Master thesis opponent’s review

Master thesis: Possible Issues in Distributed Generation Network Protection
Author: Bc. Dang Minh Quan
Thesis supervisor: Ing. Jakub Ehrenberger
Thesis opponent: Vít Stiebitz

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: 1
4. Thesis formal and language level: 2
5. Thesis readability and structuring: 1
6. Thesis professional level: 2
7. Conclusions and their formulation: 1
8. Final mark evaluation (A, B, C, D, E, F):

   verbal: A

   excellent

Brief summary evaluation of the thesis (compulsory):
I assume Mr. Dang has fully accomplished the scope of the thesis. It copes with very relevant topic which needs to be dealt with in the area of electricity distribution. The results reached in the thesis are fully applicable in real industry environment both to protection concept creating and to related calculation regarding protection devices settings.

Questions:
1. Which type of current-time characteristic is more suitable for the network with decentralized resources connected?
2. Considering the expected development of decentralized resources in the future, will it be necessary to enhance existing overcurrent relays with other protection functions or devices?

Date: 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:

<table>
<thead>
<tr>
<th>excellent</th>
<th>very good</th>
<th>good</th>
<th>satisfactory</th>
<th>sufficient</th>
<th>insufficient</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
<td>F</td>
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