CZECH TECHNICAL UNIVERSITY IN PRAGUE
Faculty of electrical engineering
Department of electrical power engineering
Technická 2, 166 27 Prague 6, Czech Republic

Bachelor thesis supervisor's review

Master thesis: **Power System Stability Maintaining and Control**

Author: **Vadim Barba**

Thesis supervisor: **Ing. Jan Švec, Ph.D.**

	Rating (1 – 5) (1 = best; 5 = worst):
1. Fulfillment of assignment requirements:	2
2. Self-reliance and initiative during the thesis solution:	1
3. Systematic solutions of individual tasks:	2
4. Ability to apply knowledge and to use literature:	2
5. Collaboration and consultations with the thesis supervisor:	2
6. Thesis formal and language level:	2
7. Thesis readability and structuring:	1
8. Thesis professional level:	2
9. Conclusions and their formulation:	3
10. Final mark evaluation (A, B, C, D, E, F):	**C**
verbal:	**good**

Brief summary evaluation of the thesis (compulsory):

The student fulfilled all the assignment requirements. The thesis consists of mainly theoretical chapters describing the fields of power system planning, frequency control and extraordinary states. With regard to the assignment there are not much discussed voltage control and islanding process topics. Most of the text seems to be inspired by chapters in reference books. Figures and some tables are of a poor quality and taken from the references but theses references are often not clearly defined. The WAMS chapter describes some events from a report but WAMS advantages and applications could be more emphasized. Also some substations abbreviations are not explained. The bachelor thesis also doesn't have any summary or final conclusion. From the formal viewpoint I would recommend to number equations on the page right side which is usual. Even if the thesis was completed quite in a hurry, it gives a good overview about some important power system issues.

Date: 30th August 2016 Signature: