

Black Belt Level DMAIC Certification Checklist

Instructions: Please place an X in the corresponding Required Deliverable & Delighter record columns on the other side.

1 = Minimal grasp and application of tool / methodology. Candidate does not demonstrate basic use, knowledge and interpretation of tool / methodology.

3 = Understands and properly applies tool / methodology. Candidate does demonstrate basic use, knowledge and interpretation of tool / methodology.

5 = Demonstrates proper application of tool / methodology. Candidate demonstrates advanced use, knowledge and interpretation of tool / methodology. Could easily transfer knowledge and teach proper application and use of tool / methodology.

Scoring Examples:

Candidate is presenting their Project Charter to the CRB	1 = Charter not complete with basic information and / or poorly written business case, problem statement, goal etc. Solutions are stated in the business case, problem statement or goal.	3 = Charter completed correctly with 4w & 1h, SMART goal, concise business case, CBA and baseline metrics (CPk, DPMO or Sigma level)	5 = All requirements for a 3 plus additional information. DFO CBA buyoff, SPC charts and additional information.
Candidate presents baseline metrics	1 = No baseline metrics in Charter	3 = CPk, DPMO or Sigma	5 = Requirements for a 3, plus RTY, VAT, Takt, standard deviation and / or target mean and variance reduction (spread & centering).
Candidate presents Measurement System Analysis	1 = No MSA, Gage R&R or MSE	3 = MSA, Gage R&R or MSE performed on a critical X	5 = MSA, Gage R&R or MSE performed on <i>all</i> critical X's
Candidate is presenting correlation or regression	1 = Wrong X or Y and / or mis-interpretation of results	3 = Correct use and interpretation of tool and results. Demonstrates basic use and stops deeper dive into results (segmentation, further analysis etc.)	5 = Meets requirements for a 3, plus additional deeper dive and analysis of results (further test, investigation, segmentation, DOE, Main Effects, Multi-vari etc.)

Candidate must receive a minimum 80% score in ***each*** of the DMAIC Required Deliverable phases to pass the Certification Review Board. In addition to the required 80% score, candidates must receive a minimum score of 22 in the Delighters. The Delighters can be a cumulative score across all DMAIC phases.

Minimum scores for each Required Deliverable phase are as follows: D = 52, M = 24, A = 36, I = 28, C = 28 for a minimum total of 168 (210 max possible).

Additional 20% cumulative Delighter score of 22 or higher is required for CRB certification. Maximum score possible is 110.