Semantics of Business Vocabulary and Rules (SBVR) is a general purpose business modeling language standard, defined by the Object Management Group (OMG). The SBVR tools enable aeronautical domain experts to create AIXM 5 business rules for any operational constraint, making this easier and more manageable. The tool set includes a compiler to encode the business rules into Jython programming language. SBVR tools offer an easy, safe and assisted way to compose and manage a custom rule-set in an almost natural easy-to-learn language, which is also descriptive and standardised. Consequently, domain experts of ANSPs, airports, hubs and data integrators can quickly set up their individual validation rule set assuring data quality.

Key Features

- Rule formulation in human readable descriptive language
- Syntax highlighting, rule syntax validation and automatic text completion
- AIXM 5 application schema extension support formulates rules validating custom extensions of the AIXM 5 model
- Manage the complete lifecycle of business rules
- Audit changes
- Import rulesets from various sources
- Support of custom rule properties

SBVR tools at a glance

- Intuitive modern user interface
- Multi-user and role support
- Rule lifecycle support
- AIXM 5 core model and extensions support
- SWIM readiness
- Rich pre-defined set of standard business rules
- Generation of business rule executable code
- Automatic deployment into data management system

Aeronautical Information Management
Benefits

Advanced management suite
SBVR tools are a mature and complete management suite for business rules, enabling all customers maintaining their data individually and ensuring their particular needs for data quality.

Business rules in natural language
Business rules are expressed in an almost natural descriptive language assisted by syntax highlighting, completion and validation. SBVR tools support the whole business rule set of the European AIS Database (EAD).

Technical specifications

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Business rule validation
SBVR tools support not only the complete AIXM 5 data model with all features and objects but also any AIXM 5 application schema extension with custom features, objects and attributes.

State of the art web client
SBVR tools is a multi-user system with an state of the art HTML web interface.

Auditability
SBVR tools support full traceability of every change through the whole business rule's life cycle.