

## ITGS Project - Criterion B: Analysis

The student must ensure that the proposed IT solution addresses the inadequacies identified in criterion A. The **analysis form** must be used. The analysis must consist of the following two parts, which must be submitted as a single document.

- A completed requirements specification using the first section of the form
- Justification for the proposed solution, as extended writing using the second section of the form

### Requirements specification

The following information must be included.

- System interaction
- Input and output requirements
- Processing
- Security
- Specific performance criteria that are evaluated in criterion F to determine the effectiveness of the solution

**Justification of proposed solution** The rationale behind the choice of the proposed solution must be in **extended writing** justifying how the choice of this particular product is the most effective IT solution to the problem identified in criterion A. It is expected that this is based largely on the information within the requirements specification.

Other information that can be included in the justification for the proposed IT solution may refer to:

- whether the student has the IT skills and access to the software required to develop the IT solution
- whether the client's hardware and software is compatible with the IT solution
- the level of training necessary for the client to use and maintain the proposed IT solution
- to what extent the input and output requirements of the client are met by the IT solution
- whether the data required for the IT solution can be obtained by either the client or the student
- how any security implications for the development and operation of the IT solution can be resolved.

Marks	Level descriptor
0	The work does not reach the standard described by the descriptors below.
1	The analysis form is used, refers to the scenario described in criterion A <b>and</b> includes either a requirements specification that can be used to partially evaluate the effectiveness of the IT solution <b>or</b> a limited explanation of why the IT solution was chosen.
2–3	The analysis form is used, refers to the scenario described in criterion A <b>and</b> includes a requirements specification that can be used to partially evaluate the effectiveness of the IT solution <b>and</b> an adequate explanation of why the IT solution was chosen.
4–5	The analysis form is used, refers to the scenario described in criterion A <b>and</b> includes a requirements specification that can be used to effectively evaluate the success of the IT solution <b>and</b> a detailed justification of why the IT solution was chosen.