

Analysis of possible risks in aviation safety issues associated with the massive introduction of unmanned aerial systems

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The rapid development of Remotely Piloted Unmanned Aerial Systems (RPUAS) and their use in various fields is one of the trends of today. Currently, there is no unified classification of such systems, as well as all potential risks that may arise during their use. At the same time, forecasting and systematization of risks associated with this problem will make it possible to better prepare for future challenges. Improvements in the reliability of technical operation will improve safety in the future, but the human factor will be decisive, as it is the person who will carry out the automation in practice, namely developing and building aircraft, equipment and software. Increasing the degree of automation will allow for uncontrolled access to both airspace management and manned aircraft, which will be the main and major risk in their use. Human competence and responsibility will play a more important role in ensuring the safety of future aviation.

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