

Review of Bachelor's Thesis

Student: Tabášek Michal
Title: Graphical Interface for Flight Displays (id 19711)
Reviewer: Vlk Jan, Ing., UPGM FIT VUT

- 1. Assignment complexity** **average assignment**
Graphical visualization of flight data belongs to tasks with average complexity. The final application is going to be integrated within the aircraft simulator laboratory at FIT.
- 2. Completeness of assignment requirements** **assignment fulfilled**
All assigned tasks of the thesis were fulfilled.
- 3. Length of technical report** **in usual extent**
The thesis is written on 47 pages and covers the width of processed topic.
- 4. Presentation level of technical report** **80 p. (B)**
The thesis has a good logic structure, and it is possible to observe a good link between chapters. The size of individual chapters is well balanced. I would only recommend to extend the 8-th Chapter "Testing".
- 5. Formal aspects of technical report** **65 p. (D)**
Typography of the thesis is on average level with minor faults. In some cases the text is sparse and contains illogical blank spaces at the ends of the pages.
- 6. Literature usage** **80 p. (B)**
The list of information resources contains 41 publication that are enough cited throughout the text. The literature resources cover wide range of relevant topics from avionics design to flight dynamics description.
- 7. Implementation results** **75 p. (C)**
The design and implementation follows recommendations described in foregoing chapters. The PFD application is functional and it is possible to start it within aircraft simulator laboratory at FIT. In some cases the readability of certain parts of the display isn't well and minor graphical bugs are present.
- 8. Utilizability of results**
Results of the thesis is possible to integrate within the aircraft simulator laboratory at FIT.
- 9. Questions for defence**
 - How would you visualize the critical states of the aircraft or exceeding the flight envelope limits?
 - Which variables should be monitored in this way.
- 10. Total assessment** **78 p. good (C)**
With respect to the previously mentioned findings, I would propose the final evaluation **grade C**.

In Brno 1. June 2017

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signature