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

Bachelor thesis opponent's review

Master thesis: **Power Management System Operating Philosophy in Example of Sangachal Terminal**

Author: **Elmir Ismayilov**

Thesis supervisor: **Doc. Dr. Ing. Jan Kyncl**

Thesis opponent: **Ing. František Vybíralík, CSc.**

	Rating (1 – 5) (1 = best; 5 = worst):
1. Fulfillment of assignment requirements:	1
2. Systematic solutions of individual tasks:	1
3. Ability to apply knowledge and to use literature:	2
4. Thesis formal and language level:	2
5. Thesis readability and structuring:	1
6. Thesis professional level:	1
7. Conclusions and their formulation:	1
8. Final mark evaluation (A, B, C, D, E, F):	**A**
verbal:	**excellent**

Brief summary evaluation of the thesis (compulsory):

This paper describes power management system with carefully selected methods and technologies. In the bachelor thesis is to define the philosophy for the control, monitoring, synchronizing and interface requirements for the Power Management System associated with the Sangachal Terminal power generation and distribution system 11 kV. The project describes the overall functionality of the power management system during various operating modes. This goal is achieved with careful planning and selection of flexible power management system architecture. The topic of the master thesis is current and it represents practical application of microscience.

Questions:

1. How does the short-circuit power differ in normal operation and local operation.
2. How does the operation practice affect on the protection mode?

Recommendation to the defense: **I recommend**

Date: 31. 5. 2018 Signature:

Notes:

1) The total thesis evaluation needn't be determined by the partial evaluations average.
2) The total evaluation (item 8) should be from the following scale:

excellent	very good	good	satisfactory	sufficient	insufficient
A	B	C	D	E	F