

PM Structuring Technical Systems

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Prepared for R/3 Release 2.2.

August 94

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Overview: Structuring and Managing Technical Systems

Introduction

If a company wishes to install DP-supported maintenance, it needs to record, structure and manage the technical systems on a long-term basis. Only in this way can a maintenance worker trace individual objects specifically for maintenance purposes.

Advantages of Structuring

Structuring the objects in your company in a logical manner has the following advantages:

- It reduces data recording requirements.
- It reduces the time required to manage the equipment.
- It simplifies maintenance processing.
- It allows maintenance data to be evaluated more specifically, thoroughly and quickly.

Note

You should therefore give some consideration to the way in which you structure the objects, allowing sufficient time for planning the structure and weighing up all the pros and cons of your structuring approach. Note that it takes longer to restructure objects later on than it does to structure them in the first place.

Structuring Options

The SAP Module PM offers various structuring options, so that you can select those which are suited to the needs of your company. Each structuring method is flexible and can be easily and quickly adapted to suit your needs.

You can structure your technical systems in the PM System in any of the following ways:

- functional structure
You subdivide the system into *functional locations*. This also allows you to take into account the locational or process-oriented structure of the object.
- object-related structure
You subdivide the system into individual technical objects or *pieces of equipment*.
- from a technical point of view
You allocate the technical objects that make up the system to object classes (equipment, functional location and assembly classes).
- from an accounting point of view
You allocate the system and its technical objects to cost centers or tangible assets.

Combining the Structuring Options

You can also employ a combination of the structuring options listed above. If you have a system structure that is both function and object-related, this allows you to make the following distinction:

- The functional location represents the site where the functions are performed.
- The piece of equipment represents the object performing the function.

Analyzing system malfunctions will then reveal whether or not those that occur repeatedly are

linked with the usage site or are specific, for example, to the objects made by a particular manufacturer.

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