



***Standards for Technology in Automotive Retail***

**Implementation Guidelines  
Get Labor OperationsDRAFT  
Repository Version Rev4.4.4**



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# Get Labor Operations

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## Get Labor Operations Guidelines

### Overview

This document is a guideline on how to use the Get Labor Operations Business Object Document (BOD). Get Labor Operations has been defined in the context of STAR for the Automotive Retail Industry. The scope of this BOD is to define the Get Labor Operations process for individual consumers who service their automobiles through their OEM's authorized Dealers. The focus is on Dealer and OEM interactions, not third party organizations. NOTE: Although this is the traditional use of the Get Labor Operations, this BOD could be used to send Get Labor Operations information between any two business parties.

Implementation Guidelines provide detailed information regarding the structure and meaning of the Get Labor Operations BOD and corresponds directly to the Get Labor Operations schema. In addition to structure and meaning, the Implementation Guidelines identify various business rules for specific fields/components that due to their nature, i.e. field interdependence, are not possible to express using schema. Please note that although these business rules are not included in the schema, they **MUST** be followed to be STAR Compliant. Therefore, the Get Labor Operations Implementation Guidelines must be used in concert with the Get Labor Operations schema during development and should **NOT** be considered a supplement or substitution to the schema. For more information regarding STAR XML Data Compliance, please review the STAR Data Compliance Guidelines document located on the STAR Web site.

For a copy of the corresponding Get Labor Operations schema, please download the appropriate STAR schema repository from the XML portion of the STAR website ([www.starstandard.org](http://www.starstandard.org)). Prior to downloading the schema, users are encouraged to download the STAR XML Reference/Implementation document also located on the XML portion of the STAR website. This document provides an overview of the STAR BOD development methodology, how to download and read STAR schema, and various frequently asked questions related to the implementation of STAR BODs.

STAR has followed the Open Application Group's Business Object Document methodology to develop the Get Labor Operations BOD. Where possible, STAR has mapped to existing OAGI fields and components. Note however that the STAR Get Labor Operations BOD is unique to the Retail Automotive industry and is not an extension of any existing OAGIS BODs.

For more information on the Open Applications Group's BODs and related documentation please refer to the Open Applications Group's Web site at ([www.openapplications.org](http://www.openapplications.org)).

### Schema Field Usage

STAR uses the same Noun in the schema for all the Noun/Verb combinations of the Get Labor Operations except the Get verb. Please refer to each Noun/Verb combination within this document to understand the requirements for each specific BOD. Although the Noun will always have every field defined for the Noun in the schema, each Noun/Verb combination may not use all of the fields. If a field is not used by a BOD, it will be noted in the business rules.

## Get Labor Operations

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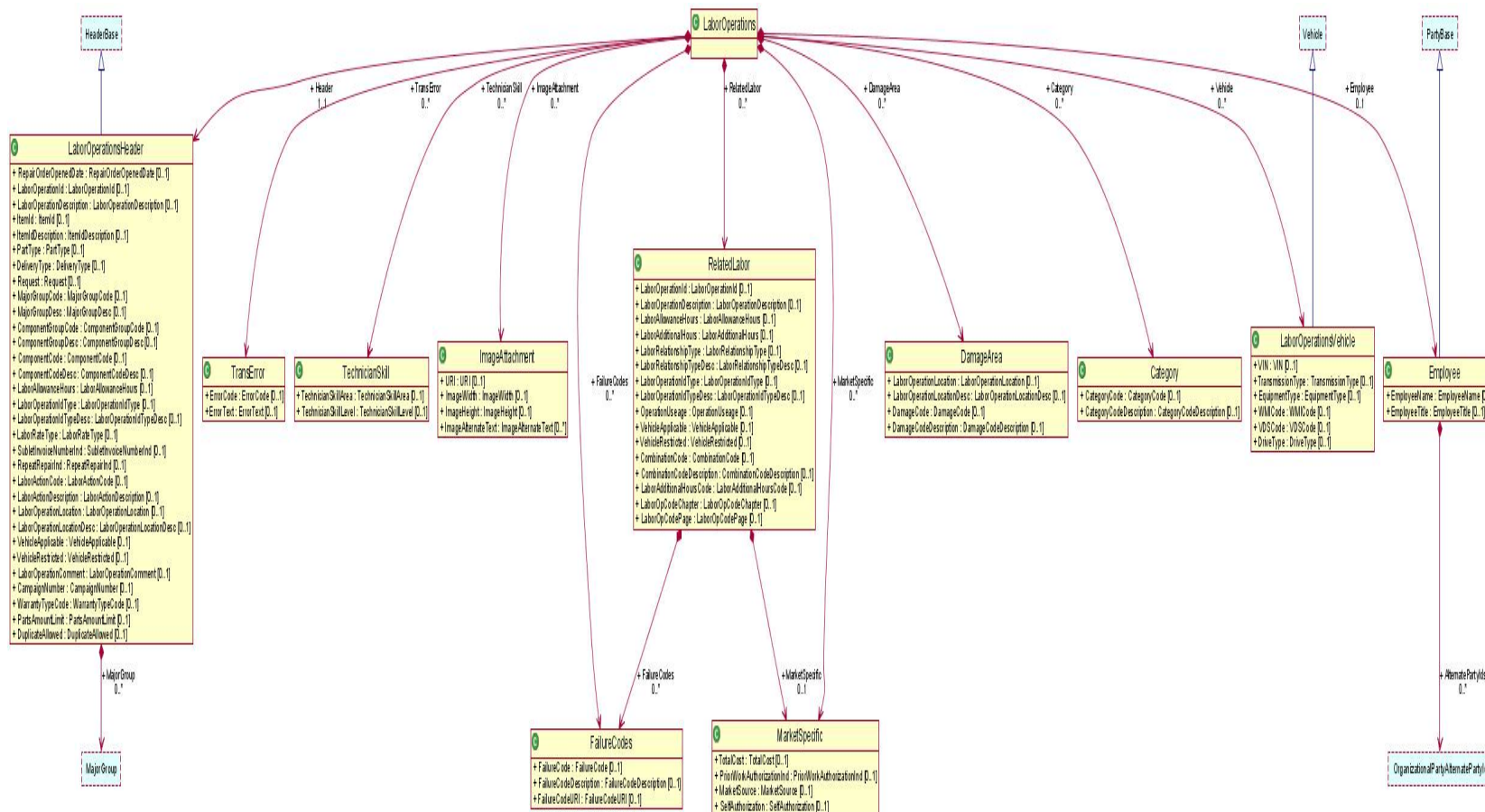
### **Business Scenario**

The Labor Operations Binary Collaboration starts with the request of Labor Operations from the Dealer to the OEM. In response, Labor Operations information is sent from the OEM to the Dealer. This process occurs on demand as is needed. Note: This scenario is an example of how the Labor Operations BOD can be used. Implementations may vary.

# Get Labor Operations

## Relationship Diagram

The following is a representation of the Noun for this BOD. It is a high level overview provided to give an idea of the hierarchy of the Noun's components.



### Schema Document Properties

#### Declared Namespaces

A schema can contain more than one namespace. According to Whatis.com, "In general, a namespace uniquely identifies a set of names so that there is no ambiguity when objects having different origins but the same names are mixed together." An example would be two namespaces that both defined an element called ID, without a namespace it would be impossible to determine which definition was being used.

| Prefix                   | Namespace   |
|--------------------------|---|
| <b>Default namespace</b> | <a href="http://www.starstandards.org/STAR">http://www.starstandards.org/STAR</a>       |
| <b>xml</b>               | <a href="http://www.w3.org/XML/1998/namespace">http://www.w3.org/XML/1998/namespace</a> |
| <b>xsd</b>               | <a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>         |

### Components and Data Types

Global definitions include components, code lists, and data types. Components are used to build the data structures that make up a Noun and it's requirements. Data types specify the type of data that a component's fields may contain. Not all definitions are included in this documentation. Please see either the STAR Code List guideline or Data Type Guidelines for further information.

#### AlternatePartyId

|                 |                  |
|-----------------|------------------|
| <b>Name</b>     | AlternatePartyId |
| <b>Abstract</b> | no               |

#### Data Elements and Components

| Field / Component | Description                    | R/O | Business Rule |
|-------------------|--------------------------------|-----|---------------|
| Id                | Alternate Party Identification | R   |               |

#### XML Instance Representation

```
<...>
  <Id> Id </Id> [1]
</...>
```

#### Amount

Based on OAGI Amount. Simple content with the currency as an attribute

|                 |        |
|-----------------|--------|
| <b>Name</b>     | Amount |
| <b>Abstract</b> | no     |

#### Attributes

| Field / Component | Description | R/O | Business Rule |
|-------------------|-------------|-----|---------------|
| currency          |             | R   |               |

## Get Labor Operations

---

### XML Instance Representation

```
<...  
currency="Currency [1]">  
  xsd:decimal  
</...>
```

### ApplicationArea

These field(s) use this type: **ApplicationArea**.

|                 |                 |
|-----------------|-----------------|
| <b>Name</b>     | ApplicationArea |
| <b>Abstract</b> | no              |

### Data Elements and Components

| Field / Component | Description  | R/O | Business Rule  |
|-------------------|--|-----|--|
| Sender            | Identifies characteristics and control identifiers that relate to the application that created the Business Object Document. The sender area can indicate the logical location of the application and/or database server, the application, and the task that was processing to create the BOD. | R   |  |
| CreationDateTime  | is the date time stamp that the given instance of the Business Object Document was created. This date must not be modified during the life of the Business Object Document.  | R   | DateTime fields must be formatted as XML Schema Datetimes in UTC/GMT format without offsets. Example: 2003-11-05T13:15:30Z |

## Get Labor Operations

| Field / Component | Description   | R/O | Business Rule                           |
|-------------------|---|-----|---|
| Signature         | If the BOD is to be signed the signature element is included, otherwise it is not. Signature supports any digital signature that maybe used by an implementation of OAGIS. The qualifyingAgency identifies the agency that provided the format for the signature. This element supports any digital signature specification that is available today and in the future. This is accomplished by not actually defining the content but by allowing the implementation to specify the digital signature to be used via an external XML Schema namespace declaration. The Signature element is defined to have any content from any other namespace. This allows the user to carry a digital signature in the xml instance of a BOD. The choice of which digital signature to use is left up to the user and their integration needs. | O   | Optional. "qualifyingAgency" attribute. |
| BODId             | The BODId provides a place to carry a Globally Unique Identifier (GUID) that will make each Business Object Document instance uniquely identifiable. This is a critical success factor to enable software developers to use the Globally Unique Identifier (GUID) to build the following services or capabilities: 1. Legally binding transactions, 2. Transaction logging, 3. Exception handling, 4. Re-sending, 5. Reporting, 6. Confirmations, 7. Security.  | O   |   |
| Destination       | Information related to the receiver of the BOD  | R   | See Destination Component.              |

### XML Instance Representation

```
<...>
  <Sender> Sender </Sender> [1]
  <CreationDateTime> DateTime </CreationDateTime> [1]
  <Signature> Signature </Signature> [0..1]
  <BODId> Code </BODId> [0..1]
  <Destination> Destination </Destination> [1]
</...>
```

### BusinessObjectDocument

|             |                               |
|-------------|-------------------------------|
| <b>Name</b> | <b>BusinessObjectDocument</b> |
|-------------|-------------------------------|

