

## **Abstract**

### **Describing Weather Impact on Military Activities Using Numerical Forecasts**

**By Met Maj Anna Karin Åqvist  
Swedish Military Weather Service**

Military personnel leading and planning an operation need weather information to enhance the performance of the units involved, and to decide whether the operation could be performed at all. Thus the weather impact needs to be analyzed, independently of the size of the operation. Combining the knowledge about the weather sensibility of the operation, with the actual weather situation make it possible to conclude the weather constraints, no matter the time or geographical scale of interest. In Sweden these evaluations have routinely been made by hand, but now a new methodology is being developed using numerical weather forecasts. This will be presented either on a map describing a certain time, or in a time graph describing a certain place. An all-automatic processing of weather does not always give the best result and we emphasize a final hands-on by a meteorologist. The time elapsing from processing the weather information to comprehension by the unit leader should be short, but without giving in to quality.