



Semantics of Business Vocabulary and business Rules (SBVR)

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Outline

Scope

Relevantie

Definities

Scope

Scope

- **Purpose:** definiëren van vocabulary en regels -> semantiek
documenteren van bedrijfsvocabulary en -regels
- **Goal:**
 - uitwisselen van vocabulary en regels tussen organisaties en software tools
 - bedrijfsregels begrijpbaar maken voor niet-IT werknemers

Hoe?

- Vocabularium
- Semantische regels over vocabularium

Example

concept type

Definition:

object type that *specializes* the concept 'concept'

Note:

A concept is related to a concept type by being an instance of the concept type.

Example:

fact type, role, concept type

Uitbreiding: Creatie v. eigen vocabularies

car movement

- Definition: planned movement of a rental car of a specified car group from a sending branch to a receiving branch
- Reference Scheme: movement-id
- Description: A car movement meets the business requirement that a car of a given group has to be moved between branches (“we need to move a full-size car from the London City branch to the Heathrow Airport branch”). A specific car will be assigned to it at some time, not necessarily when the requirement is first identified.
- Note: car movements play roles in both ‘rental’ and ‘car transfer’ and car movements are scheduled in these roles.

car movement has movement-id

- Necessity: Each car movement has exactly one movement-id.

car movement has receiving branch

- Necessity: Each car movement has exactly one receiving branch.

car movement has sending branch

- Necessity: Each car movement has exactly one sending branch.

car movement specifies car group

- Synonymous Form: car group is specified in car movement
- Necessity: Each car movement specifies exactly one car group.

Toepasbaarheid ivm. cursus

Eenvoudige omzetting van en naar UML:

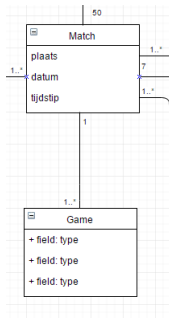


Figure: "it is necessary that each match has at least one game"

Relevantie

Bedrijfsregels: Wat?

- Regel binnen het bedrijf
 - vb. "Alle werknemers moeten om 10u rapporteren aan het onthaal."
- Bedrijf heeft alle "jurisdictie" over de regels
- Regels of aanzet tot regels zijn niet opgelegd door externe instanties
- Enforceerbaar, niet-ambigu
- Regels zijn onderling onafhankelijk
- In de taal van het bedrijf
- Aanpasbaar

Bedrijfsregels: Waarom?

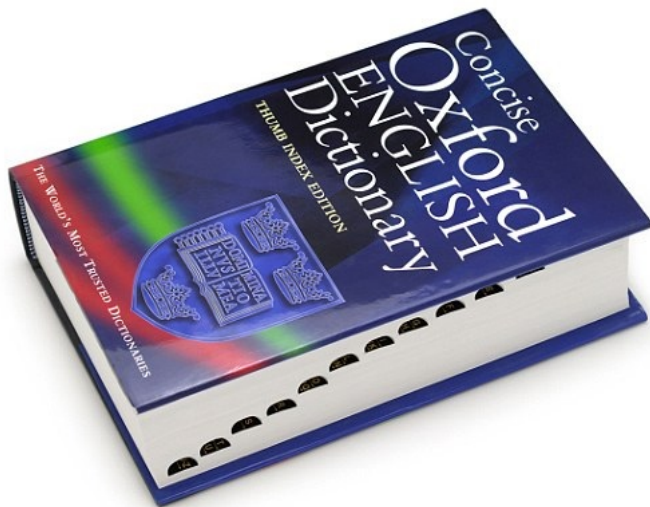
- Duidelijkheid
- Transparantie
- Structuur

Definitives

Bouwstenen SBVR Modellen

1. Vocabularies and terminology dictionaries
2. Noun and verb concepts
3. Definitional and operational business rules

1) Vocabularies and terminological dictionaries



2) Noun concept

noun concept

Definition: concept that is the meaning of a noun or noun phrase

2 types:

- general noun concepts

Definition: noun concept that classifies things on the basis of their common properties

- aangeduid met term

- individual noun concepts

Definition: noun concept that corresponds to at most one thing in all possible worlds

- aangeduid met naam

2) Noun concept

2) Verb concept

3) Definitional and operational business rules

Bedankt voor uw aandacht