## Get Labor Operations

### Abstract

no

### Attributes

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| revision          | This should contain the STAR repository version in the following recommended format. 4.2.1_M20080416. Where the first part indicates the version of the STAR repository and anything after the _ indicates the Milestone build that is being used. If referring to an official published version then only the STAR Repository version is required.                               | O   |               |
| release           | Indicates the OAGIS release that this BOD belongs.  | O   |               |
| environment       | Indicates whether this BOD is being sent in a "Test" or a "Production" mode. If the BOD is being sent in a test mode, it's information should not affect the business operation. However, if the BOD is sent in "Production" mode it is assumed that all test has been complete and the contents of the BOD are to affect the operation of the receiving business application(s). | O   |               |
| lang              | Indicates the language that the contents of the BOD is in unless otherwise stated.  | O   |               |
| bodVersion        | Deprecated as of STAR 4.2.2. It is recommended to use the revision attribute to identify the repository and the noun. May be removed in a new major version of the STAR repository. Indicates the version number of the BOD.  | O   |               |

### Data Elements and Components



## Get Labor Operations

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| ApplicationArea   | Provides the information that an application may need to know in order to communicate in an integration of two or more business applications. The ApplicationArea is used at the applications layer of communication. While the integration frameworks web services and middleware provide the communication layer that OAGIS operates on top of. Provides the information that an application may need to know in order to communicate in an integration of two or more business applications. The ApplicationArea is used at the applications layer of communication. While the integration frameworks web services and middleware provide the communication layer that OAGIS operates on top of. | R   |               |

### XML Instance Representation

```
<...  
revision="Text [0..1]"  
release="8.1-Lite [0..1]"  
environment="Text [0..1]"  
lang="Language [0..1]"  
bodVersion="Text [0..1]">  
  <ApplicationArea> ... </ApplicationArea> [1]  
</...>
```

### Category

These field(s) use this type: **Category**.

| Name     | Category |
|----------|----------|
| Abstract | no       |

### Data Elements and Components

| Field / Component       | Description   | R/O | Business Rule |
|-------------------------|---|-----|---------------|
| CategoryCode            | Manufacturer assigned code for categorizing labor - maps a dealer specific labor op code with a manufacturer standard labor op code | O   |               |
| CategoryCodeDescription | Description of the manufacturer assigned category code  | O   |               |

## Get Labor Operations

---

### XML Instance Representation

```
<...>
  <CategoryCode> CategoryCode </CategoryCode> [0..1]
  <CategoryCodeDescription> CategoryCodeDescription </CategoryCodeDescription> [0..1]
</...>
```

### CategoryCodeDescription

These field(s) use this type: **CategoryCodeDescription**.

Description of the manufacturer assigned category code

| Name     | CategoryCodeDescription |
|----------|-------------------------|
| Abstract | no                      |

### XML Instance Representation

```
<...
language="Language [0..1]">
  Description
</...>
```

### CombinationCodeDescription

These field(s) use this type: **CombinationCodeDescription**.

Textual description of the code that represents additional time needed for removing/installing optional equipment that some vehicle models have

| Name     | CombinationCodeDescription |
|----------|----------------------------|
| Abstract | no                         |

### XML Instance Representation

```
<...
language="Language [0..1]">
  Description
</...>
```

## Get Labor Operations

### ComponentCodeDesc

These field(s) use this type: ComponentCodeDesc,ComponentCodeDesc.

Description of the Component Code

|                 |                   |
|-----------------|-------------------|
| <b>Name</b>     | ComponentCodeDesc |
| <b>Abstract</b> | no                |

### XML Instance Representation

```
<...  
  language="Language [0..1]">  
    Description  
</...>
```

### ComponentCodeGroup

These field(s) use this type: ComponentCodeGroup.

|                 |                    |
|-----------------|--------------------|
| <b>Name</b>     | ComponentCodeGroup |
| <b>Abstract</b> | no                 |

### Data Elements and Components

| Field / Component           | Description  | R/O | Business Rule |
|-----------------------------|--|-----|---------------|
| ComponentCode               | Code identifying a labor operation's component code              | O   |               |
| ComponentCodeDesc           | Description of the Component Code for labor operation            | O   |               |
| ImageAttachment             | Image Attachment   | O   |               |
| LaborOperationLocationGroup | Represents the Labor Operation Component Code Group sub grouping | O   |               |

### XML Instance Representation

```
<...>
```

## Get Labor Operations

```
<ComponentCode> ComponentCode </ComponentCode> [0..1]
<ComponentCodeDesc> ComponentCodeDesc </ComponentCodeDesc> [0..1]
<ImageAttachment> ImageAttachment </ImageAttachment> [0..*]
<LaborOperationLocationGroup> LaborOperationLocationGroup </LaborOperationLocationGroup> [0..1]
</...>
```

### ComponentGroup

These field(s) use this type: **ComponenteGroup.**

|                 |                       |
|-----------------|-----------------------|
| <b>Name</b>     | <b>ComponentGroup</b> |
| <b>Abstract</b> | <b>no</b>             |

#### Data Elements and Components

| Field / Component  | Description   | R/O | Business Rule |
|--------------------|---|-----|---------------|
| ComponentGroupCode | Code identifying a labor operation's component group        | O   |               |
| ComponentGroupDesc | Description of the Component Group for labor operation      | O   |               |
| ImageAttachment    | Image Attachment  | O   |               |
| ComponentCodeGroup | Represents the Labor Operation Component Group sub grouping | O   |               |

### XML Instance Representation

```
<...>
  <ComponentGroupCode> ComponentGroupCode </ComponentGroupCode> [0..1]
  <ComponentGroupDesc> ComponentGroupDesc </ComponentGroupDesc> [0..1]
  <ImageAttachment> ImageAttachment </ImageAttachment> [0..*]
  <ComponentCodeGroup> ComponentCodeGroup </ComponentCodeGroup> [0..1]
</...>
```

### ComponentGroupDesc

These field(s) use this type: **ComponentGroupDesc,ComponentGroupDesc.**

Description of the Component Group

## Get Labor Operations

|                 |                    |
|-----------------|--------------------|
| <b>Name</b>     | ComponentGroupDesc |
| <b>Abstract</b> | no                 |

### XML Instance Representation

```
<...  
language="Language [0..1]">  
  Description  
</...>
```

## ConfirmableVerb

|                 |                 |
|-----------------|-----------------|
| <b>Name</b>     | ConfirmableVerb |
| <b>Abstract</b> | no              |

### Attributes

| Field / Component | Description | R/O | Business Rule |
|-------------------|-------------|-----|---------------|
| confirm           |             | R   |               |

### Data Elements and Components

| Field / Component | Description | R/O | Business Rule |
|-------------------|-------------|-----|---------------|
| Verb              |             | R   |               |

### XML Instance Representation

```
<...  
confirm="ConfirmType [0..1]"/>
```

## Count

Simple quantity type with no attributes

## Get Labor Operations

|                 |              |
|-----------------|--------------|
| <b>Name</b>     | <b>Count</b> |
| <b>Abstract</b> | <b>no</b>    |

### XML Instance Representation

```
<...>
  xsd:integer
</...>
```

## DamageArea

These field(s) use this type: DamageArea.

|                 |                   |
|-----------------|-------------------|
| <b>Name</b>     | <b>DamageArea</b> |
| <b>Abstract</b> | <b>no</b>         |

### Data Elements and Components

| Field / Component          | Description  | R/O | Business Rule |
|----------------------------|--|-----|---------------|
| LaborOperationLocation     | Code Indicating Position/Location on Vehicle where labor was performed | O   |               |
| LaborOperationLocationDesc | LaborOperationLocationDesc   | O   |               |
| DamageCode                 | Type of damage associated with labor operation                         | O   |               |
| DamageCodeDescription      | Description of type of damage associated with labor operation          | O   |               |

### XML Instance Representation

```
<...>
  <LaborOperationLocation> LaborOperationLocation </LaborOperationLocation> [0..1]
  <LaborOperationLocationDesc> LaborOperationLocationDesc </LaborOperationLocationDesc> [0..1]
  <DamageCode> DamageCode </DamageCode> [0..1]
  <DamageCodeDescription> DamageCodeDescription </DamageCodeDescription> [0..1]
</...>
```

## Get Labor Operations

---

### DamageCodeDescription

These field(s) use this type: **DamageCodeDescription**.

Description of type of damage associated with labor operation

|                 |                              |
|-----------------|------------------------------|
| <b>Name</b>     | <b>DamageCodeDescription</b> |
| <b>Abstract</b> | <b>no</b>                    |

### XML Instance Representation

```
<...  
  language="Language [0..1]">  
    Description  
</...>
```

### Description

Description

|                 |                    |
|-----------------|--------------------|
| <b>Name</b>     | <b>Description</b> |
| <b>Abstract</b> | <b>no</b>          |

### Attributes

| Field / Component | Description  | R/O | Business Rule |
|-------------------|--|-----|---------------|
| language          | The ISO language code that the description is written. | O   |               |

### XML Instance Representation

```
<...  
  language="Language [0..1]">  
    xsd:string  
</...>
```

### Destination

## Get Labor Operations

These field(s) use this type: **Destination**.

|                 |                    |
|-----------------|--------------------|
| <b>Name</b>     | <b>Destination</b> |
| <b>Abstract</b> | <b>no</b>          |

### Data Elements and Components

| Field / Component       | Description  | R/O | Business Rule   |
|-------------------------|--|-----|---|
| DestinationNameCode     | Code for destination of file (i.e.Short Manufacturer or DSP code)  | O   | Must use a valid code from the ShortMfg/RSP list on <a href="http://www.starstandards.org">http://www.starstandards.org</a> |
| DestinationURI          | Physical address of the destination  | O   |   |
| DestinationSoftwareCode | Additional information about the destination application   | O   |   |
| DestinationSoftware     | For which software destination file is intended (may not be known).  | O   |   |
| DealerNumber            | Target Dealer Code receiving information   | O   |   |
| StoreNumber             | Dealer code store number (DMS assigned)  | O   |   |
| AreaNumber              | Dealer code area number (DMS vendor assigned)  | O   |   |
| DealerCountry           | Target Dealer country location   | O   |   |
| PartyId                 | The Party Id field uniquely identifies the Receiver of the message. This element can be used for parties within the Automotive Community as well as external parties. Party Id is not intended as a replacement for the Dealer Number. Suggested formats for OEMs or other large institutions include: DUNs Number, ShortMfgCode + DUNs, or ShortMfgCode. The suggested format for Dealers is: ShortMfgCode+Dealer Number. | O   |   |
| LocationId              | The Location Id field uniquely identifies the location of the Receiver of a O message. This Id may be aligned with a physical address or data centers. This field provides an additional level of granularity beyond the usage of the Party Id for additional routing and deliver of data.   |     |   |
| ServiceId               | The Service Id field identifies the particular service to which a message is being sent, e.g., an inventory service.   | O   |   |



