

Information Security Assessment Process

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ABSTRACT

The IB assessment model defines the scope of assessment reflecting the context of the IB assessment within the IB assessment criterion, the mapping and transformation of the assessment into the parameters of the assessment object, and also establishes indicators that ensure the IB assessment in the field of assessment.

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Evidence of an IB assessment includes records, statements of facts or any information that is relevant to the IB assessment criteria and can be verified. Such evidence of the assessment of information security may be evidence of ongoing and completed activities to ensure information security in the form of accounting, regulatory, administrative documents, survey results, observations.

The context of the IB assessment combines the goals and purpose of the IB assessment, the type of assessment (independent assessment, self-assessment), the object and areas of the IB assessment, the limitations of the assessment and the roles.

Key elements of the evaluation process

The IB assessment process includes the following elements of the assessment:

- the context of the assessment, which determines the input data: the goals and purpose of the IB assessment, the type of assessment (independent assessment, self-assessment), the object and areas of the IB assessment, the limitations of the assessment and the role;

- evaluation criteria;

- evaluation model;

- activities of the evaluation process: collection of evaluation evidence and verification of their reliability, measurement and evaluation of the attributes of the evaluation object;

- evaluation output.

The main elements of the IB assessment process [3] are presented in Figure 3 in the form of a process model.

Before considering the specifics of the organization's IS assessment methods, it is necessary to describe the components common to any IS assessment: the assessment context, the collection of assessment evidence and verification of their reliability, the measurement and evaluation of attributes during various types of assessment (independent assessment, self-assessment) and the evaluation output. The evaluation model and evaluation criteria that determine the features of evaluation methods will be discussed in other sections.

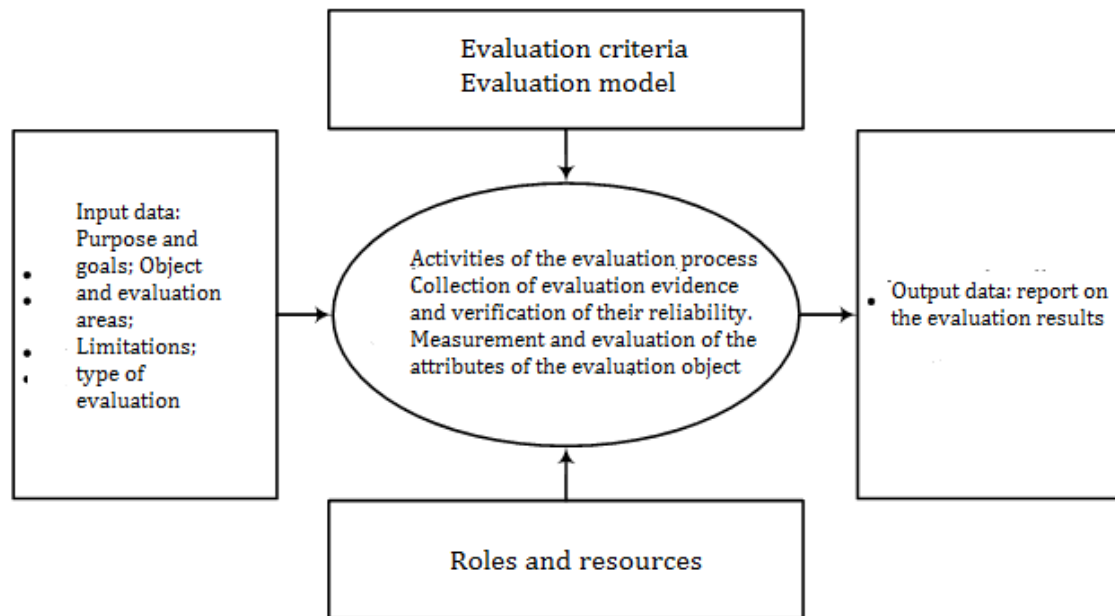


Figure 1- The main elements of the IB assessment process

Let's take a closer look at the elements of the organization's information security assessment process.

The context of an organization's information security assessment

The context of the IB assessment includes the goals and purpose of the IB assessment, the type of assessment, the object and areas of the IB assessment, the limitations of the assessment, roles.

The roles involved in the implementation of the evaluation process include the organizer, analyst, head of the evaluation team, appraiser, asset owner, representative of the object of evaluation.

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