

DIV-2 Logical Data Model

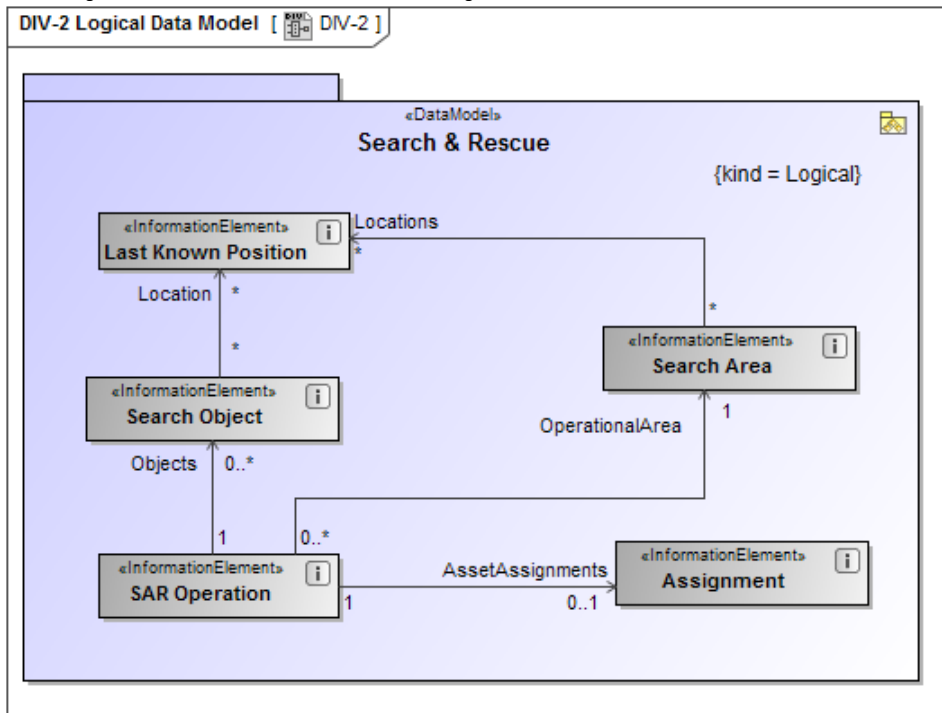
Description

The DIV-2 allows analysis of an architecture's data definition aspect, without consideration of implementation specific or product specific issues. Another purpose is to provide a common dictionary of data definitions to consistently express models wherever logical-level data elements are included in the descriptions.

Implementation

DIV-2 can be represented using:

- DIV-2 diagram which is based on the UML Class diagram.



- UML Class diagram.
- SysML Block Definition diagram.

Data described in a DIV-2 may be related to Information in an [OV-1 High Level Operational Concept Graphic](#) or and Activity Resource (where the Resource is Data) flow object in an [OV-5b Operational Activity Model](#). This relation may be a simple subtype, where the Data is a proceduralized (structured) way of describing something. Recall that Information describes something. Alternatively, the relation may be complex using Information and Data whole part (and overlap) relationships.

The DIV-2 information elements can be constrained and validated by the capture of business requirements in the [OV-6a Operational Rules Model](#).

The information elements modeled in the DIV-2 also capture the information content of messages that connect life-lines in an [OV-6c Event-Trace Description](#).

The DIV-2 may capture elements required due to Standards in the [StdV-1 Standards Profile](#) or [StdV-2 Standards Forecast](#).

Related elements

- [Information Element](#)
- [Data Model](#)

Related procedures

- [Creating DIV-2 diagram](#)