## Get Labor Operations

### XML Instance Representation

```
<...>
  <DestinationNameCode> ShortMfg </DestinationNameCode> [0..1]
  <DestinationURI> URI </DestinationURI> [0..1]
  <DestinationSoftwareCode> Text </DestinationSoftwareCode> [0..1]
  <DestinationSoftware> Text </DestinationSoftware> [0..1]
  <DealerNumber> PartyId </DealerNumber> [0..1]
  <StoreNumber> Text </StoreNumber> [0..1]
  <AreaNumber> Text </AreaNumber> [0..1]
  <DealerCountry> Country </DealerCountry> [0..1]
  <PartyId> PartyId </PartyId> [0..1]
  <LocationId> LocationId </LocationId> [0..1]
  <ServiceId> ServiceId </ServiceId> [0..1]
</...>
```

### Employee

These field(s) use this type: **Employee**.

|                 |                 |
|-----------------|-----------------|
| <b>Name</b>     | <b>Employee</b> |
| <b>Abstract</b> | <b>no</b>       |

### Data Elements and Components

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| PartyId           | Party Identification Number                                   | O   |               |
| AlternatePartyIds | Social security number or other legal document Id of employee | O   |               |
| EmployeeName      | Name of employee  | O   |               |
| EmployeeTitle     | Employee role (e.g. technican, service advisor, etc.)         | O   |               |

### XML Instance Representation

```
<...>
  <PartyId> PartyId </PartyId> [0..1]
</...>
```

## Get Labor Operations

```
<AlternatePartyIds> OrganizationalPartyAlternatePartyId </AlternatePartyIds> [0..*]  
<EmployeeName> EmployeeName </EmployeeName> [0..1]  
<EmployeeTitle> EmployeeTitle </EmployeeTitle> [0..1]  
</...>
```

### ExpressionCriteria

|          |                    |
|----------|--------------------|
| Name     | ExpressionCriteria |
| Abstract | no                 |

### Attributes

| Field / Component  | Description | R/O | Business Rule |
|--------------------|-------------|-----|---------------|
| expressionLanguage |             | O   |               |

### Data Elements and Components

| Field / Component | Description  | R/O | Business Rule |
|-------------------|--|-----|---------------|
| SelectExpression  | Allows the 1-n number of selection expressions for the information to be R returned. |     |               |

### XML Instance Representation

```
<...  
expressionLanguage="ExpressionLanguage [0..1]">  
  <SelectExpression> Expression </SelectExpression> [1..*]  
</...>
```

### FailureCodeDescription

These field(s) use this type: **FailureCodeDescription**.

Description of trouble failure code

|      |                        |
|------|------------------------|
| Name | FailureCodeDescription |
|------|------------------------|

## Get Labor Operations

**Abstract** no

### XML Instance Representation

```
<...  
language="Language [0..1]">  
  Description  
</...>
```

### FailureCodes

These field(s) use this type: FailureCodes,FailureCodes.

**Name** FailureCodes

**Abstract** no

### Data Elements and Components

| Field / Component      | Description  | R/O | Business Rule |
|------------------------|--|-----|---------------|
| FailureCode            | Manufacturer-assigned code to describe the reason that a fault or symptom occurred | O   |               |
| FailureCodeDescription | Description of trouble failure code  | O   |               |
| FailureCodeURI         | URL address for graphical image of failure code                                    | O   |               |

### XML Instance Representation

```
<...>  
  <FailureCode> FailureCode </FailureCode> [0..1]  
  <FailureCodeDescription> FailureCodeDescription </FailureCodeDescription> [0..1]  
  <FailureCodeURI> FailureCodeURI </FailureCodeURI> [0..1]  
</...>
```

### Get

These field(s) use this type: Get.

## Get Labor Operations

|                 |            |
|-----------------|------------|
| <b>Name</b>     | <b>Get</b> |
| <b>Abstract</b> | <b>no</b>  |

### Attributes

| Field / Component | Description | R/O | Business Rule |
|-------------------|-------------|-----|---------------|
| show              |             | R   |               |

### Data Elements and Components

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| Verb              |   | R   |               |
| ReturnCriteria    | ReturnCriteria identifies the content that is to be returned, given query success. In essence, the expression here has the effect of filtering the part(s) of the found element(s) that are to be returned. ReturnCriteria plays no role in the query itself. That is handled as a match against the request BOD's noun exemplar. ReturnCriteria allows the sender of the BOD to indicate which information (down to the field level) is requested to be returned, given that the query has been successful in matching the exemplar to existing nouns. That is, in a GetListPurchaseOrder, if one or more PurchaseOrders with a TotalPrice = \$1M were found, ReturnCriteria tells the BOD recipient which parts of the PurchaseOrder should be populated with content when the response (ShowPurchaseOrder) is formulated. The expressionLanguage indicates the expression language being used. In order for the ReturnCriteria expression to be evaluable by the BOD recipient, the recipient must be capable of processing and interpreting the specified expression language. XPath is the default, due to its ubiquity among XML processing technologies. | R   |               |

### XML Instance Representation

```
<...  
confirm="ConfirmType [0..1]"  
show="Always [1]">  
  <ReturnCriteria> ... </ReturnCriteria> [1]
```

## Get Labor Operations

</...>

### GetLaborOperations

These field(s) use this type: GetLaborOperations.

|                 |                    |
|-----------------|--------------------|
| <b>Name</b>     | GetLaborOperations |
| <b>Abstract</b> | no                 |

### Data Elements and Components

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| ApplicationArea   | Provides the information that an application may need to know in order to communicate in an integration of two or more business applications. The ApplicationArea is used at the applications layer of communication. While the integration frameworks web services and middleware provide the communication layer that OAGIS operates on top of. Provides the information that an application may need to know in order to communicate in an integration of two or more business applications. The ApplicationArea is used at the applications layer of communication. While the integration frameworks web services and middleware provide the communication layer that OAGIS operates on top of. | R   |               |
| DataArea          |   | R   |               |

### XML Instance Representation

```
<...  
revision="Text [0..1]"  
release="8.1-Lite [0..1]"  
environment="Text [0..1]"  
lang="Language [0..1]"  
bodVersion="Text [0..1]">  
  <ApplicationArea> ... </ApplicationArea> [1]  
  <DataArea> GetLaborOperationsDataArea </DataArea> [1]  
</...>
```

# Get Labor Operations

---

## GetLaborOperationsDataArea

These field(s) use this type: DataArea.

|          |                            |
|----------|----------------------------|
| Name     | GetLaborOperationsDataArea |
| Abstract | no                         |

### Data Elements and Components

## Get Labor Operations

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| Get               | <p>The Get verb is to communicate to a business software component a request for an existing piece of information to be returned. The Get may be paired with most of the nouns defined in the OAGIS specification. The response to this request is the Show verb. The behavior of a BOD with a Get verb is quite predictable across most of the nouns it may be paired with. The Get is designed to retrieve a single piece of information by using that information's primary retrieval field, or key field. The Get verb is not used to request several documents at once. The GetList verb is designed to achieve that purpose and will be covered in more detail later.</p> <p>Selection Criteria: There are two types of selection capabilities for most BOD's that use the Get verb. 1) The first selection capability is called Field-Based Selection. Within a Get-based Business Object Document, the first Data Type that occurs in a specific BOD structure is commonly used to provide the Field-Based Selection criteria. This is always defined within the specific BOD and is commonly the required fields for that specific Data type. The Field-Based Selection enables the requester to provide a value or values (in the case of multiple required Field Identifiers), in the required fields. Then the responding component uses those values to find and return the requested information to the originating business software component. 2) The second type of selection capability for Get-based BODs is called Data Type Selection. Data Type selection enables the requester to identify which Data Types within the noun are requested to be returned in the response. The use of this capability is described for each corresponding Data Type for all BODs that use the Get verb. The Data Types are identified for retrieval within the Get instance of a BOD by including the name of the Data Type in the meta data but without any Field Identifiers or Segments identified within the Data Type. This will signify to the responding application that all of the data that corresponds to that Data Type is to be included in the response. If the Data Type is not requested, the Data Type identifier is not included in the Get request and this will signify to the responding component that the Data Type is not to be returned.</p> | R   |               |
| LaborOperations   |   | R   |               |

### XML Instance Representation

```
<...>
  <Get> ... </Get> [1]
```

## Get Labor Operations

```
<LaborOperations> ... </LaborOperations> [1..*]  
</...>
```

### HeaderBase

Used on all STAR BODs

|                 |            |
|-----------------|------------|
| <b>Name</b>     | HeaderBase |
| <b>Abstract</b> | no         |

### Data Elements and Components

| Field / Component     | Description  | R/O | Business Rule   |
|-----------------------|--|-----|---|
| DocumentDateTime      | Is the date and time the document was last created. This is not the date and time that the BOD message instance was created. | O   | Date/Time fields must be formatted as XML Schema DateTimes in UTC/GMT format without offsets. Example: 2003-11-05T13:15:30Z |
| SecondaryPassword     | Secondary password used to validate access to the dealer information   | O   | (INACTIVE)  |
| SecondaryDealerNumber | Identifies secondary dealer number if different than primary "Dealer Number"   | O   | (INACTIVE)  |

### XML Instance Representation

```
<...>  
  <DocumentDateTime> DocumentDateTime </DocumentDateTime> [0..1]  
  <SecondaryPassword> SecondaryPassword </SecondaryPassword> [0..1]  
  <SecondaryDealerNumber> SecondaryDealerNumber </SecondaryDealerNumber> [0..1]  
</...>
```

### Hours

Hours

|             |       |
|-------------|-------|
| <b>Name</b> | Hours |
|-------------|-------|



## Get Labor Operations

|                 |    |
|-----------------|----|
| <b>Abstract</b> | no |
|-----------------|----|

### XML Instance Representation

```
<...>
  xsd:decimal
</...>
```

### Id

These field(s) use this type: **Id,AuthorizationId.**

Party Identification number

|                 |    |
|-----------------|----|
| <b>Name</b>     | Id |
| <b>Abstract</b> | no |

### XML Instance Representation

```
<...>
  xsd:string
</...>
```

### ImageAttachment

These field(s) use this type: **ImageAttachment,ImageAttachment,ImageAttachment,ImageAttachment,ImageAttachment.**

represents information about the location of on-line vehicle photos.

|                 |                 |
|-----------------|-----------------|
| <b>Name</b>     | ImageAttachment |
| <b>Abstract</b> | no              |

### Data Elements and Components

| Field / Component | Description                     | R/O | Business Rule |
|-------------------|---------------------------------|-----|---------------|
| URI               | URI                             | O   |               |
| ImageWidth        | Image tag width. Example: "100" | O   |               |

## Get Labor Operations

| Field / Component  | Description  | R/O | Business Rule |
|--------------------|--|-----|---------------|
| ImageHeight        | Image tag height Example: "120"                    | O   |               |
| ImageAlternateText | Image alternate text. Example: "1997 Honda Accord" | O   |               |

### XML Instance Representation

```
<...>
  <URI> URI </URI> [0..1]
  <ImageWidth> ImageWidth </ImageWidth> [0..1]
  <ImageHeight> ImageHeight </ImageHeight> [0..1]
  <ImageAlternateText> ImageAlternateText </ImageAlternateText> [0..*]
</...>
```

### ImageHeight

These field(s) use this type: **ImageHeight**.

Image tag height Example: "120"

|                 |             |
|-----------------|-------------|
| <b>Name</b>     | ImageHeight |
| <b>Abstract</b> | no          |

### XML Instance Representation

```
<...>
  Count
</...>
```

### ImageWidth

These field(s) use this type: **ImageWidth**.

