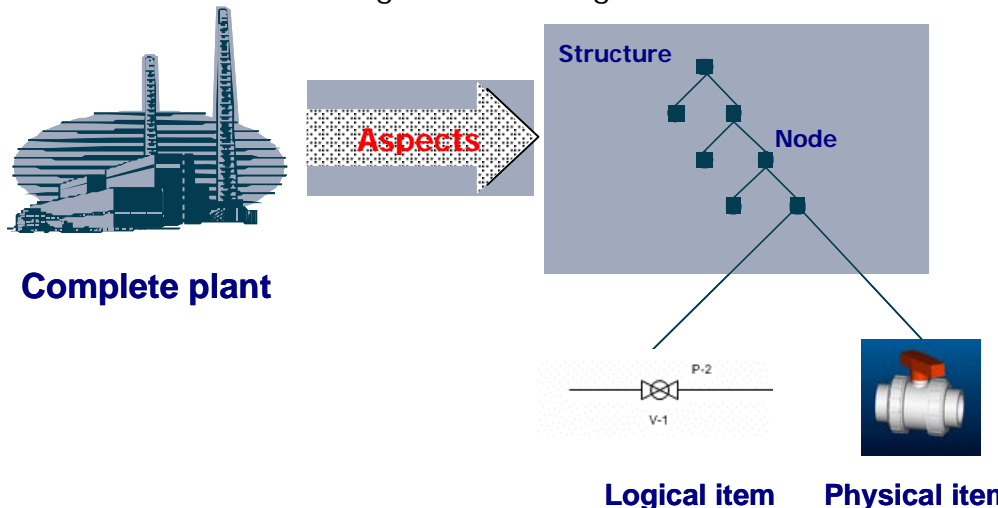


Reference Designation System – An Investment into the Future



Structuring to manage complexity

As information related to technical objects, particularly within bigger installations or complex products is nowadays more often stored in extensive databases, a systematic means of addressing and retrieving that information is needed.



Such systematic addressing shall be based on generally applicable structuring principles that ensure an extensively harmonised approach to this task.

The International Standard IEC 61346 series provides such structuring principles as well as basic rules for the coded description of structures called **reference designation**.

However, it was recognised that efficient, ergonomic, economic and widely unified industrial application of reference designation cannot get by with principles and general rules only.

A **reference designation system** covering branch-related specific needs under compliance with a generally applicable concept is the internationally agreed solution. Therefore, the development of a user friendly, instruction-for-use-like Reference Designation System (RDS) was launched on the ISO (International Organization for Standardization) platform.

As a **Technical Specification ISO/TS 16952 series**, this multipart standard should enable a unified unequivocal designation of technical objects in all technical fields.

Investing into the future today

With an iXIT expert as **convenor/project leader** of the ISO international working group developing this standard, we have not only direct access to up-to-date information, we actually **profoundly influence and lead the development**. Therefore, we can provide our customers with future-oriented solutions already today.

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Benefits of the ISO/TS 16952 Reference Designation System

The ISO/TS 16952 RDS will provide the following advantages for users:

- It is applicable in all phases of the life cycle of a system/ product.
- It is capable of being applied in both a top-down and a bottom-up approach.
- It unambiguously identifies any single object within an overall system.
- It is fully applicable to all technical areas.
- It supports the incorporation of sub-systems/products from multiple organisations into systems owned by other organisations without the need to change the original sub-systems/products and their documentation.
- It supports the representation of a system under different aspects, independent of its complexity.
- It supports the handling of computer programmes and parts of those as technical products.
- It is easy to apply and the reference designation codes are easy to understand and memorise.
- It supports the use of and is able to be implemented by computer-aided tools for engineering, construction, operation & maintenance, etc.
- It is applicable in combination with other identification systems and tools.

iXIT Services

To implement an RDS in your organization and your processes, you can rely on iXIT Services, such as

- Analysis of your structuring and designation needs.
- Development of a concept for structuring your projects/ plants/ products
- Implementation of a customized Reference Designation System, including
 - Training of power users (training the trainers) incl. training manuals/ materials
 - Set up of a quality management system for error-free designation jointly with your quality management experts
 - Implementation of the RDS in your computer aided tools for design, engineering, construction, operation & maintenance etc.
- Monitoring of early applications, and adaptation of the system as per feedback
- After sales consulting, trouble shooting, project-specific support

About iXIT

Our main **activities** are project management, process and technology consulting, and software and systems development.

Our **customers** are successful in pharmacy, power generation, and process technology. Our **projects and solutions** are deployed world-wide.

Our **mission** is to enable our customers to improve quality, efficiency and pay back of their business processes that are related to product development, manufacturing, operation, maintenance and service.

Our **competence** is based on business and process know-how that is relevant to our customers, and on detailed technical expertise in information technology and automation.

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