What are the pilot needs before the take-off and during the flight? During the last years airlines have worked on replacing the paper briefing by a digital solution compatible with devices such as their tablets. Static charts in pdf files completed progressively the electronic flight folder, which allowed a transition to a complete digital solution in tablets. With the widely spread of ground and satellite communication, the pilots are now requesting a more dynamic solutions with close to real time forecast and nowcasting of the meteorological phenomena. They are interested in getting the most recent updates of the meteorological information few minutes before the take-off from their iPad with 4G communication and even request updates from a connected EFB in the cockpit during the flight. Clear Air Turbulence, Convection, Icing, Ice crystals are the main worries of air crews who want to maintain and improve the safety and the comfort of the passengers.

Having been attentive to the pilots need during the last 12 years, a SME designed, developed and implemented a new weather solution for the pilots named eWAS. Thanks to strategic partnerships, the company succeeded in proposing its innovative weather service word-wide and now the solution is implemented and used in operation in several major airlines in Europe and Asia.

The presentation provides an overview of new needs expressed by airlines and crews and exposes an example of integration of the new system eWAS into the whole flight management process as undertaken by the French airline Air France.

More details can be found on the Application web site www.ewas.aero