Image tag width. Example: "100"

|                 |            |
|-----------------|------------|
| <b>Name</b>     | ImageWidth |
| <b>Abstract</b> | no         |

## Get Labor Operations

---

### XML Instance Representation

```
<...>
  Count
</...>
```

### ItemId

These field(s) use this type: **ItemId**.

Item part number

| Name     | ItemId |
|----------|--------|
| Abstract | no     |

### XML Instance Representation

```
<...>
  Id
</...>
```

### ItemIdDescription

These field(s) use this type: **ItemIdDescription**.

Item part number detail description

| Name     | ItemIdDescription |
|----------|-------------------|
| Abstract | no                |

### XML Instance Representation

```
<...
language="Language [0..1]">
  Description
</...>
```

### LaborActionDescription

## Get Labor Operations

---

These field(s) use this type: **LaborActionDescription**.

Labor operation service action description.(e.g. Instructions as to how and when to use this labor operation)

|                 |                               |
|-----------------|-------------------------------|
| <b>Name</b>     | <b>LaborActionDescription</b> |
| <b>Abstract</b> | <b>no</b>                     |

### XML Instance Representation

```
<...  
language="Language [0..1]">  
  Description  
</...>
```

## LaborAdditionalHours

These field(s) use this type: **LaborAdditionalHours**.

Additional labor hours above flat rate allowance

|                 |                             |
|-----------------|-----------------------------|
| <b>Name</b>     | <b>LaborAdditionalHours</b> |
| <b>Abstract</b> | <b>no</b>                   |

### XML Instance Representation

```
<...>  
  Hours  
</...>
```

## LaborAllowanceHours

These field(s) use this type: **LaborAllowanceHours,LaborAllowanceHours**.

Flat rate labor hour allowance for this operation

|                 |                            |
|-----------------|----------------------------|
| <b>Name</b>     | <b>LaborAllowanceHours</b> |
| <b>Abstract</b> | <b>no</b>                  |

## Get Labor Operations

---

### XML Instance Representation

```
<...>
  Hours
</...>
```

### LaborOperationDescription

These field(s) use this type: LaborOperationDescription,LaborOperationDescription.

Description of a particular operation code

|                 |                           |
|-----------------|---------------------------|
| <b>Name</b>     | LaborOperationDescription |
| <b>Abstract</b> | no                        |

### XML Instance Representation

```
<...
language="Language [0..1]">
  Description
</...>
```

### LaborOperationId

These field(s) use this type: LaborOperationId,LaborOperationId.

Currently assigned code for this operation (preferably manufacturer code)

|                 |                  |
|-----------------|------------------|
| <b>Name</b>     | LaborOperationId |
| <b>Abstract</b> | no               |

### XML Instance Representation

```
<...>
  Id
</...>
```

### LaborOperationIdTypeDesc

## Get Labor Operations

These field(s) use this type: LaborOperationIdTypeDesc,LaborOperationIdTypeDesc.

Labor operation code type description.

|                 |                          |
|-----------------|--------------------------|
| <b>Name</b>     | LaborOperationIdTypeDesc |
| <b>Abstract</b> | no                       |

### XML Instance Representation

```
<...  
language="Language [0..1]">  
  Description  
</...>
```

## LaborOperationLocationGroup

These field(s) use this type: LaborOperationLocationGroup.

|                 |                             |
|-----------------|-----------------------------|
| <b>Name</b>     | LaborOperationLocationGroup |
| <b>Abstract</b> | no                          |

### Data Elements and Components

| Field / Component          | Description   | R/O | Business Rule |
|----------------------------|---|-----|---------------|
| LaborOperationLocation     | Code identifying a labor operation's service locations. It is the location on the vehicle where the service will be performed   | O   |               |
| LaborOperationLocationDesc | The Labor Operation Service Location Description is a textual description of the Labor Operation Service Location code identify | O   |               |
| ImageAttachment            | Image Attachment  | O   |               |
| VehicleApplicable          | Indicates whether this labor operation applies to a vehicle as built or equipped.   | O   |               |
| VehicleRestricted          | Indicates whether a labor operation is restricted for a vehicle   | O   |               |
| FuseCavityCode             | Alternate alpha representation of the LaborOperationLocation when the fuse cavity part is designated (stamped) by a letter      | O   |               |

## Get Labor Operations

### XML Instance Representation

```
<...>
  <LaborOperationLocation> LaborOperationLocation </LaborOperationLocation> [0..1]
  <LaborOperationLocationDesc> LaborOperationLocationDesc </LaborOperationLocationDesc> [0..1]
  <ImageAttachment> ImageAttachment </ImageAttachment> [0..*]
  <VehicleApplicable> VehicleApplicable </VehicleApplicable> [0..1]
  <VehicleRestricted> VehicleRestricted </VehicleRestricted> [0..1]
  <FuseCavityCode> FuseCavityCode </FuseCavityCode> [0..1]
</...>
```

### LaborOperations

These field(s) use this type: **LaborOperations**.

STAR Version 3.0 - Draft

STAR Version 2.1, STAR approved 04/20/2005; effective date 07/04/2005

STAR Version 2.0, STAR approved 05/07/2004; effective date 07/04/2004

STAR Version 1.0, STAR approved 10/4/2002; OAGI approved 10/17/2002; effective date 1/01/2003

|                 |                        |
|-----------------|------------------------|
| <b>Name</b>     | <b>LaborOperations</b> |
| <b>Abstract</b> | <b>no</b>              |

### Data Elements and Components

| Field / Component | Description  | R/O | Business Rule |
|-------------------|--|-----|---------------|
| Header            |  | R   |               |
| Vehicle           | Vehicle information related to Labor Operation                                   | O   |               |
| Employee          | Employee related to Labor Operations request                                     | O   |               |
| TechnicianSkill   | Technician skills required for labor operation                                   | O   |               |
| ImageAttachment   | Information about the location of on-line information related to Labor Operation | O   |               |

## Get Labor Operations

| Field / Component | Description  | R/O | Business Rule |
|-------------------|--|-----|---------------|
| RelatedLabor      | Information for related Labor Operation and relationship to main labor operation             | O   |               |
| MarketSpecific    | Market information related to labor operation (i.e., material and cost)                      | O   |               |
| FailureCodes      | Diagnostic failure codes related to labor operation  | O   |               |
| DamageArea        | Damage codes for position and location on the vehicle where the labor operation is performed | O   |               |
| Category          | Information for categorizing labor operations  | O   |               |
| TransError        | Errors related to the search criteria on the Get and GetList requests                        | O   |               |

### XML Instance Representation

```
<...>
  <Header> ... </Header> [1]
  <Vehicle> LaborOperationsVehicle </Vehicle> [0..*]
  <Employee> Employee </Employee> [0..1]
  <TechnicianSkill> TechnicianSkill </TechnicianSkill> [0..*]
  <ImageAttachment> ImageAttachment </ImageAttachment> [0..*]
  <RelatedLabor> RelatedLabor </RelatedLabor> [0..*]
  <MarketSpecific> MarketSpecific </MarketSpecific> [0..*]
  <FailureCodes> FailureCodes </FailureCodes> [0..*]
  <DamageArea> DamageArea </DamageArea> [0..*]
  <Category> Category </Category> [0..*]
  <TransError> TransError </TransError> [0..*]
</...>
```

### LaborOperationsHeader

These field(s) use this type: **Header**.

|                 |                       |
|-----------------|-----------------------|
| <b>Name</b>     | LaborOperationsHeader |
| <b>Abstract</b> | no                    |



## Get Labor Operations

### Data Elements and Components

| Field / Component         | Description  | R/O | Business Rule  |
|---------------------------|--|-----|--|
| DocumentDateTime          | Is the date and time the document was last created. This is not the date and time that the BOD message instance was created. | O   | DateTime fields must be formatted as XML Schema DateTimes in UTC/GMT format without offsets. Example: 2003-11-05T13:15:30Z |
| SecondaryPassword         | Secondary password used to validate access to the dealer information   | O   | (INACTIVE)   |
| SecondaryDealerNumber     | Identifies secondary dealer number if different than primary "Dealer Number"   | O   | (INACTIVE)   |
| RepairOrderOpenedDate     | System date when Repair Order was opened   | O   |  |
| LaborOperationId          | Currently assigned code for this operation (preferably manufacturer code)  | O   |  |
| LaborOperationDescription | Description of a particular operation code   | O   |  |
| ItemId                    | Part number identifier - Part number, unless part type designates a manufacturer code  | O   |  |
| ItemIdDescription         | Part number detail description   | O   |  |
| PartType                  | Specifies whether the parts are indicated by manufacturer part code or Part Number   | O   |  |
| DeliveryType              | Transaction request delivery type  | O   |  |
| Request                   | Type of Batch Request  | O   |  |
| MajorGroupCode            | Code identifying a labor operation's major group.  | O   |  |
| MajorGroupDesc            | Description of the Major Group for labor operation   | O   |  |
| ComponentGroupCode        | Code identifying a labor operation's component group.  | O   |  |
| ComponentGroupDesc        | Description of the Component Group for labor operation   | O   |  |
| ComponentCode             | Code identifying a labor operation's component code.   | O   |  |
| ComponentCodeDesc         | Description of the Component Code for labor operation  | O   |  |

## Get Labor Operations

| Field / Component          | Description  | R/O | Business Rule |
|----------------------------|--|-----|---------------|
| LaborAllowanceHours        | Flat rate labor hour allowance for this operation  | O   |               |
| LaborOperationIdType       | Labor operation category code  | O   |               |
| LaborOperationIdTypeDesc   | Labor operation code type description. Possible Values: Customer Satisfaction, Driveability, Optional, safety, Related, Primary, Rental/Loaner, Towing, Sublet, and Dealer Prep. | O   |               |
| LaborRateType              | Designates labor rate type   | O   |               |
| SubletInvoiceNumberInd     | Indicates whether an invoice number is required when the labor operation was sublet (e.g. towing)  | O   |               |
| RepeatRepairInd            | Identifies repair as having been performed previously on the vehicle   | O   |               |
| LaborActionCode            | Manufacturer-assigned code to describe type of labor performed (i.e., Repair, Replace, Adjust)   | O   |               |
| LaborActionDescription     | Labor operation service action description.(e.g. Instructions as to how and when to use this labor operation)  | O   |               |
| LaborOperationLocation     | Code identifying a labor operation's service locations. It is the location on the vehicle where the service will be performed.   | O   |               |
| LaborOperationLocationDesc | The Labor Operation Service Location Description is a textual description of the Labor Operation Service Location code identify  | O   |               |
| VehicleApplicable          | Indicates whether this labor operation applies to a vehicle as built or equipped.  | O   |               |
| VehicleRestricted          | Indicates whether a labor operation is restricted for a vehicle.   | O   |               |
| LaborOperationComment      | Information for the dealer regarding usage of the labor operation.   | O   |               |
| CampaignNumber             | Manufacturer assigned recall/campaign number   | O   |               |
| WarrantyTypeCode           | A code used to classify the labor operation into coverage categories   | O   |               |
| PartsAmountLimit           | The parts dollar limit for the table entry   | O   |               |
| DuplicateAllowed           | A code to indicate whether or not duplicate claims will be accepted for payment without authorization  | O   |               |

