Master's thesis supervisor’s review

Master thesis: Battery Energy Storage System in the Distribution Network
Author: Tigran Avakyan

Rating (1 – 5)
(1 = best; 5 = worst):

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

Brief summary evaluation of the thesis (compulsory):

In Master's thesis the student presents main features of electricity power system. The theoretical part of the work is focused to the battery energy storage system. The student describes basic principles and operation of the battery systems.
In the next part, the author describes the structure of the battery storage and its use for electric vehicles.
The topic of the work is highly current, the author has collected publications that are focused on electric vehicles and battery storage and has drawn on them the latest information. Author made diagram of the simulated model of the BESS. The author could pay more attention to the impact of electromobility on the distribution network.
The work has a logical sequence of chapters and its graphical layout is very good.
Student worked on his task independently and very inititatively throughout the period. He came to the consultations prepared and your questions were oriented to the subject of your thesis.
Recommendation to the defense: I recommend

Date: 2.9.2019

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>
</tr>
</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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