

# Notify Verb Usage Tech Sheet

## Definition

### Notify Verb

Notify is used to inform the receiving party that an event has occurred or document has been created. For example, a supplier may have a proposed order that is sent to a trading partner. The noun will contain the data that has been proposed. An optional ConfirmBOD can be sent as a response.

## Notify Verb Implementation Guidelines

### Data Management Language Specifications

The objective of this specification is to describe the language and guidelines for communicating and processing data management instructions (Create, Read, Update, and Delete operations) specified within message instances for messages defined in OAGi's Integration Specification (OAGIS).

OAGIS defines three types of verbs: Action, Request, and Response types. This document focuses on the **Notify** verb, which is an Action type verb. The paragraph below defines the Action Type Verb according to the OAGIS Data Management Language.

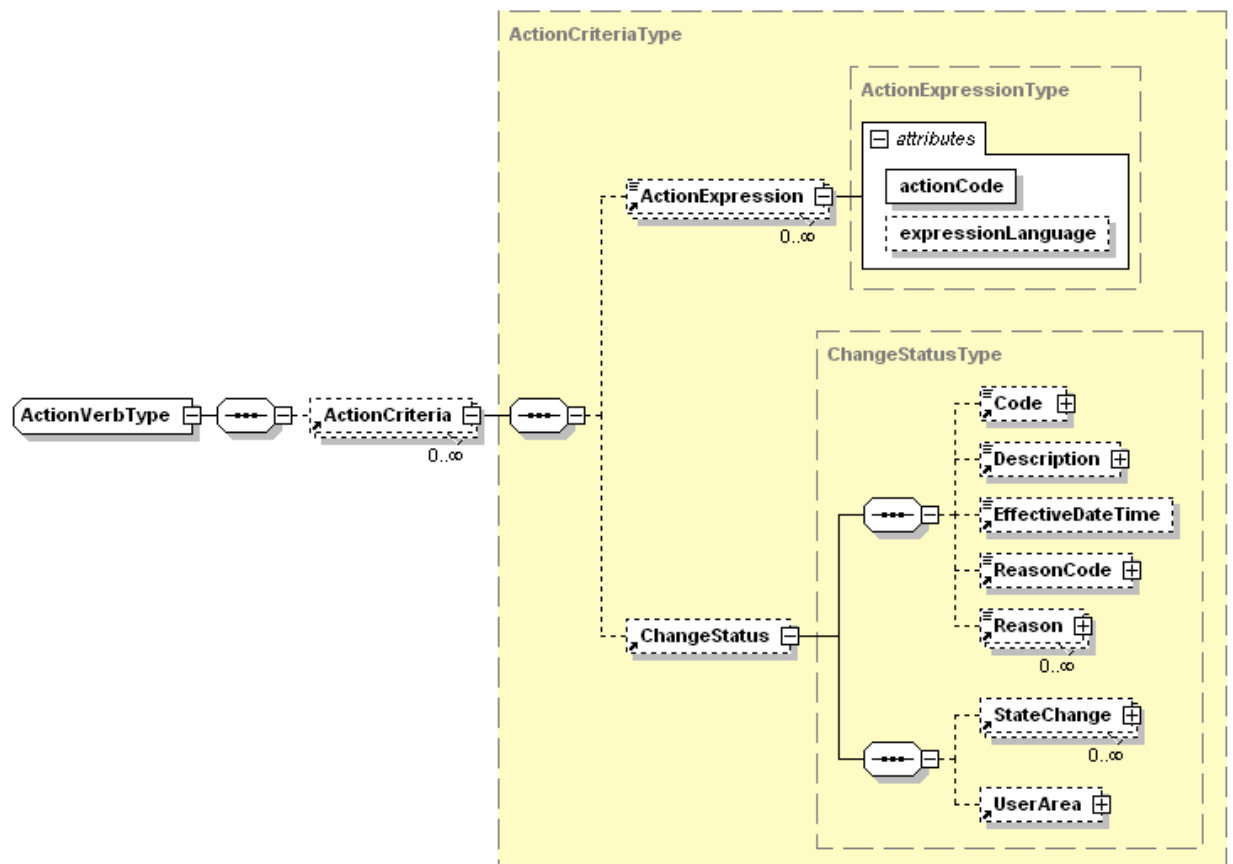
The action verbs are the OAGi language elements through which Create, Update, and Delete data management instructions are conveyed by message senders to receivers. Figure 1, shows the elements of the ActionVerbType schema definition. An action verb supports zero-to-many ActionCriteria. Each ActionCriteria supports zero-to-many ActionExpressions and zero-to-one ChangeStatus. The ActionExpression is the mechanism used to represent the data management instructions in a BOD instance; specifically, this includes identification of the element(s) and the action to be taken on those elements. Identification of the element may consist of its location in the schema structure and possibly additional key value information if it is necessary to identify a specific element of interest in a BOD instance. ChangeStatus may be used to communicate state change information (e.g. the EffectiveDateTime and ReasonCode for the state change as well as the FromStateCode and ToStateCode).

The ActionExpression has two attributes: actionCode and expressionLanguage. The ActionExpression.actionCode specifies an action to be taken by the receiver of the BOD instance. The ActionExpression.actionCode is restricted to a value domain. The actionCode's value domain includes: Add, Change, Delete, and Replace. Recall that the BOD architecture specifies that a BOD instance must have exactly one Verb instance and may have one-to-many Noun instances. Since an action verb (e.g.,

process) supports multiple ActionCriteria and multiple ActionExpressions, a many-to-many relationship exists between the ActionExpression and the Noun. More specifically, an ActionExpression must be associated with one-to-many Nouns and a Noun may be associated zero-to-many ActionExpressions.

The noun of the BOD instance is used to represent the added entities for the element identified in the add action code, the changed entities for the element identified in the change action code, the deleted entities for the element identified in the delete action code, and the replacement entities for the element identified in the replace action code.

### Action Verb Type (Notify)



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