## Get Labor Operations

| Field / Component | Description                                | R/O | Business Rule |
|-------------------|--|-----|---------------|
| MajorGroup        | Represents the Labor Operation Major Group | O   |               |

### XML Instance Representation

```

<...>
  <DocumentDateTime> DocumentDateTime </DocumentDateTime> [0..1]
  <SecondaryPassword> SecondaryPassword </SecondaryPassword> [0..1]
  <SecondaryDealerNumber> SecondaryDealerNumber </SecondaryDealerNumber> [0..1]
  <RepairOrderOpenedDate> RepairOrderOpenedDate </RepairOrderOpenedDate> [0..1]
  <LaborOperationId> LaborOperationId </LaborOperationId> [0..1]
  <LaborOperationDescription> LaborOperationDescription </LaborOperationDescription> [0..1]
  <ItemId> ItemId </ItemId> [0..1]
  <ItemIdDescription> ItemIdDescription </ItemIdDescription> [0..1]
  <PartType> PartType </PartType> [0..1]
  <DeliveryType> DeliveryType </DeliveryType> [0..1]
  <Request> Request </Request> [0..1]
  <MajorGroupCode> MajorGroupCode </MajorGroupCode> [0..1]
  <MajorGroupDesc> MajorGroupDesc </MajorGroupDesc> [0..1]
  <ComponentGroupCode> ComponentGroupCode </ComponentGroupCode> [0..1]
  <ComponentGroupDesc> ComponentGroupDesc </ComponentGroupDesc> [0..1]
  <ComponentCode> ComponentCode </ComponentCode> [0..1]
  <ComponentCodeDesc> ComponentCodeDesc </ComponentCodeDesc> [0..1]
  <LaborAllowanceHours> LaborAllowanceHours </LaborAllowanceHours> [0..1]
  <LaborOperationIdType> LaborOperationIdType </LaborOperationIdType> [0..1]
  <LaborOperationIdTypeDesc> LaborOperationIdTypeDesc </LaborOperationIdTypeDesc> [0..1]
  <LaborRateType> LaborRateType </LaborRateType> [0..1]
  <SubletInvoiceNumberInd> SubletInvoiceNumberInd </SubletInvoiceNumberInd> [0..1]
  <RepeatRepairInd> RepeatRepairInd </RepeatRepairInd> [0..1]
  <LaborActionCode> LaborActionCode </LaborActionCode> [0..1]
  <LaborActionDescription> LaborActionDescription </LaborActionDescription> [0..1]
  <LaborOperationLocation> LaborOperationLocation </LaborOperationLocation> [0..1]
  <LaborOperationLocationDesc> LaborOperationLocationDesc </LaborOperationLocationDesc> [0..1]
  <VehicleApplicable> VehicleApplicable </VehicleApplicable> [0..1]
  <VehicleRestricted> VehicleRestricted </VehicleRestricted> [0..1]
  <LaborOperationComment> LaborOperationComment </LaborOperationComment> [0..1]
  <CampaignNumber> CampaignNumber </CampaignNumber> [0..1]

```

## Get Labor Operations

```
<WarrantyTypeCode> WarrantyTypeCode </WarrantyTypeCode> [0..1]
<PartsAmountLimit> PartsAmountLimit </PartsAmountLimit> [0..1]
<DuplicateAllowed> DuplicateAllowed </DuplicateAllowed> [0..1]
<MajorGroup> MajorGroup </MajorGroup> [0..*]
</...>
```

### LaborOperationsVehicle

These field(s) use this type: Vehicle.

|                 |                        |
|-----------------|------------------------|
| <b>Name</b>     | LaborOperationsVehicle |
| <b>Abstract</b> | no                     |

#### Data Elements and Components

| Field / Component | Description  | R/O | Business Rule |
|-------------------|--|-----|---------------|
| Model             | Manufacturer-assigned model code of vehicle - Usually available in the VIN number (use NCIC code)              | O   |               |
| ModelYear         | Vehicle designated model year  | O   |               |
| ModelDescription  | Descriptive vehicle model name   | O   |               |
| Make              | Vehicle make code - Usually available in the VIN number (use NCIC code).                                       | O   |               |
| VIN               | Federally defined 17 position vehicle identification number  | O   |               |
| TransmissionType  | TransmissionType   | O   |               |
| EquipmentType     | Type of equipment on the vehicle   | O   |               |
| WMICode           | World Manufacture Identifier - part of the VIN that describes the vehicle's country of origin                  | O   |               |
| VDSCode           | Vehicle Description Section- part of the VIN that correlates to a specific vehicle model, bodystyle, and grade | O   |               |
| DriveType         | Designates vehicle drive type  | O   |               |

# Get Labor Operations

## XML Instance Representation

```
<...>
  <Model> Model </Model> [0..1]
  <ModelYear> ModelYear </ModelYear> [0..1]
  <ModelDescription> ModelDescription </ModelDescription> [0..1]
  <Make> Make </Make> [0..1]
  <VIN> VIN </VIN> [0..1]
  <TransmissionType> TransmissionType </TransmissionType> [0..1]
  <EquipmentType> EquipmentType </EquipmentType> [0..1]
  <WMICode> WMICode </WMICode> [0..1]
  <VDSCode> VDSCode </VDSCode> [0..1]
  <DriveType> DriveType </DriveType> [0..1]
</...>
```

## LaborRelationshipTypeDesc

These field(s) use this type: LaborRelationshipTypeDesc.

A textual description of the labor relationship type

|          |                           |
|----------|---------------------------|
| Name     | LaborRelationshipTypeDesc |
| Abstract | no                        |

## XML Instance Representation

```
<...
language="Language [0..1]">
  Description
</...>
```

## LocationId

These field(s) use this type: LocationId,LocationId.

Code identifying a physical location

|      |            |
|------|------------|
| Name | LocationId |
|------|------------|

## Get Labor Operations

**Abstract** no

### XML Instance Representation

```
<...>  
  Id  
</...>
```

## MajorGroup

These field(s) use this type: MajorGroup.

**Name** MajorGroup

**Abstract** no

### Data Elements and Components

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| MajorGroupCode    | Code identifying a labor operation's major group        | O   |               |
| MajorGroupDesc    | Description of the Major Group for labor operation      | O   |               |
| ImageAttachment   | Image Attachment  | O   |               |
| ComponenteGroup   | Represents the Labor Operation Major Group sub grouping | O   |               |

### XML Instance Representation

```
<...>  
  <MajorGroupCode> MajorGroupCode </MajorGroupCode> [0..1]  
  <MajorGroupDesc> MajorGroupDesc </MajorGroupDesc> [0..1]  
  <ImageAttachment> ImageAttachment </ImageAttachment> [0..*]  
  <ComponenteGroup> ComponentGroup </ComponenteGroup> [0..*]  
</...>
```

## MajorGroupDesc

These field(s) use this type: MajorGroupDesc, MajorGroupDesc.

## Get Labor Operations

Description of the Major Group

|                 |                       |
|-----------------|-----------------------|
| <b>Name</b>     | <b>MajorGroupDesc</b> |
| <b>Abstract</b> | no                    |

### XML Instance Representation

```
<...  
language="Language [0..1]">  
  Description  
</...>
```

### MarketSpecific

These field(s) use this type: MarketSpecific,MarketSpecific.

|                 |                       |
|-----------------|-----------------------|
| <b>Name</b>     | <b>MarketSpecific</b> |
| <b>Abstract</b> | no                    |

### Data Elements and Components

| Field / Component         | Description  | R/O | Business Rule |
|---------------------------|--|-----|---------------|
| TotalCost                 | Paint and materials value at unit cost times quantity (Before any split)   | O   |               |
| PriorWorkAuthorizationInd | Indicates that if this labor operation is used, the claim requires authorization   | O   |               |
| MarketSource              | Indicates marketing location of which the labor operation request is coming from   | O   |               |
| SelfAuthorization         | For those labor operations that require authorization this code indicates whether or not a dealer is allowed to authorize claims with this labor operation. For a dealer to be able to authorize the dealer must meet self-authorization qualifications and the claim must be within the self-authorization limits | O   |               |

### XML Instance Representation

## Get Labor Operations

```
<...>
  <TotalCost> TotalCost </TotalCost> [0..1]
  <PriorWorkAuthorizationInd> PriorWorkAuthorizationInd </PriorWorkAuthorizationInd> [0..1]
  <MarketSource> MarketSource </MarketSource> [0..1]
  <SelfAuthorization> SelfAuthorization </SelfAuthorization> [0..1]
</...>
```

### OrganizationalPartyAlternatePartyId

These field(s) use this type: AlternatePartyIds.

|                 |                                     |
|-----------------|-------------------------------------|
| <b>Name</b>     | OrganizationalPartyAlternatePartyId |
| <b>Abstract</b> | no                                  |

#### Data Elements and Components

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| Id                | Alternate Party Identification  | R   |               |
| AssigningPartyId  | Agency or entity that validates the Party Id  | R   |               |
| IssuingState      | Indicates that State where the license was issued.                                  | O   |               |
| ExpirationDate    | Expiration date of the alternate party id (e.g., Driver's License expiration date). | O   |               |

### XML Instance Representation

```
<...>
  <Id> Id </Id> [1]
  <AssigningPartyId> AssigningOrganizationPartyId </AssigningPartyId> [1]
  <IssuingState> IssuingState </IssuingState> [0..1]
  <ExpirationDate> ExpirationDate </ExpirationDate> [0..1]
</...>
```

### PartsAmountLimit



## Get Labor Operations

---

These field(s) use this type: **PartsAmountLimit**.

The parts dollar limit

|                 |                  |
|-----------------|------------------|
| <b>Name</b>     | PartsAmountLimit |
| <b>Abstract</b> | no               |

### XML Instance Representation

```
<...  
  currency="Currency [1]">  
    Amount  
</...>
```

## PartyBase

Derived from oa:Party

|                 |           |
|-----------------|-----------|
| <b>Name</b>     | PartyBase |
| <b>Abstract</b> | no        |

### Data Elements and Components

| Field / Component | Description                 | R/O | Business Rule |
|-------------------|-----------------------------|-----|---------------|
| PartyId           | Party Identification Number | O   |               |

### XML Instance Representation

```
<...>  
  <PartyId> PartyId </PartyId> [0..1]  
</...>
```

## PartyId

These field(s) use this type: **PartyId,DealerNumber,PartyId,DealerNumber,PartyId**.

