REFERENCE DESIGNATION SYSTEM

Få et fælles sprog med ISO/IEC 81346

DS Webinar - 27. oktober 2022

Systems Engineering A/S



- 1. Forudsætninger for ISO/IEC 81346
- En ny forståelse for den referencemodel, som ISO/IEC 81346 skaber, samt dens anvendelse til bl.a. digitalisering
- 3. Praktiske **eksempler** på anvendelse af ISO/IEC 81346 samt diverse hjælpekanaler
- 4. Gode råd til **implementeringsstrategi** i din virksomhed, der rent faktisk virker
- 5. Q&A



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SYSTEMS ENGINEERING A/S

Udvalgte referencer



PRÆMISSEN: ALT ER SYSTEMER!







SYSTEM DEFINITION

3.2

system

set of interrelated *objects* (3.1) considered in a defined context as a whole and separated from their environment

Note 1 to entry: A system is generally defined with the view of achieving a given objective, e.g. by performing a definite function.

Note 2 to entry: Elements of a system may be natural or man-made material objects, as well as modes of thinking and the results thereof (e.g. forms of organisation, mathematical methods, programming languages).

Note 3 to entry: The system is considered to be separated from the environment and from the other external systems by an imaginary boundary, through which the system is related to the external systems.

Note 4 to entry: The term "system" should be qualified when it is not clear from the context to what it refers, e.g. control system, colorimetric system, system of units, transmission system.

Note 5 to entry: When a system is part of another system, it may be considered as an object as defined in this document.

Source: ISO/IEC 81346-1:2022

THE HUMAN BODY CONSIST OF 11 SYSTEMS





et fælles sprog







THE RDS 81346 SYSTEM LIBRARIES

Your new best friend



Illustrations used with kind permission from LEGO System A/S

The system elements to create a model from



Different tables for different industries





Different tables for different industries



Different tables for different industries



RDS 81346 REFERENCE MODEL

The neutral infrastructure model for all disciplines



DIGITAL MODELS



DIGITAL MODELS



DIGITAL MODELS



RDS 81346 TECHNIQUE



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REFERENCE MODEL



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NB: Codes are indicative

A REFERENCE MODEL LINKS MODELS

Control and manage the hydraulic pump in each model it is represented



EXAMPLE: CONSTRUCTION SYSTEMS

The reference model in construction works (RDS-CW)



EXAMPLE: TAP WATER SYSTEM

Need for common language in construction







LOVEN OM DIFFUS INNOVATION

Implementeringsstrategien der rent faktisk virker!





S)

Recents

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More

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NB! Findes også på tysk og engelsk.

Vejledning i RDS – Referencebetegnelsessystemer

TAG-nummerering til systemer iht. ISO/IEC 81346-serien



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"Only complexity can reduce complexity"

Niklas Luhmann (1927 – 1998)