

IAF SYMPOSIUM ON INTEGRATED APPLICATIONS (B5)
Tools and Technology in Support of Integrated Applications (1)

Author: Mr. Frank Morlang
DLR (German Aerospace Center), Germany, frank.morlang@dlr.de

SWIM IN SPACE WITH COMRADES IN THE AIR

Abstract

All the future air traffic participants are requested to act as system wide information management (SWIM) communicating sub-systems by the future Single European Sky Air Traffic Management Research (SESAR) SWIM "Intranet for ATM" concept. Against the background of the global character of future commercial space transportation (CST) operations and the associated SWIM harmonization need referring the U.S. Next Generation Air Transportation System (NextGen) and SESAR, a solution based on the already harmonized data format standards Aeronautical Information Exchange Model (AIXM) and Flight Information Exchange Model (FIXM) had been realised. The new version's ability to deliver air traffic information about flights that will interfere with the hazard area and might need special attention by benefiting from ADS-B information fetching is presented.