Party Identification Number

## Get Labor Operations

|                 |                |
|-----------------|----------------|
| <b>Name</b>     | <b>PartyId</b> |
| <b>Abstract</b> | no             |

### XML Instance Representation

```
<...>  
  Id  
</...>
```

### RelatedLabor

These field(s) use this type: **RelatedLabor**.

|                 |                     |
|-----------------|---------------------|
| <b>Name</b>     | <b>RelatedLabor</b> |
| <b>Abstract</b> | no                  |

### Data Elements and Components

| Field / Component         | Description  | R/O | Business Rule |
|---------------------------|--|-----|---------------|
| LaborOperationId          | Currently assigned code for this related labor operation   | O   |               |
| LaborOperationDescription | Description of a related labor operation code  | O   |               |
| LaborAllowanceHours       | Flat rate labor hour allowance for this related labor operation  | O   |               |
| LaborAdditionalHours      | Additional hours above the limit allowed before the claim needs to be authorized.  | O   |               |
| LaborRelationshipType     | Identifies the relationship between the main labor operation and a related labor operation   | O   |               |
| LaborRelationshipTypeDesc | A textual description of the labor relationship type.  | O   |               |
| LaborOperationIdType      | Labor operation category code.   | O   |               |
| LaborOperationIdTypeDesc  | Labor operation code type description. Possible Values: Customer Satisfaction, Driveability, Optional, safety, Related, Primary, Rental/Loaner, Towing, Sublet, and Dealer Prep. | O   |               |

## Get Labor Operations

| Field / Component          | Description   | R/O | Business Rule |
|----------------------------|---|-----|---------------|
| OperationUsage             | Operation Usage comments (e.g. Overlapping information)   | O   |               |
| VehicleApplicable          | Indicates whether this labor operation applies to a vehicle as built or equipped.   | O   |               |
| VehicleRestricted          | Indicates whether a labor operation is restricted for a vehicle   | O   |               |
| CombinationCode            | Code to represent additional time needed for removing/installing optional equipment that some vehicle models have                               | O   |               |
| CombinationCodeDescription | Textual description of the code that represents additional time needed for removing/installing optional equipment that some vehicle models have |     |               |
| LaborAdditionalHoursCode   | Code for allowing flexibility for hours needed to complete a specific labor operation   | O   |               |
| LaborOpCodeChapter         | Electronic Section number of the Flat Rate Manual CD where Labor Operation Code is found  | O   |               |
| LaborOpCodePage            | Electronic page number in Flat Rate Manual CD where Labor Operation Code is found   | O   |               |
| FailureCodes               | Failure codes for related labor   | O   |               |
| MarketSpecific             | Market specific information   | O   |               |

### XML Instance Representation

```

<...>
  <LaborOperationId> LaborOperationId </LaborOperationId> [0..1]
  <LaborOperationDescription> LaborOperationDescription </LaborOperationDescription> [0..1]
  <LaborAllowanceHours> LaborAllowanceHours </LaborAllowanceHours> [0..1]
  <LaborAdditionalHours> LaborAdditionalHours </LaborAdditionalHours> [0..1]
  <LaborRelationshipType> LaborRelationshipType </LaborRelationshipType> [0..1]
  <LaborRelationshipTypeDesc> LaborRelationshipTypeDesc </LaborRelationshipTypeDesc> [0..1]
  <LaborOperationIdType> LaborOperationIdType </LaborOperationIdType> [0..1]
  <LaborOperationIdTypeDesc> LaborOperationIdTypeDesc </LaborOperationIdTypeDesc> [0..1]
  <OperationUsage> OperationUsage </OperationUsage> [0..1]
  <VehicleApplicable> VehicleApplicable </VehicleApplicable> [0..1]
  <VehicleRestricted> VehicleRestricted </VehicleRestricted> [0..1]

```

## Get Labor Operations

```
<CombinationCode> CombinationCode </CombinationCode> [0..1]
<CombinationCodeDescription> CombinationCodeDescription </CombinationCodeDescription> [0..1]
<LaborAdditionalHoursCode> LaborAdditionalHoursCode </LaborAdditionalHoursCode> [0..1]
<LaborOpCodeChapter> LaborOpCodeChapter </LaborOpCodeChapter> [0..1]
<LaborOpCodePage> LaborOpCodePage </LaborOpCodePage> [0..1]
<FailureCodes> FailureCodes </FailureCodes> [0..*]
<MarketSpecific> MarketSpecific </MarketSpecific> [0..1]
</...>
```

### RequestVerb

|          |             |
|----------|-------------|
| Name     | RequestVerb |
| Abstract | no          |

### Data Elements and Components

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| Verb              |   | R   |               |
| ReturnCriteria    | ReturnCriteria identifies the content that is to be returned, given query success. In essence, the expression here has the effect of filtering the part(s) of the found element(s) that are to be returned. ReturnCriteria plays no role in the query itself. That is handled as a match against the request BOD's noun exemplar. ReturnCriteria allows the sender of the BOD to indicate which information (down to the field level) is requested to be returned, given that the query has been successful in matching the exemplar to existing nouns. That is, in a GetListPurchaseOrder, if one or more PurchaseOrders with a TotalPrice = \$1M were found, ReturnCriteria tells the BOD recipient which parts of the PurchaseOrder should be populated with content when the response (ShowPurchaseOrder) is formulated. The expressionLanguage indicates the expression language being used. In order for the ReturnCriteria expression to be evaluable by the BOD recipient, the recipient must be capable of processing and interpreting the specified expression language. XPath is the default, due to its ubiquity among XML processing technologies. | R   |               |

## Get Labor Operations

---

### XML Instance Representation

```
<...  
confirm="ConfirmType [0..1]">  
  <ReturnCriteria> ... </ReturnCriteria> [1]  
</...>
```

### SecondaryDealerNumber

These field(s) use this type: **SecondaryDealerNumber**.

Identifies secondary dealer number if different than primary "Dealer Number"

|                 |                              |
|-----------------|------------------------------|
| <b>Name</b>     | <b>SecondaryDealerNumber</b> |
| <b>Abstract</b> | no                           |

### XML Instance Representation

```
<...>  
  Id  
</...>
```

### Sender

These field(s) use this type: **Sender**.

|                 |               |
|-----------------|---------------|
| <b>Name</b>     | <b>Sender</b> |
| <b>Abstract</b> | no            |

## Data Elements and Components

## Get Labor Operations

| Field / Component | Description   | R/O | Business Rule   |
|-------------------|---|-----|---|
| LogicalId         | Provides the logical location of the server and applications from which the Business Object Document originated. It can be used to establish a logical to physical mapping, however its use is optional. Each system or combination of systems should maintain an external central reference table containing the logical names or logical addresses of the application systems in the integration configuration. This enables the logical names to be mapped to the physical network addresses of the resources needed on the network. Note: The technical implementation of this Domain Naming Service is not dictated by this specification. This logical to physical mapping may be done at execution time by the application itself or by a middleware transport mechanism, depending on the integration architecture used. This provides for a simple but effective directory access capability while maintaining application independence from the physical location of those resources on the network | O   |   |
| Component         | Provides a finer level of control than Logical Identifier and represents the business application that issued the Business Object Document. Its use is optional. For STAR's use this is the DCS Software code name  |     |   |
| Task              | Describes the business event that initiated the need for the Business Object Document to be created. For STAR, the task is defined in the Implementation Guidelines for each BOD. It is usually a short description of the BOD. Ex: SalesLead, CreditDecision, etc.   | R   |   |
| ReferenceId       | Enables the sending application to indicate the instance identifier of the event or task that caused the BOD to be created. This is used to correlate a response BOD to an originating BOD  | O   |   |
| AuthorizationId   | Identifies the authorization level of the user or application that is sending the Business Object Document Message. This authorization level being recognized by the receiving system indicates what can be done on the receiving system. For STAR, this is the User ID.  | O   |   |
| CreatorNameCode   | DCS Software Creator Code   | R   |   |
| SenderNameCode    | Additional information about the sending platform (i.e., Short MFG or DSP code).  | R   | Must use a valid code from the ShortMfg/RSP list on <a href="http://www.starstandards.org">http://www.starstandards.org</a> |
| SenderURI         | Physical address of the sender  | O   |   |

## Get Labor Operations

| Field / Component     | Description  | R/O | Business Rule  |
|-----------------------|--|-----|--|
| DealerNumber          | Dealer Code of source of information   | O   | Dealer Number is Required if originating from DMS.         |
| StoreNumber           | Dealer code store number (DMS assigned)  | O   |  |
| AreaNumber            | Dealer code area number (DMS vendor assigned)  | O   |  |
| DealerCountry         | Source Dealer country location   | O   | Reference Country enumerator.                              |
| Language              | This code is used to define the language of the data used in this transaction  | O   | Reference Language enumerator.                             |
| DeliverPendingMailInd | Indicates if the user requests to receive pending mail that has been stored O and has yet not been delivered yet. By selecting 0, the user will only receive the response for the current transaction the user is performing.  | O   | 1 - Receive Pending Mail. 0 - Do not receive pending mail. |
| Password              | Token for application specific authentication. Used to authenticate dealership/users through application specific security   | O   |  |
| SystemVersion         | The sender's software version number.  | O   |  |
| PartyId               | The Party Id field uniquely identifies the Sender of the message. This element can be used for parties within the Automotive Community as well as external parties. Party Id is not intended as a replacement for the Dealer Number. Suggested formats for OEMs or other large institutions include: DUNs Number, ShortMfgCode + DUNs, or ShortMfgCode. The suggested format for Dealers is: ShortMfgCode+Dealer Number. | O   |  |
| LocationId            | The Location Id field uniquely identifies the location of the Sender of a message. This Id may be aligned with a physical address or data centers. This field provides an additional level of granularity beyond the usage of the Party Id for additional routing and deliver of data.   | O   |  |
| ServiceId             | The Service Id field identifies the particular service from which a message is being sent, e.g., an inventory service.   | O   |  |

### XML Instance Representation

```
<...>
  <LogicalId> Text </LogicalId> [0..1]
```

# Get Labor Operations

```
<Component> Text </Component> [1]
<Task> Text </Task> [1]
<ReferenceId> Reference </ReferenceId> [0..1]
<AuthorizationId> Id </AuthorizationId> [0..1]
<CreatorNameCode> Text </CreatorNameCode> [1]
<SenderNameCode> ShortMfg </SenderNameCode> [1]
<SenderURI> URI </SenderURI> [0..1]
<DealerNumber> PartyId </DealerNumber> [0..1]
<StoreNumber> Text </StoreNumber> [0..1]
<AreaNumber> Text </AreaNumber> [0..1]
<DealerCountry> Country </DealerCountry> [0..1]
<Language> Language </Language> [0..1]
<DeliverPendingMailInd> Indicator </DeliverPendingMailInd> [0..1]
<Password> Text </Password> [0..1]
<SystemVersion> SystemVersion </SystemVersion> [0..1]
<PartyId> PartyId </PartyId> [0..1]
<LocationId> LocationId </LocationId> [0..1]
<ServiceId> ServiceId </ServiceId> [0..1]
</...>
```

## SenderBase

|          |            |
|----------|------------|
| Name     | SenderBase |
| Abstract | no         |

### Data Elements and Components



## Get Labor Operations

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| LogicalId         | Provides the logical location of the server and applications from which the Business Object Document originated. It can be used to establish a logical to physical mapping, however its use is optional. Each system or combination of systems should maintain an external central reference table containing the logical names or logical addresses of the application systems in the integration configuration. This enables the logical names to be mapped to the physical network addresses of the resources needed on the network. Note: The technical implementation of this Domain Naming Service is not dictated by this specification. This logical to physical mapping may be done at execution time by the application itself or by a middleware transport mechanism, depending on the integration architecture used. This provides for a simple but effective directory access capability while maintaining application independence from the physical location of those resources on the network | O   |               |
| Component         | Provides a finer level of control than Logical Identifier and represents the business application that issued the Business Object Document. Its use is optional. For STAR's use this is the DCS Software code name  |     |               |
| Task              | Describes the business event that initiated the need for the Business Object Document to be created. For STAR, the task is defined in the Implementation Guidelines for each BOD. It is usually a short description of the BOD. Ex: SalesLead, CreditDecision, etc.   | R   |               |
| ReferenceId       | Enables the sending application to indicate the instance identifier of the event or task that caused the BOD to be created. This is used to correlate a response BOD to an originating BOD  | O   |               |
| AuthorizationId   | Identifies the authorization level of the user or application that is sending the Business Object Document Message. This authorization level being recognized by the receiving system indicates what can be done on the receiving system. For STAR, this is the User ID.  | O   |               |

### XML Instance Representation

```
<...>
  <LogicalId> Text </LogicalId> [0..1]
  <Component> Text </Component> [1]
  <Task> Text </Task> [1]
```

## Get Labor Operations

```
<ReferenceId> Reference </ReferenceId> [0..1]
<AuthorizationId> Id </AuthorizationId> [0..1]
</...>
```

### ServiceId

These field(s) use this type: **ServiceId,ServiceId**.

