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:	**Distribution systems with renewable sources**
Author:	**Tigran Avakyan**
Thesis supervisor:	**Ing. František Vybíralík, CSc.**
Thesis opponent:	**doc. Ing. Zdeněk Müller, Ph.D.**

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

Brief summary evaluation of the thesis (compulsory):

The bachelor thesis is focused on distributed generation - renewable energy sources and its connection into the grid. The thesis consists of theoretical and practical part. The theoretical part consists of distributed resources description and key grid connection parameters.
Practical part is concentrated on calculations related to grid connection. At this point student describes mathematical conditions and its application on case study. The case study is well documented and contain all necessary information and conclusion. From the formal point of view the thesis should contain one final conclusion, not only partial conclusions after both thesis parts.
I recommend author to include all figures citations (and sources) according to standards.

Questions:

1. Describe the model of the grid in case study (fig. 8.1). How are these elements modeled?

Date: 20.1.2017 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