



# Semantics of Business Vocabulary and business Rules (SBVR)

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# Outline

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# 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?

- Vocabulary
- Semantische regels over vocabulary

# 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:

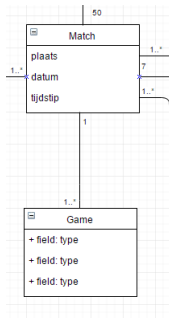


Figure: "it is necessary that each match has at least one game"



# 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

# Definities

# Bouwstenen SBVR Modellen

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

# Vocabularies and terminological dictionaries

# Noun and verb concepts

# Definitional and operational business rules



Bedankt voor uw aandacht