

## Explanatory notes regarding the TestAS certificate

### Economics Module

#### Introduction

The TestAS measures intellectual abilities relevant for successful university studies. It does not require any specialist knowledge. Each subtest measures a different aspect of the cognitive abilities necessary for successful academic studies.

The TestAS consists of a Core Test that assesses the general scholastic aptitude, and four specific test modules that measure the abilities relevant for particular courses of study. Incorporating the language screening helps to assess whether and to which degree the test performance may be affected by shortcomings in the language competence. The present explanatory notes refer to the subject-specific module Economics.

The TestAS certificate contains a test taker's results in the modules and subtests which he/she worked on. Each assessed task correctly solved is valued as one point. Wrong answers and tasks which were not completed are rated as zero points.

The TestAS results are considered in various ways by German universities. The TestAS is regarded as an objective and valid instrument for the qualitative selection of study applicants. Test takers are informed about their prospects of successful studies. Universities and uni-assist can verify the authenticity of TestAS certificates handed in by applicants via the academia portal.

#### 1. What does the Standard Score stand for?

The **Standard Score** gives a test taker's results using a scale with mean 100 and standard deviation 10. Nearly all test takers are placed between 70 and 130 on this scale. Standard scores between 90 and 110 describe an average performance. The standard score allows one to compare results of different subtests directly with each other.

About 36% of the test takers reach a standard score between 90 and 100, another 36% achieve a standard score between 100 and 110. About 14% of the test takers achieve a result between 70 and 89, another 14% achieve a result between 111 and 130.

#### 2. What does the Percentile Rank stand for?

The **Percentile Rank** gives the percentage of test takers in the reference group whose scores are equal to or below the candidate's score. For instance, a percentile rank of 60 means that 60% of all test takers in the reference group have achieved the same or a lower result than the candidate; 40% of the test takers have therefore achieved higher scores.

The scale of the percentile rank covers the range from 1 to 100. If the percentile rank is between 31 and 70, the abilities measured are considered as average.

### 3. What is the difference between Percentile Ranks and Standard Scores? What can the Percentile Rank and the Standard Score be used for best?

Standard scores and percentile ranks allow to compare test takers' results with each other. They thus form the basis for selecting candidates in a reasonable way.

The **Percentile Rank** allows to establish rankings and then choose candidates from a specific part of the ranking (e.g. only those test takers who achieved the 20% highest scores)

The **Standard Score** relates the result of one test taker to the average of all candidates. Thereby, test takers of a specific performance range can be selected (e.g. only test takers with above-average results).

As opposed to the standard score, differences in percentage do not allow to draw any conclusion concerning the degree of the difference between the underlying scores.

### 4. Which abilities do the respective subtests measure?

#### a) Core Test

##### *Subtest "Solving Quantitative Problems" (SQP)*

The subtest "Solving Quantitative Problems" provides practical problems to be solved by using basic arithmetic operations.

This test measures mathematical thought and the ability to solve basic mathematical problems. The level of the arithmetic operations to be performed is elementary.

##### *Subtest "Inferring Relationships" (IR)*

In the subtest "Inferring Relationships", each question consists of two pairs of words. Two of the four words are missing, and the test taker is to identify the matching words so that both pairs of words have an analogous relationship. This requires that the test taker finds the rule governing the analogy and selects the words accordingly.

This test measures logical linguistic thought. Test takers have to identify meaning, and generalise and abstract in order to find the rule. Eventually the rule has to be concretised in order to fill the gaps.

##### *Subtest "Completing Patterns" (CP)*

In the subtest "Completing Patterns", lines, circles, quadrilateral and other geometrical shapes are arranged in the fields of a matrix according to a specific rule. The test taker is to find the rule and to apply it by identifying the missing shape in the last field.

This test measures logical graphic thought. Language skills or educational background are irrelevant.

##### *Subtest "Continuing Numerical Series" (CNS)*

The subtest "Continuing Numerical Series" provides a series of numbers structured according to a specific rule. The rule is to be found and applied in order to identify the missing number.

This test measures logical numerical thought. Knowledge of the four basic arithmetic operations, that is, addition, subtraction, multiplication and division is sufficient to answer the questions.

## b) Economics Module

### *Subtest "Analysing Economic Interrelationships" (AEI)*

In the subtest "Analysing Economic Interrelationships", the test taker is to analyse and interpret economic diagrams, charts and tables.

This test measures mainly the test taker's ability to differentiate between relevant and unimportant data and to draw the correct conclusion from the information given. Background information will be provided if necessary.

### *Subtest "Analysing Processes" (AP)*

In the subtest "Analysing Processes", the test taker is to formalise sequences of events and analyse flow charts.

This test measures mainly the ability to convert concrete economic facts into models and to think within the context of formalised systems. It also measures critical thought in the sense that given facts are tested for correctness and not accepted as true a priori.

## 5. What does the result of the Language Screening mean?

The language screening serves to interpret the TestAS results in the light of the test taker's language knowledge. It does not replace a language certificate such as TestDaF, IELTS or TOEFL. The results of the language screening are given in terms of the levels of the Common European Framework of Reference for Languages (CEFR). The language screening covers the levels from A2 to B2.

Please find more information about the CEFR on:

<http://www.goethe.de/z/50/commeuro>

[http://www.coe.int/T/DG4/Portfolio/?L=E&M=/documents\\_intro/common\\_framework.html](http://www.coe.int/T/DG4/Portfolio/?L=E&M=/documents_intro/common_framework.html)

The respective levels are being described in the Common European Framework of Reference for Languages as follows:

### *A Basic User*

#### *A1 Breakthrough*

Can understand basic instructions or take part in a basic factual conversation on a predictable topic. Can understand basic notices, instructions or information. Can complete basic forms, and write notes including times, dates and places.

#### *A2 Waystage*

Can express simple opinions or requirements in a familiar context. Can understand straightforward information within a known area, such as on products and signs and simple textbooks or reports on familiar matters. Can complete forms and write short simple letters or postcards related to personal information.

### *B Independent User*

#### *B1 Threshold*

Can express opinions on abstract/cultural matters in a limited way or offer advice within a known area, and understand instructions or public announcements. Can understand routine information and articles, and the general meaning of non-routine information within a familiar area. Can write letters or make notes on familiar or predictable matters.

**B2**     *Vantage*

Can follow or give a talk on a familiar topic or keep up a conversation on a fairly wide range of topics. Can scan texts for relevant information, and understand detailed instructions or advice. Can make notes while someone is talking or write a letter including non-standard requests.

*No language screening results available*

Due to the technical conditions in some test centres, the online language test onScreen cannot be offered to all test takers. Consequently, there will not be a language screening result in the certificates of the test takers concerned.