
Smart Grid Technology – A Master Program [SGT-MAP]

WP7 – Quality Control and Monitoring of the SGT-MAP

7.3 External assessment of QA activities

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1 Introduction

To monitor and assess the quality of the implemented activities and deliverables of the SGT-Map project, two kinds of assessment were performed: internal and external. The internal assessment was conducted on two levels. The first level is the internal auditing that performed by each partner university which was managed by the contact person and QA representative of each partner. The second level is the peer-evaluation that conducted among partner universities for inter-partner assessment purposes. On the other hand, the whole project implemented activities and deliverables were evaluated through qualified external assessors. The internal and external quality assurance set-up have been carried out from the start of the project. Quality assurance representatives in the consortium partners worked in close coordination to assure all the planned activities and their close cooperation through the project duration

2 Objectives of the Deliverable

The main objective of this deliverable is to provide an external assessment for the different deliverables and activities that conducted by the project partners in the first half period of the project. This report is shared by all contact persons of the project partners as well as the project PI through the project sharing point "Project Dropbox folder" which shows the mechanism followed for the external assessment process in the project as well as the performance evaluation provided by the external assessors. Therefore, different correction actions can be taken by different partners based on the evaluation results if it is required.

3 Methodology

The methodology for externally assessing the different deliverables and activities conducted by the project partners is based on regularly monitoring of the different activities and deliverables achieved by the project team in accordance to the activities and deliverables defined in the Project Application Form. For this purpose and due to the multi-discipline nature of the SGT-MAP project, two external assessors were selected and hired, one with electrical power background "Dr. Ahmed Zobaa from Brunel University" and the other with electrical communications background "Dr Ahmed Sultan Salem from King Abdullah University of Science and Technology (KAUST)".

As HU (P6) managing the implementation process of WP7 which includes the external assessment activities, the QA responsible team at HU developed a special QA evaluation form "SGT-PEEF" to be used by the external assessors for evaluating the overall performance of the project implementation according to some specific metrics formulated in the form of several questions. This form was filled by the external assessors in addition to the other



required QA forms for evaluating other different activities and deliverables such as SGT-DEF, SGT-CSEF, and SGT-CCEF which are also developed by HU team and shared between all partners. The reports prepared by the external assessors in addition to the QA forms filled by them provide the required feedback to all partners in which necessary corrective actions for different activities are taken based on the evaluation provided in these reports and their associated filled QA forms.

4 Results

The project coordinator was succeeded to hire two qualified external reviewers to assess the implemented activities and deliverables in the project. Five QA forms were developed and mainly used for the external assessment process which are SGT-DDT, SGT-DEF-SGT-PEEF, SGT-CSEF, and SGT-CCEF.

5 Conclusions

External assessment was conducted for the project implemented activities and deliverables through the two hired external assessors. The project partners almost succeeded in achieving all their allocated tasks with the required quality of different deliverables. However, some performance metrics are missed by the external assessors which need to be considered and measured.