## Star Diagram Explanatory Notes

## The Octagon of Understanding

The axis radiating from one of the eight corners of the inside octagon to the corresponding corner of the outside octagon is the linear scale of the score in one of the ACCURATE domains of understanding, ranging from 0\% to 100\%.


## The Candidate Score (the Golden Ring)

Based on the score achieved in each of the ACCURATE domains of understanding, the 'score octagon' Golden Ring of the candidate can be established.


## The Test Population Percentile Quartiles

The four green octagonal bands represent the percentile quartiles, dividing the scores into equal $25 \%$ increments within the test population. The bands range from the lowest (pale green) to the highest scores (darkest green), indicating different percentile ranks. The white ring between the second and third green bands marks the median score, representing a percentile rank of $50 \%$.


## Candidate Percentile Rank

If any corner of the Golden Ring falls on the outermost darkest green band, it means the candidate's score in that domain is better than 75\% of the population. If any corner falls inside the whit ring (representing the median score), then the corresponding score in that domain is lower than $50 \%$ of the population.


Raw data of the above diagram (for illustration only)

| Test population quartile scores | Min. | $\mathbf{1}^{\text {st }}$ quartile | Median | $3^{\text {rd }}$ quartile | Max. | Candidate <br> Score |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Ac (Actual documentation) | $0 \%$ | $57 \%$ | $72 \%$ | $86 \%$ | $100 \%$ | $92 \%$ |
| Co (Concept) | $0 \%$ | $58 \%$ | $71 \%$ | $79 \%$ | $100 \%$ | $35 \%$ |
| C (Clause reference) | $0 \%$ | $51 \%$ | $65 \%$ | $74 \%$ | $100 \%$ | $45 \%$ |
| U (Unspecified requirements) | $0 \%$ | $59 \%$ | $72 \%$ | $80 \%$ | $100 \%$ | $80 \%$ |
| R (Requirements) | $0 \%$ | $52 \%$ | $69 \%$ | $79 \%$ | $100 \%$ | $93 \%$ |
| A (Applicability) | $0 \%$ | $57 \%$ | $73 \%$ | $81 \%$ | $100 \%$ | $43 \%$ |
| T (Terminology) | $0 \%$ | $58 \%$ | $73 \%$ | $82 \%$ | $100 \%$ | $40 \%$ |
| E (Erroneous documentation) | $0 \%$ | $53 \%$ | $74 \%$ | $81 \%$ | $100 \%$ | $90 \%$ |

Score, measured in percentage, is defined as the ratio of marks achieved by a candidate out of the total available marks of the test.

Percentile rank, measured in percentage, is the percentage of scores in the test population that is less than the candidate's score.

For example, if the percentile rank is $80 \%$, it means the candidate's score is higher than $80 \%$ of the test population and lower than $20 \%$ of the test population.

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