The Service Id field identifies the particular service to or from which a message is being sent, e.g., an inventory service.

|                 |                  |
|-----------------|------------------|
| <b>Name</b>     | <b>ServiceId</b> |
| <b>Abstract</b> | <b>no</b>        |

### XML Instance Representation

```
<...>
  Id
</...>
```

### Signature

These field(s) use this type: **Signature**.

|                 |                  |
|-----------------|------------------|
| <b>Name</b>     | <b>Signature</b> |
| <b>Abstract</b> | <b>no</b>        |

### Attributes

| Field / Component | Description | R/O | Business Rule |
|-------------------|-------------|-----|---------------|
| qualifyingAgency  |             | O   |               |

### Data Elements and Components

| Field / Component | Description | R/O | Business Rule |
|-------------------|-------------|-----|---------------|
|-------------------|-------------|-----|---------------|

## Get Labor Operations

---

### XML Instance Representation

```
<...  
qualifyingAgency="Text [0..1]">  
Allow any elements from any namespace (strict validation). [0..1]  
</...>
```

### TechnicianSkill

These field(s) use this type: TechnicianSkill.

|                 |                 |
|-----------------|-----------------|
| <b>Name</b>     | TechnicianSkill |
| <b>Abstract</b> | no              |

### Data Elements and Components

| Field / Component    | Description   | R/O | Business Rule |
|----------------------|---|-----|---------------|
| TechnicianSkillArea  | Type of training required to perform the labor operation  | O   |               |
| TechnicianSkillLevel | Level of training required to perform the labor operation | O   |               |

### XML Instance Representation

```
<...>  
  <TechnicianSkillArea> TechnicianSkillArea </TechnicianSkillArea> [0..1]  
  <TechnicianSkillLevel> TechnicianSkillLevel </TechnicianSkillLevel> [0..1]  
</...>
```

### TotalCost

These field(s) use this type: TotalCost.

Value at unit cost times quantity

|                 |           |
|-----------------|-----------|
| <b>Name</b>     | TotalCost |
| <b>Abstract</b> | no        |

## Get Labor Operations

---

### XML Instance Representation

```
<...  
currency="Currency [1]">  
  Amount  
</...>
```

### TransError

These field(s) use this type: **TransError**.

|                 |            |
|-----------------|------------|
| <b>Name</b>     | TransError |
| <b>Abstract</b> | no         |

### Data Elements and Components

| Field / Component | Description            | R/O | Business Rule |
|-------------------|------------------------|-----|---------------|
| ErrorCode         | Error Code             | O   |               |
| ErrorText         | Descriptive Error Text | O   |               |

### XML Instance Representation

```
<...>  
  <ErrorCode> ErrorCode </ErrorCode> [0..1]  
  <ErrorText> ErrorText </ErrorText> [0..1]  
</...>
```

### Vehicle

|                 |         |
|-----------------|---------|
| <b>Name</b>     | Vehicle |
| <b>Abstract</b> | no      |

### Data Elements and Components

## Get Labor Operations

| Field / Component | Description   | R/O | Business Rule |
|-------------------|---|-----|---------------|
| Model             | Manufacturer-assigned model code of vehicle - Usually available in the VIN number (use NCIC code) | O   |               |
| ModelYear         | Vehicle designated model year   | O   |               |
| ModelDescription  | Descriptive vehicle model name  | O   |               |
| Make              | Vehicle make code - Usually available in the VIN number (use NCIC code).                          | O   |               |

### XML Instance Representation

```
<...>
  <Model> Model </Model> [0..1]
  <ModelYear> ModelYear </ModelYear> [0..1]
  <ModelDescription> ModelDescription </ModelDescription> [0..1]
  <Make> Make </Make> [0..1]
</...>
```

### Verb

These field(s) use this type: **Verb**.

| Name     | Verb |
|----------|------|
| Abstract | no   |

### Data Elements and Components

| Field / Component | Description | R/O | Business Rule |
|-------------------|-------------|-----|---------------|
|-------------------|-------------|-----|---------------|

### XML Instance Representation

```
<.../>
```

## AssigningOrganizationPartyId

These field(s) use this type: **AssigningPartyId**.

## Get Labor Operations

---

Assigning Organization Party Id

| Name                             | AssigningOrganizationPartyId   |
|----------------------------------|--|
| *Base XSD Type: string           |  |
| Code Value                       | Description  |
| LegalId                          | Legal ID   |
| NationalId                       | Government-assigned ID such as a social security Number  |
| Other                            | Other  |
| DUNS                             | Dun and Bradstreet   |
| MotorDealerRegistrationId        | Department of Motor Vehicle Registration number for a dealer. This is the dealer's license number to do business.                          |
| GSTRegistrationId                | Canadian Goods and Services Tax Id.  |
| HSTRegistrationId                | Canadian HarmonizedTax Id.   |
| Certification Of Registration Id | Id of the certificate of registration assigned to a business to allow that business to collect and remit certain taxes or fees to a state. |
| QSTRegistrationId                | Quebec sales tax id.   |

## CampaignNumber

These field(s) use this type: **CampaignNumber**.

Manufacturer assigned campaign number

| Name                   | CampaignNumber |
|------------------------|----------------|
| *Base XSD Type: string |                |

## CategoryCode

These field(s) use this type: **CategoryCode**.

## Get Labor Operations

---

Manufacturer assigned code for categorizing

| Name | CategoryCode |
|------|--------------|
|------|--------------|

\*Base XSD Type: string

### Code

These field(s) use this type: **BODId.**

Unique code name

| Name | Code |
|------|------|
|------|------|

\*Base XSD Type: string

### CombinationCode

These field(s) use this type: **CombinationCode.**

Code to represent additional time needed for removing/installing optional equipment that some vehicle models have

| Name | CombinationCode |
|------|-----------------|
|------|-----------------|

\*Base XSD Type: string

### ComponentCode

These field(s) use this type: **ComponentCode,ComponentCode.**

Code identifying a component code..

| Name | ComponentCode |
|------|---------------|
|------|---------------|

\*Base XSD Type: string

### ComponentGroupCode

## Get Labor Operations

These field(s) use this type: **ComponentGroupCode,ComponentGroupCode.**

Code identifying a component group.

| Name                   | ComponentGroupCode |
|------------------------|--------------------|
| *Base XSD Type: string |                    |

## ConfirmType

| Name                    | ConfirmType |
|-------------------------|-------------|
| *Base XSD Type: NMTOKEN |             |
| Code Value              | Description |
| Always                  |             |
| OnChange                |             |
| Never                   |             |

## Country

These field(s) use this type: **DealerCountry,DealerCountry.**

Country in which the Address is in. Conforms to ISO 3166-2. AF -AFGHANISTAN AL -ALBANIA DZ -ALGERIA AS -AMERICAN SAMOA AD -ANDORRA AO -ANGOLA AI -ANGUILLA AQ -ANTARCTICA AG -ANTIGUA AND BARBUDA AR -ARGENTINA AM -ARMENIA AW -ARUBA AU -AUSTRALIA AT -AUSTRIA AZ -AZERBAIJAN BS -BAHAMAS BH -BAHRAIN BD -BANGLADESH BB -BARBADOS BY -BELARUS BE -BELGIUM BZ -BELIZE BJ -BENIN BM -BERMUDA BT -BHUTAN BO -BOLIVIA BA -BOSNIA AND HERZEGOVINA BW -BOTSWANA BV -BOUVET ISLAND BR -BRAZIL IO-BRITISH INDIAN OCEAN TERRITORY BN -BRUNEI DARUSSALAM BG -BULGARIA BF -BURKINA FASO BI -BURUNDI KH -CAMBODIA CM -CAMEROON CA -CANADA CV -CAPE VERDE KY -CAYMAN ISLANDS CF -CENTRAL AFRICAN REPUBLIC TD -CHAD CL -CHILE CN -CHINA CX -CHRISTMAS ISLAND CC -COCOS (KEELING) ISLANDS CO -COLOMBIA KM -COMOROS CG -CONGO CD -CONGO, THE DEMOCRATIC REPUBLIC OF THE CK -COOK ISLANDS CR -COSTA RICA CI -CÔTE D'IVOIRE HR -CROATIA CU -CUBA CY -CYPRUS CZ -CZECH REPUBLIC DK -DENMARK DJ -DJIBOUTI DM -DOMINICA DO -DOMINICAN REPUBLIC EC -ECUADOR EG -EGYPT SV -EL SALVADOR GQ -EQUATORIAL GUINEA ER -ERITREA EE -ESTONIA ET -ETHIOPIA FK -FALKLAND ISLANDS (MALVINAS) FO -FAROE ISLANDS FJ -FIJI FI -FINLAND FR -FRANCE GF -FRENCH GUIANA PF -FRENCH POLYNESIA TF -FRENCH SOUTHERN TERRITORIES GA -GABON GM -GAMBIA GE -GEORGIA DE -GERMANY GH -GHANA GI



