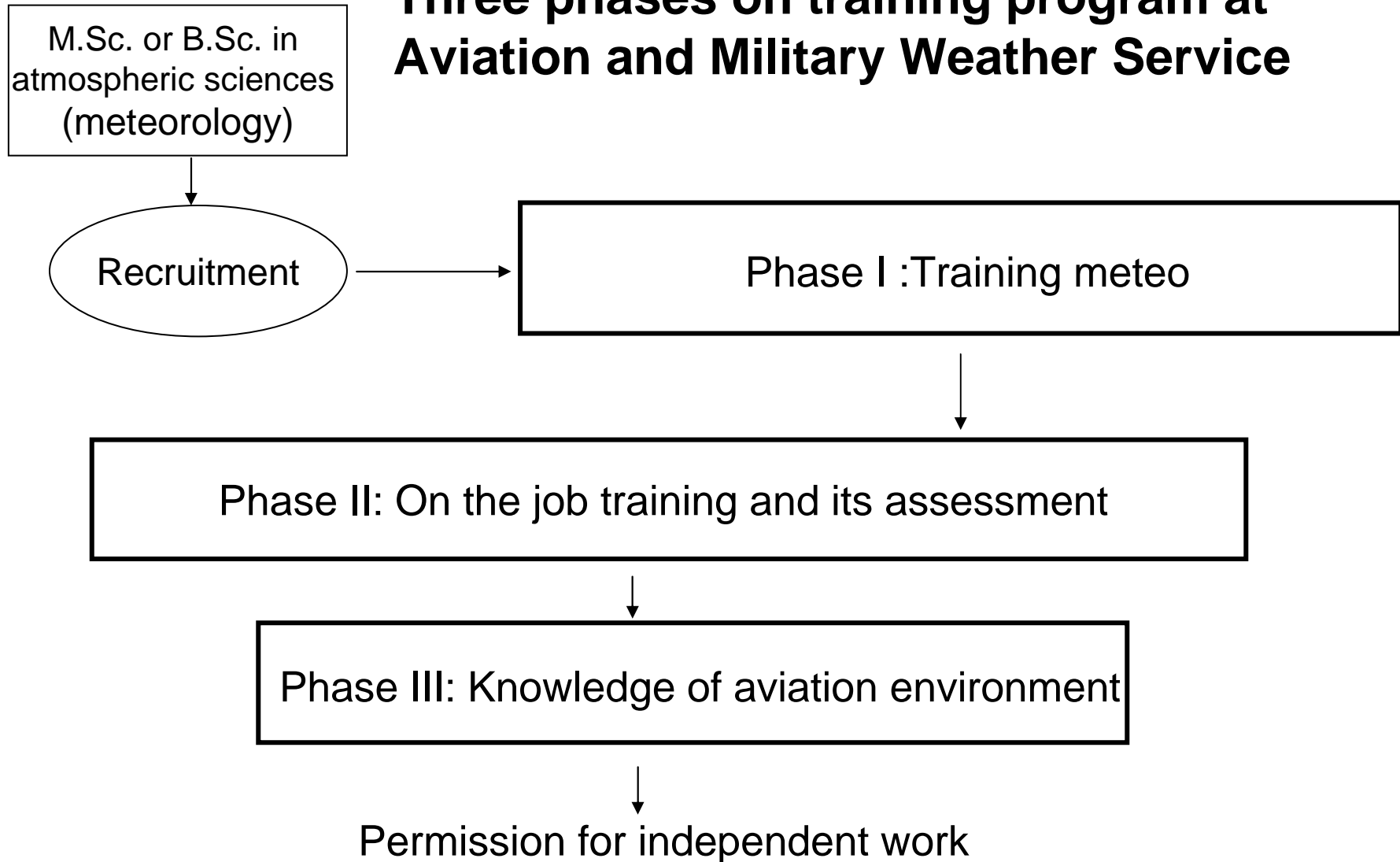


Master of science
(M.Sc.) or Bachelor
of Science (B. Sc.) in
atmospheric sciences
(meteorology)

The real work
(forecaster on duty)



Three phases on training program at Aviation and Military Weather Service





Phase I: Meteo for the training

- Interactive training with a supervisor (experienced forecaster)
- Real-time weather data, product templates and to-do list
- Possibility to test new softwares and tools in a real-time forecasting environment
- Possibility to do forecasts without timetable and to compare own forecasts to official forecasts
- Training takes about 30 hours





Phase II: On the job training and its assessment

- Training takes from one month to two months
- A supervisor fill up assessment form
- After the training, trainee should be able to:
 1. Analyse and monitor continuously the weather situation
 2. Forecast aeronautical meteorological phenomena and parameters
 3. Warn of hazardous phenomena
 4. Ensure the quality of meteorological information and services
 5. Communicate meteorological information to internal and external users



Phase III: Knowledge of aviation environment

- Avia College is a special school for the aviation sector run by Finavia
- Finavia maintains Finland's network of 25 airports and the air navigation system
- Avia College provides training for aviation related occupations
- A special course tailored for new forecasters
 - The course takes three days; about 24 hours
 - There is a test after the course



The training program offers to a new forecaster a safely entry to work

- We know our staff background studies
- We introduce new forecaster to operational work in a standardized way
- We have documentation of new forecaster's competency assessment
- Aviation and Military Weather Service has had ISO-9001 certified quality management system (QMS) in use since 2004. The training program has included to QMS.
- Our client know our staff is competent