

# Q-QUIZ AUGUST 2018 - ANSWERS

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Companies face different standards and guidelines when implementing and certifying a quality management system. These standards and guidelines define requirements for estimating and considering the measurement uncertainty. VDA Volume 5 “Capability of Measurement Processes“ explains how to meet these various requirements of the automotive and supplier industry.

1.  $u_{REST}$  is the name of the standard uncertainty from influence components that are not covered by standard influence components.
2. A Type A evaluation is based on experiments.
3. The Type B evaluation uses a limit of error and the coverage factor to calculate the standard measurement uncertainty.
4. The resolution must not exceed 5% of the tolerance.