

Safety Recommendation – Russian Federation - 19-03-2016

ICAO action:

The Safety recommendation will be referred to the Mental Health Working group for review and proposed recommendations, which will be further discussed by the Medical Provisions Study Group (MPSG). In addition, the MPSG will consider State feedback on State letter 2024/77, which includes survey questions pertaining to pilot in-flight incapacitation due to psychological reasons.

There exist various ICAO instruments that address the effect of cognitive workload on pilot performance in both normal and emergency situations, generally embedded within training programmes. States and stakeholders are provided with guidance in the Human Factors Training Manual (Doc 9683) and the Human Performance (HP) Manual for Regulators (Doc 10151) to incorporate within training programmes. The guidance in both documents is designed for training programmes to address relevant factors that influence performance, such as organizational and environmental factors, workload, automation, etc. Further, concepts such as threat and error management guidance in Human Factors Training Manual (Doc 9683), serve to educate pilots on identifying and then managing threats and errors, to prevent them leading to an undesired state compromising the safety margins.

Ongoing work by expert groups within ICAO continues to address pilot performance related to automation, which includes contributions to accidents and incidents related to cognitive functioning.

Given the existence of existing and current work by ICAO in the area of cognitive performance and the effect on system performance, a working group specifically to review this recommendation is necessary.

Human Factors and human performance training is referenced in various Annexes, guidance material and Procedures for Air Navigation Services — Training (PANS-TRG, Doc 9868).