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Procedure Title:	Functional classification criteria of components and their characteristics	Revision :	00

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LIST OF CHANGES		
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1 GENERALITIES

The need to draw up a guideline to define the importance of the components that are part of the complex/product, pushed Berco to attribute a classification based on the different importance that these components have in the complex/product for which they are intended.

2 SCOPE

Define the principles that regulate and define the functional classification of the product and its characteristics, identify the functional classes and the activities resulting from the classifications.

3 SCOPE OF APPLICATION


The operating instruction shall be applied to all projects when drawing up new or modified drawings, specifications and other supporting documentation, of:

- Individual undercarriage components;
- Undercarriage assemblies;
- Undercarriage kit.

4 RESPONSIBILITY

The Technical Directorate is responsible for the management and revision of this standard.

- Project Managers are responsible for verifying the correct application of the characteristics in the reference technical documentation.
- It is the designer's responsibility to indicate the functional class and important characteristics on the reference technical documentation (drawings).

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5 OPERATING MODES

5.1 COMPONENT CLASSIFICATION CRITERIA

Components are generally given a “classification” based on the different importance they have for the functionality of the product for which they are intended. This classification is necessary to “identify” the parts of the project and must be performed according to the criteria indicated below:

FUNCTIONAL CLASS OF A COMPONENT		
Indication of the Functional Class		DESCRIPTION
F	Functionality	They are fundamental COMPONENTS for the correct functioning of the system and are decisive for costs, company image and customer satisfaction.
S	Safety	they are COMPONENTS of functional class F in which some characteristics are classified as SAFETY (correlatable to safety and legislation) and for which the recording of the results of the conformity checks is required.
M	MAIN	COMPONENTS considered very important for functionality, image and/or costly replaceability.
<p style="color: red;">The functional class S is shown on the product drawing itself.</p> <p style="color: red;">The FM functional classes are referred to in the relevant product specifications.</p>		
NON-Functional Class		DESCRIPTION
IP	Intellectual Property	They refer to product requirements that are considered intellectual property of the company and therefore must be protected from unauthorized and uncontrolled disclosure.

IMPORTANT: For products classified as S, F, M and IP, the product specifications and the related supply contracts must not be distributed in the absence of “Committee Approval” directly issued by the Board.

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6 CLASSIFICATION OF COMPONENT CHARACTERISTICS

Each component is made up of a set of specific technical characteristics.




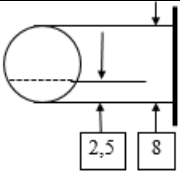
These characteristics are assigned a specific "importance class" which will result in:

- from the consequences that any deviation of this characteristic from the specific technical requirements may cause on the product for which the component is intended;
- from the probability that such consequences may manifest themselves (e.g. project more or less sized in relation to the characteristic);
- from the probability that such deviation may occur (e.g. characteristic more or less easily obtainable with normal production processes).
- These classifications are essential to define the levels of importance to be attributed to the characteristics of the component; in fact, they:
 - guide you in choosing an appropriate production process (e.g. machinery, cycles, periodic maintenance and tuning, etc.),
 - lead to a more rational distribution of tests (e.g. cycles and equipment, periodic calibration of instruments, sampling plans, etc.).

In order to establish the level of importance of the characteristics, Berco adopts the criteria reported in the following table 1:

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PROSPECTUS 1

CLASS OF IMPORTANCE	POSSIBLE CONSEQUENCES ON THE PRODUCT DUE TO DEVIATION FROM THE TECHNICAL REQUIREMENTS	SYMBOLS FOR IDENTIFICATION ON TECHNICAL DOCUMENTS
SAFETY FEATURES SAFETY	Deviation from the specific requirements may compromise the efficiency and use of the product, even with legal implications (safety, compliance with current legislation, etc.)	
CRITICAL FEATURES. FUNCTIONALITY	Deviation from the specific requirements may compromise the efficiency and/or use of the product (functioning, performance, reliability, induced costs, image, etc.)	
MAIN FEATURES. MAIN	Deviation from the specific requirements may result in a partial reduction in the efficiency and/or usability of the product.	
The basic symbol for identification on drawings or technical documents is a circle with a horizontal segment through it.		

Based on the classification, for each characteristic, necessary activities must be carried out in order to ensure the conformity of the components to the technical specifications.

6.1 SPECIAL FEATURES OF THE COMPONENT

@ The following characteristics are defined as "SPECIAL":

- a) **Safety**
- b) **Functionality**
- c) **Main**

NOTE: It is It is also possible to identify some features as "SPECIAL" upon request by the Customer.

- SPECIAL features must always be reported directly on the technical documents relating to the component (drawings, specifications, etc.).