

# Comparative Analysis of Flight Training Systems in RF & Other Countries

M.L. Rakhmanov<sup>1</sup>, FSBEI HE Moscow Aviation Institute (National Research University) (FSBEI HE MAI), Dr. (Tech.)  
A.V. Lavrent'ev<sup>2</sup>, FSBEI HE MAI

<sup>1</sup> Professor of Department, Moscow, Russia

<sup>2</sup> Graduate Student of Department, Moscow, Russia

**Citation:** Rakhmanov M.L., Lavrent'ev A.V. Comparative Analysis of Flight Training Systems in RF & Other Countries, *Kompetentnost' / Competency (Russia)*, 2024, no. 7, pp. 16–22. DOI: 10.24412/1993-8780-2024-7-16-22

## key words

flight training system, quality, flight safety, aviation personnel

The article provides a comparative analysis of flight training systems for civil aviation pilots in the Russian Federation and other countries. Based on the results of the analysis, we have presented a summary table of factors influencing the quality of pilot training. After all, according to statistics, it is the insufficient level of training of flight personnel that is the main factor that has a negative impact on flight safety, and it is directly related to people's lives. In this regard, the use of the best foreign practices described in the article will help to improve the quality of training of aviation personnel in the country.

## References

- Aydarkin D.V. Ensuring structural connectivity of modules of professional training of flight personnel in order to increase the level of flight safety: Diss. ... PhD (Tech.): 05.22.14, Ul'yanovsk, 2012, 198 P.
- Current problems of labor psychology, engineering psychology and ergonomics, is. 3, ed. by V.A. Bodrov, A.I. Zhuravlev, Moscow, *Institut psikhologii RAN*, 2012, 400 P.
- Flight safety, certification and licensing in civil aviation: inf. col., Moscow, *InfAvia*, 2020, 166 P.
- Flight safety: laboratory practical training, compl.: E.V. Karsunkin, V.V. Kozlov, Ul'yanovsk, *UI GA*, 2020, 79 P.
- Biryukov A.A., *Sovremennye problemy nauki i obrazovaniya*, 2019, no. 5, p. 55.
- Bodrov V.A., Luk'yanova N.F. Personal characteristics of pilots and professional efficiency, In: Psychological foundations of professional activity: reader, Moscow, *PerSE*, 2007, pp. 423–429.
- Kozlov V., *Aviapanorama*, 2013, no. 4, 100 P.
- Gander D.V., Alekseenko M.S. Psychology of flight work, Moscow, *SGU*, 2013, 267 P.
- Preparation and execution of flights in civil aviation of the Russian Federation: Federal aviation rules, Moscow, *Mintrans Rossii*, 2009.
- RF Ministry of Transport Order of 4.08.2015 N 240 On approval of the List of specialists of aviation personnel of civil aviation of the Russian Federation; [http://www.consultant.ru/document/cons\\_doc\\_LAW\\_185650/2ff7a8c72de3994f30496a0ccbb1ddafdaddd5f18](http://www.consultant.ru/document/cons_doc_LAW_185650/2ff7a8c72de3994f30496a0ccbb1ddafdaddd5f18) (acc.: 2.10.2022).
- Issuance of certificates to aviation personnel, Annex 1 to the Convention on International civil aviation, 11th ed., *ICAO*, 2011.
- The program of educational and industrial practice for training of commercial pilots at FSBEI HE St. Petersburg State University of Civil Aviation, St. Petersburg, *Feniks*, 2017, 376 P.
- Kozlov V., *Aviapanorama*, 2014, no. 3, 105 P.
- Guide to information support for the automated system for ensuring flight safety of civil aviation aircraft of the Russian Federation (ASEFS).
- In the field of human factor. Training guide, 1st ed., *ICAO*, 1998. Doc 9683-AN/950.
- Flight safety management guide, 4th ed., *ICAO*, 2018. Doc 9859.
- Safonova T.V., *Sibirskiy pedagogicheskiy zhurnal*, 2007, no. 1, pp. 55–63.
- Human factor: new approaches to aviation accident prevention, *Materials of the jubilee sc. conf. dedicated to the 90th anniversary of A.G. Shishov*, 2000, pp. 88–151.
- Seletkov S.N., Dneprovskaya N.V., Tul'taeva I.V. World information resources and knowledge resources: study guide, Moscow, *Evrasiyskiy otkrytyy institut*, 2009, 232 P.
- Soldatov S.K., Guziy A.G., Shishov A.A., etc. *Problemy bezopasnosti poletov*, 2007, no. 8, pp. 33–35.
- RF Ministry of Transport Order of 12.09.2008 N 147 Requirements for aircraft crew members, aircraft maintenance specialists and flight support employees (flight dispatchers) of civil aviation: Federal aviation rules, Moscow, *Mintrans Rossii*, 2008.
- Tret'yakov V.P., Zakharov A.V., *Institut psikhologii RAN. Organizatsionnaya psikhologiya i psikhologiya truda*, 2018, vol. 3, no. 3, pp. 112–131.
- Tuchkov N.A., Gnusareva A.A., *Voprosy pedagogiki*, 2019, no. 12-2, pp. 323–326.
- FAVT; <https://famt.gov.ru/o-rosaviacii-uchebnye-zavedeniya-ga-vertikalno-integrirovannye-kompleksy-uz-ga/?id=36%20свободный> (acc.: 19.10.2022).
- Fatkhutdinov R.A. Innovative management: textbook, St. Petersburg, *Piter*, 2014, 448 P. ISBN 978-5-469-01658-8.
- RF Federal Law of 29.12.2012 N 273-FZ On education in the Russian Federation; [http://www.consultant.ru/document/cons\\_doc\\_LAW\\_140174/14e772564cb8981a7b4e1da61416720ad4e25d7f](http://www.consultant.ru/document/cons_doc_LAW_140174/14e772564cb8981a7b4e1da61416720ad4e25d7f) (acc.: 19.10.2022).
- Human factor, *Col. of materials N 5: Operational consequences of automation in crew cabins equipped with advanced technology: ICAO circular 234-AN/142*, Montreal, *ICAO*, 1992, 57 P.
- Kozlov V., *Aviapanorama*, 2007, no. 5, 65 P.
- CASR Part 141 — Recreational, Private and Commercial Pilot Flight Training, Other than Integrated Training, *CASA*, 2013.
- Crew Resource Management Training: Advisory Circular N 120-51A, *FAA*.
- JAR-OPS 1: Commercial Air Transportation (Aeroplanes), JAR-OPS 1.978: Alternative Training and Qualification Programme, *JAA*, 2007.
- Training Development Guide — Competency-Based Training Methodology: Doc 9941-AN/478, Montreal, *ICAO*, 2011, 284 P.