

## E.2 EU-Rent Examples

The case study is presented in two parts. The first subclause illustrates EU-Rent's specification of its vocabulary business context, i.e., its use of the SBVR constructs to define the EU-Rent communities, bodies of shared meanings and vocabularies. The second subclause illustrates the contents of one of EU-Rent's vocabularies -- the [EU-Rent English Vocabulary](#) of the [EU-Rent English Community](#) (a speech community) -- along with its associated rule sets.

### *Limitation of scope*

Some entries in the examples have been left informal in order to limit the overall size of the case study. They might, in a 'real' SBVR model, be expanded into substantial formal structures.

### E.2.1 The EU-Rent Vocabulary Business Context

The entries in this subclause define the business context of EU-Rent's several vocabularies -- i.e., its communities and subcommunities, its vocabularies and bodies of shared meanings, and how these elements inter-relate. Figure E.2 presents a partial instance diagram of the concepts and facts that express EU-Rent's vocabulary business context.

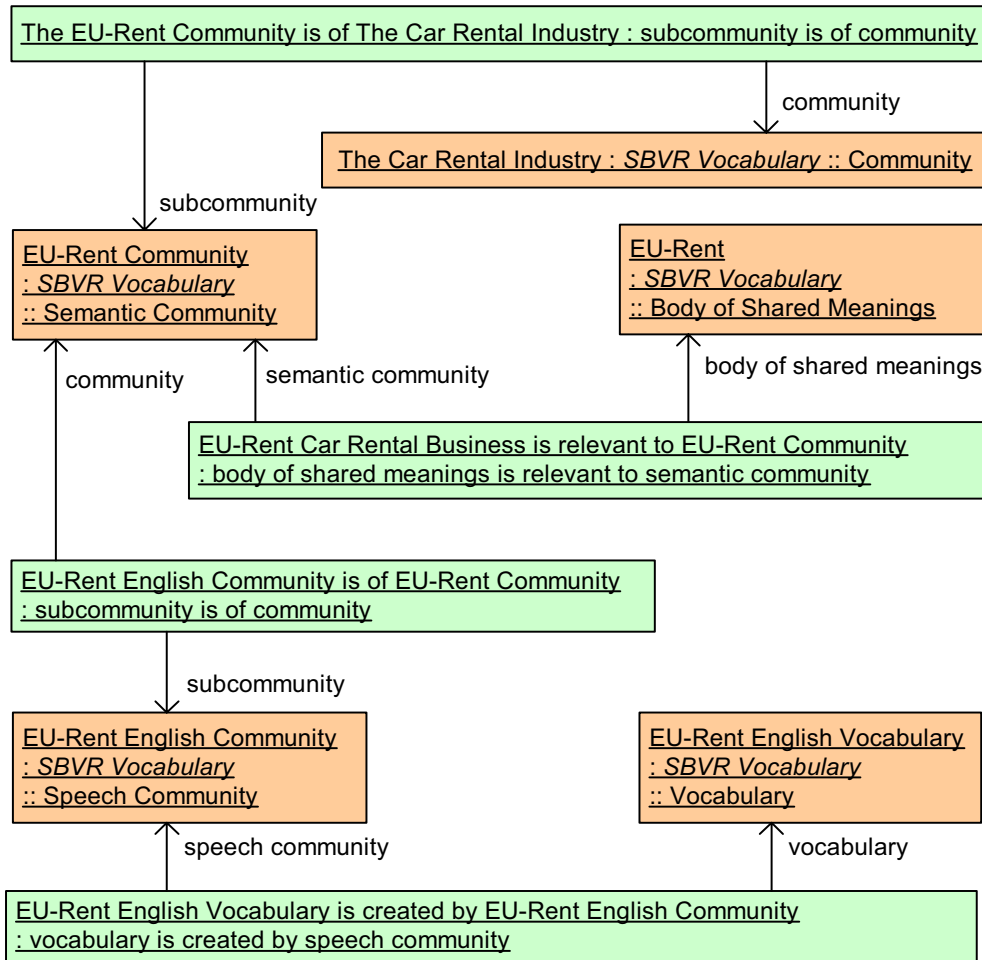


Figure E.2 - Instance diagram of concepts and facts expressing EU-Rent’s vocabulary business context

### E.2.1.1 EU-Rent Semantic Community

#### The Car Rental Industry

Definition: the semantic community that is the group of people who work in the business of renting cars

#### Car Rental Business

Definition: the body of shared meanings that is the set of concepts that are generally accepted as important across The Car Rental Industry

Necessity: Car Rental Business is relevant to The Car Rental Industry.

Necessity: Car Rental Business is relevant to The EU-Rent Community.

#### EU-Rent

Definition: the international car rental company that trades as “EU-Rent.”

