

## Competence-based Professional Assessment (PA) in Building Services Discipline

### Review of results of PA 2020/21

1. Results of 8 competence-based PAs were endorsed by the Qualification & Membership Board in the period between September 2020 and March 2021. Totally 5 candidates passed and the passing rate was 62.5%.
2. Statistics of not meeting the competence standard is presented below:

Competence Area	Competence	Number of not meeting the standard
Applying Engineering Knowledge	1	3
	2	2
	11	1
Developing Technical Solutions	3	3
	4	2
Managing Engineering Work	5	1
	6	0
	7	2
	12	2
Upkeeping Professional Acumen	8	0
	9	1
	10	1
Writing Assessment	13	1
	13(i)	1
	13(ii)	1

3. The major failure fell into the competency area of C1 of “Applying Engineering Knowledge” and C3 of “Developing Technical Solutions”, amounting to around 37.5% of failed candidates.
4. The second major failure fell into the competency area of C2 of “Applying Engineering Knowledge”, C4 of “Developing Technical Solutions”, and C7 & C12 of “Managing Engineering Works”, amounting to around 25% of failed cases.
5. Below is a summary of the comments giving a glimpse of the reasons for the failure of BSS candidates which are in line with the above observations.

<b>Reason(s) for Failure</b>
Five competences standards could not be met / demonstrated. This might probably be due to the candidate's actual involvement in the projects (e.g., not deep enough in the design / installation / T&C processes) due to the nature of work / department.
In view of the fact that the performance of the candidate for most of the competences cannot meet the required standard. More importantly, the candidate does not have sufficient solid design experience in HVAC, plumbing and drainage.
The candidate is lack of practical experience on project. The candidate could not apply the principles to the projects. Some rule-of-thumb figures could not be expressed or even know. Therefore, the candidate is not competent.

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