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 Department of Air Transport
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Study programme: Technology in Transportation and Telecommunications

Study field: Air Transport

REPORT OF BACHELOR'S THESIS ADVISOR

Student: Boyue Liu

Thesis: Organizational Safety Models and Methods in Aviation

Thesis assignment:

- Thesis does not violate CTU methodological instructions (link) Minimum report length is met (min. 35 pages)
- Thesis assignment fulfilled with each assignment point clearly addressed

	Bachelor's thesis evaluation criteria	Score
1.	Formal and technical aspects. (0 – 30) Evaluate meeting the thesis goal and overall quality of the report with respect to the assigned topic. Excellently addressed assignment evaluate with maximum points. Reduce evaluation proportionally to the extent of the assignment not being addressed properly.	20
2.	Theoretical part and literature review. (0 – 30) Evaluate the relevance of theoretical part with respect to the assignment, extent of the literature review and systematic presentation of the information. If directly copied information dominates (given no violation of citation ethics), reduce at least by 15 points. Another reason for reduction is insufficient choice and presentation of theoretical background, literature, and resources.	20
3.	Extent of implementation works (SW, HW), application of knowledge, methodology appropriateness and thesis conclusion. (0 – 30) A complex and flawless report suitable for publication receives total of 30 points. This aspect is evaluated in terms of contribution to the theoretical knowledge with practical implications. Especially positively perceived are created models, SW products, technical implementations and validated methodologies. Minor methodological flaws may reduce evaluation by maximum of 5 points. Methodological inconsistency with theoretical background, unclear or only partly adequate technical approach reduce evaluation by minimum of 15 points. Further reduction of evaluation can be due to insufficient discussion and conclusions.	20
4.	Formal aspects and thesis structure (writing, text structure, graphs, figures, citations, references etc.). (0 – 10) Evaluated are formal requirements with respect to the rules of writing and thesis attributes, i.e. text formatting, report structure, reference list, inclusion of graphs and tables, citation style. Violating individual requirements evaluate by reduction of 2 points for each violated aspect. Grammar errors, typos or inadequate stylistics or terminology leads to reduction of 2 to 4 points. The report shall include only standard and technical terminology (evaluate the capability to use technical terminology – 2 points), graphs follow standard rules (2 points) and, similar to tables, include legend and are clearly readable (2 points). ISO690 and ISO690-2 citation rules are obeyed (2 points).	9
5.	Total score:	69

Comments:

If more space is needed, attach to this report additional text on separate pages.

The presented thesis deals with a research of existing organizational safety methods used to analyze hazards in the aviation. The student used systematic approach to review and perform meta-analysis (PRISMA) and analyzed two major on-line resources - Scopus and Web of Science. The thesis presents studies that used a methodological approach to investigate into organizational factors of various aviation organizations and provides a brief overview of their theoretical background. The results could be used to improve the hazard analysis of organizational factors used in the aviation today.

The student has correctly executed the systematic approach to meta-analysis and delivered useful results for safety engineering in the aviation. On the other hand, the student did not manage to acquire deeper insight into the theoretical background of the organizational methods, that limits the discussion and conclusions he was able to derive from the meta-analysis. The work was interrupted several times due to other study duties; active thesis advisory was necessary to achieve the presented results.

Overall thesis grading:

	A (excellent)	B (very good)	C (good)	D (satisfactory)	E (sufficient)	F (failed)
Score:	100 - 90	89 - 80	79 - 70	69 - 60	59 - 50	< 50
				X		

Note: Please justify your evaluation with your comments above

Bachelor's thesis overall evaluation is D and I do recommend the thesis for defence.

Name: doc. Ing. Andrej Lališ, Ph.D.

Organization: CTU in Prague

Signature:



Date: 26. 08. 2022