### EU-Rent Car Rental Business

Definition: [the body of shared meanings that is the set](#) of concepts that are important to [The EU-Rent Community](#)

Necessity: [EU-Rent Car Rental Business is relevant to The EU-Rent Community](#).

### The EU-Rent Community

Definition: [the semantic community that comprises](#) all employees of EU-Rent and all others who share their body of [concepts](#) and use their [vocabularies](#)

Necessity: [The EU-Rent Community is a subcommunity of The Car Rental Industry](#)

### EU-Rent HQ

Definition: [the organization unit that is](#) EU-Rent's world headquarters and management company

Description: [EU-Rent HQ](#) sets global policy and owns the world-wide reservations system.

### EU-Rent HQ Staff

Definition: [the community that is the set](#) of employees of [EU-Rent HQ](#)

Necessity: [The EU-Rent HQ Staff is a subcommunity of the EU-Rent community](#).

## E.2.1.2 EU-Rent Speech Communities and Vocabularies

### E.2.1.2.1 Language-independent Vocabularies

#### ISO Dictionary of International Symbols

Definition: [the vocabulary that](#) is defined by ISO, of graphical symbols that have consistent meanings regardless of which natural languages they are used with

Synonym: [ISO-DIS](#)

Reference Scheme: [ISO-DIS](#) index

Note: This is a fictitious standard. Work in this area is going on within ISO, but no standards have yet been published.

#### ISO-DIS

Synonym: [ISO Dictionary of International Symbols](#)

### E.2.1.2.2 EU-Rent English Community

#### The EU-Rent English Community

Definition: [the speech community that is within The EU-Rent Community](#) and has English as its primary natural language

Description: Most members of [The EU-Rent English Community](#) are employees of: [EU-Rent HQ](#), [EU-Rent CA](#), [EU-Rent GB](#), [EU-Rent IE](#), [EU-Rent US](#); trading partners of those EU-Rent companies; other EU-Rent companies who interact in English with them.

Necessity: [The EU-Rent English Community is of The EU-Rent Community](#).

#### Car Rental Industry Standard Glossary

Definition: [the vocabulary that is defined in English by The Car Rental Industry](#)

Synonym: [CRISG](#)

Reference Scheme: [CRISG](#) terms

## CRISG

Synonym: [Car Rental Industry Standard Glossary](#)

## Merriam-Webster Unabridged Dictionary

Definition: [the vocabulary](#) that is the 2004 edition, published by Merriam-Webster

Synonym: [MWU](#)

Reference Scheme: [MWU](#) terms

## MWU

Synonym: [Merriam-Webster Unabridged Dictionary](#)

## EU-Rent English Vocabulary

Definition: [the vocabulary](#) that is created by [The EU-Rent English Community](#)

Necessity: [EU-Rent English Vocabulary](#) incorporates [MWU](#).

Necessity: [EU-Rent English Vocabulary](#) incorporates [ISO-DIS](#).

Necessity: [EU-Rent English Vocabulary](#) incorporates [ISO-CRISG](#).

Necessity: [CRISG](#) has precedence over [MWU](#).

Note: The necessity above means that if a signifier used in the EU-Rent English Vocabulary is implicitly understood - i.e., does not have an owned or explicitly adopted definition - it should first be looked up in CRISG, and if it is not there, then in MWU.

### **E.2.1.2.3 EU-Rent German Community**

#### The EU-Rent German Community

Definition: [the speech community](#) that is within [The EU-Rent Community](#) and has German as its primary natural language

Description: Most members of [The EU-Rent German Community](#) are employees of: [EU-Rent DE](#); trading partners of EU-Rent DE; other EU-Rent companies who interact, in German, with [EU-Rent DE](#)

Necessity: [The EU-Rent German Community](#) is of [The EU-Rent Community](#).

#### Deutsches Universalwörterbuch

Definition: [the vocabulary](#) that is the 2003 edition published by [Duden](#)

Synonym: [DUW](#)

Reference Scheme: [DUW](#) terms

## DUW

Synonym: [Deutsches Universalwörterbuch](#)

#### Glossar für Autovermietungsgeschäft

Definition: [the vocabulary](#) that is defined in German by [The Car Rental Industry](#)

Synonym: [GFA](#)

Reference Scheme: [GFA](#) terms

## GFA

Synonym: [Glossar für Autovermietungsgeschäft](#)

## EU-Rent German Vocabulary

- Definition: the vocabulary that is created by the EU-Rent German Community
- Necessity: EU-Rent German Vocabulary incorporates DUW.
- Necessity: EU-Rent German Vocabulary incorporates GFA.
- Necessity: EU-Rent German Vocabulary incorporates ISO-DIS.
- Necessity: GFA has precedence over DUW.
- Note: The necessity above means that if a signifier used in the EU-Rent German Vocabulary does not have an owned or explicitly adopted definition, it should first be looked up in GFA, and if it is not there, then in DUW.