## Get Labor Operations

-GIBRALTAR GR -GREECE GL -GREENLAND GD -GRENADA GP -GUADELOUPE GU -GUAM GT -GUATEMALA GN -GUINEA GW  
 -GUINEA-BISSAU GY -GUYANA HT -HAITI HM -HEARD ISLAND AND MCDONALD ISLANDS VA -HOLY SEE (VATICAN CITY STATE)  
 HN -HONDURAS HK -HONG KONG HU -HUNGARY IS -ICELAND IN -INDIA ID -INDONESIA IR -IRAN, ISLAMIC REPUBLIC OF IQ -IRAQ  
 IE -IRELAND IL -ISRAEL IT -ITALY JM -JAMAICA JP -JAPAN JO -JORDAN KZ -KAZAKHSTAN KE -KENYA KI -KIRIBATI KP -KOREA,  
 DEMOCRATIC PEOPLE'S REPUBLIC OF KR -KOREA, REPUBLIC OF KW -KUWAIT KG -KYRGYZSTAN LA -LAO PEOPLE'S DEMOCRATIC  
 REPUBLIC LV -LATVIA LB -LEBANON LS -LESOTHO LR -LIBERIA LY -LIBYAN ARAB JAMAHIRIYA LI -LIECHTENSTEIN LT  
 -LITHUANIA LU -LUXEMBOURG MO -MACAO MK -MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF MG -MADAGASCAR MW  
 -MALAWI MY -MALAYSIA MV -MALDIVES ML -MALI MT -MALTA MH -MARSHALL ISLANDS MQ -MARTINIQUE MR -MAURITANIA  
 MU -MAURITIUS YT -MAYOTTE MX -MEXICO FM -MICRONESIA, FEDERATED STATES OF MD -MOLDOVA, REPUBLIC OF MC  
 -MONACO MN -MONGOLIA MS -MONTERRAT MA -MOROCCO MZ -MOZAMBIQUE MM -MYANMAR NA -NAMIBIA NR -NAURU NP  
 -NEPAL NL -NETHERLANDS AN -NETHERLANDS ANTILLES NC -NEW CALEDONIA NZ -NEW ZEALAND NI -NICARAGUA NE -NIGER  
 NG -NIGERIA NU -NIUE NF -NORFOLK ISLAND MP -NORTHERN MARIANA ISLANDS NO -NORWAY OM -OMAN PK -PAKISTAN PW  
 -PALAU PS -PALESTINIAN TERRITORY, OCCUPIED PA -PANAMA PG -PAPUA NEW GUINEA PY -PARAGUAY PE -PERU PH -PHILIPPINES  
 PN -PITCAIRN PL -POLAND PT -PORTUGAL PR -PUERTO RICO QA -QATAR RE -RÅ#Â#UNION RO -ROMANIA RU -RUSSIAN  
 FEDERATION RW -RWANDA SH -SAINT HELENA KN -SAINT KITTS AND NEVIS LC -SAINT LUCIA PM -SAINT PIERRE AND MIQUELON  
 VC -SAINT VINCENT AND THE GRENADINES WS -SAMOA SM -SAN MARINO ST -SAO TOME AND PRINCIPE SA -SAUDI ARABIA SN  
 -SENEGAL CS -SERBIA AND MONTENEGRO SC -SEYCHELLES SL -SIERRA LEONE SG -SINGAPORE SK -SLOVAKIA SI -SLOVENIA SB  
 -SOLOMON ISLANDS SO -SOMALIA ZA -SOUTH AFRICA GS -SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS ES -SPAIN LK  
 -SRI LANKA SD -SUDAN SR -SURINAME SJ -SVALBARD AND JAN MAYEN SZ -SWAZILAND SE -SWEDEN CH -SWITZERLAND SY  
 -SYRIAN ARAB REPUBLIC TW -TAIWAN, PROVINCE OF CHINA TJ -TAJIKISTAN TZ -TANZANIA, UNITED REPUBLIC OF TH -THAILAND  
 TL -TIMOR-LESTE TG - TOGO TK -TOKELAU TO -TONGA TT -TRINIDAD AND TOBAGO TN -TUNISIA TR -TURKEY TM  
 -TURKMENISTAN TC -TURKS AND CAICOS ISLANDS TV -TUVALU UG -UGANDA UA -UKRAINE AE -UNITED ARAB EMIRATES GB  
 -UNITED KINGDOM US -UNITED STATES UM -UNITED STATES MINOR OUTLYING ISLANDS UY -URUGUAY UZ -UZBEKISTAN VU  
 -VANUATU VE -VENEZUELA VN -VIET NAM VG -VIRGIN ISLANDS, BRITISH VI -VIRGIN ISLANDS, U.S. WF -WALLIS AND FUTUNA EH  
 -WESTERN SAHARA YE -YEMEN ZM -ZAMBIA ZW -ZIMBABWE

| Name                   | Country     |
|------------------------|-------------|
| *Base XSD Type: string |             |
| Code Value             | Description |
| US                     |             |
| AF                     |             |
| AL                     |             |
| DZ                     |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| AS         |             |
| AD         |             |
| AO         |             |
| AI         |             |
| AQ         |             |
| AG         |             |
| AR         |             |
| AM         |             |
| AW         |             |
| AU         |             |
| AT         |             |
| AZ         |             |
| BS         |             |
| BH         |             |
| BD         |             |
| BB         |             |
| BY         |             |
| BE         |             |
| BZ         |             |
| BJ         |             |
| BM         |             |
| BT         |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| BO         |             |
| BA         |             |
| BW         |             |
| BV         |             |
| BR         |             |
| IO         |             |
| BN         |             |
| BG         |             |
| BF         |             |
| BI         |             |
| KH         |             |
| CM         |             |
| CA         |             |
| CV         |             |
| KY         |             |
| CF         |             |
| TD         |             |
| CL         |             |
| CN         |             |
| CX         |             |
| CC         |             |
| CO         |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| KM         |             |
| CG         |             |
| CD         |             |
| CK         |             |
| CR         |             |
| CI         |             |
| HR         |             |
| CU         |             |
| CY         |             |
| CZ         |             |
| DK         |             |
| DJ         |             |
| DM         |             |
| DO         |             |
| EC         |             |
| EG         |             |
| SV         |             |
| GQ         |             |
| ER         |             |
| EE         |             |
| ET         |             |
| FK         |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| FO         |             |
| FJ         |             |
| FI         |             |
| FR         |             |
| GF         |             |
| PF         |             |
| TF         |             |
| GA         |             |
| GM         |             |
| GE         |             |
| DE         |             |
| GH         |             |
| GI         |             |
| GR         |             |
| GL         |             |
| GD         |             |
| GP         |             |
| GU         |             |
| GT         |             |
| GN         |             |
| GW         |             |
| GY         |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| HT         |             |
| HM         |             |
| VA         |             |
| HN         |             |
| HK         |             |
| HU         |             |
| IS         |             |
| IN         |             |
| ID         |             |
| IR         |             |
| IQ         |             |
| IE         |             |
| IL         |             |
| IT         |             |
| JM         |             |
| JP         |             |
| JO         |             |
| KZ         |             |
| KE         |             |
| KI         |             |
| KP         |             |
| KR         |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| KW         |             |
| KG         |             |
| LA         |             |
| LV         |             |
| LB         |             |
| LS         |             |
| LR         |             |
| LY         |             |
| LI         |             |
| LT         |             |
| LU         |             |
| MO         |             |
| MK         |             |
| MG         |             |
| MW         |             |
| MY         |             |
| MV         |             |
| ML         |             |
| MT         |             |
| MH         |             |
| MQ         |             |
| MR         |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| MU         |             |
| YT         |             |
| MX         |             |
| FM         |             |
| MD         |             |
| MC         |             |
| MN         |             |
| MS         |             |
| MA         |             |
| MZ         |             |
| MM         |             |
| NA         |             |
| NR         |             |
| NP         |             |
| NL         |             |
| AN         |             |
| NC         |             |
| NZ         |             |
| NI         |             |
| NE         |             |
| NG         |             |
| NU         |             |



## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| NF         |             |
| MP         |             |
| NO         |             |
| OM         |             |
| PK         |             |
| PW         |             |
| PS         |             |
| PA         |             |
| PG         |             |
| PY         |             |
| PE         |             |
| PH         |             |
| PN         |             |
| PL         |             |
| PT         |             |
| PR         |             |
| QA         |             |
| RE         |             |
| RO         |             |
| RU         |             |
| RW         |             |
| SH         |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| KN         |             |
| LC         |             |
| PM         |             |
| VC         |             |
| WS         |             |
| SM         |             |
| ST         |             |
| SA         |             |
| SN         |             |
| CS         |             |
| SC         |             |
| SL         |             |
| SG         |             |
| SK         |             |
| SI         |             |
| SB         |             |
| SO         |             |
| ZA         |             |
| GS         |             |
| ES         |             |
| LK         |             |
| SD         |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| SR         |             |
| SJ         |             |
| SZ         |             |
| SE         |             |
| CH         |             |
| SY         |             |
| TW         |             |
| TJ         |             |
| TZ         |             |
| TH         |             |
| TL         |             |
| TG         |             |
| TK         |             |
| TO         |             |
| TT         |             |
| TN         |             |
| TR         |             |
| TM         |             |
| TC         |             |
| TV         |             |
| UG         |             |
| UA         |             |

## Get Labor Operations

| Code Value | Description |
|------------|-------------|
| AE         |             |
| GB         |             |
| UM         |             |
| UY         |             |
| UZ         |             |
| VU         |             |
| VE         |             |
| VN         |             |
| VG         |             |
| VI         |             |
| WF         |             |
| EH         |             |
| YE         |             |
| ZM         |             |
| ZW         |             |

## Currency

The ISO code identifying the type of currency in use.

| Name                   | Currency    |
|------------------------|-------------|
| *Base XSD Type: string |             |
| Code Value             | Description |
| USD                    |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| ADP        |             |
| AED        |             |
| AFA        |             |
| ALL        |             |
| ANG        |             |
| AOK        |             |
| ARA        |             |
| ATS        |             |
| AUD        |             |
| AWG        |             |
| BBD        |             |
| BDT        |             |
| BEF        |             |
| BGL        |             |
| BHD        |             |
| BIF        |             |
| BMD        |             |
| BND        |             |
| BOB        |             |
| BRC        |             |
| BSD        |             |
| BTN        |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| BUK        |             |
| BWP        |             |
| BZD        |             |
| CAD        |             |
| CHF        |             |
| CLF        |             |
| CLP        |             |
| CNY        |             |
| COP        |             |
| CRC        |             |
| CSK        |             |
| CUP        |             |
| CVE        |             |
| CYP        |             |
| DDM        |             |
| DEM        |             |
| DJF        |             |
| DKK        |             |
| DOP        |             |
| DZD        |             |
| ECS        |             |
| EGP        |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| ESP        |             |
| ETB        |             |
| EUR        |             |
| FIM        |             |
| FKP        |             |
| FRF        |             |
| GBP        |             |
| GHC        |             |
| GIP        |             |
| GMD        |             |
| GNF        |             |
| GRD        |             |
| GTQ        |             |
| GWP        |             |
| GYD        |             |
| HKD        |             |
| HNL        |             |
| HTG        |             |
| HUF        |             |
| IDR        |             |
| IEP        |             |
| ILS        |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| INR        |             |
| IQD        |             |
| IRR        |             |
| ISK        |             |
| ITL        |             |
| JMD        |             |
| JOD        |             |
| JPY        |             |
| KES        |             |
| KHR        |             |
| KMF        |             |
| KPW        |             |
| KRW        |             |
| KWD        |             |
| KYD        |             |
| LAK        |             |
| LBP        |             |
| LKR        |             |
| LRD        |             |
| LSL        |             |
| LUF        |             |
| LYD        |             |



## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| MAD        |             |
| MGF        |             |
| MNT        |             |
| MOP        |             |
| MRO        |             |
| MTL        |             |
| MUR        |             |
| MVR        |             |
| MWK        |             |
| MXN        |             |
| MYR        |             |
| MZM        |             |
| NGN        |             |
| NIC        |             |
| NLG        |             |
| NOK        |             |
| NPR        |             |
| NZD        |             |
| OMR        |             |
| PAB        |             |
| PEI        |             |
| PGK        |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| PHP        |             |
| PKR        |             |
| PLZ        |             |
| PTE        |             |
| PYG        |             |
| QAR        |             |
| ROL        |             |
| RWF        |             |
| SAR        |             |
| SBD        |             |
| SCR        |             |
| SDP        |             |
| SEK        |             |
| SGD        |             |
| SHP        |             |
| SLL        |             |
| SKK        |             |
| SOS        |             |
| SRG        |             |
| STD        |             |
| SUR        |             |
| SVC        |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| SYP        |             |
| SZL        |             |
| THB        |             |
| TND        |             |
| TOP        |             |
| TPE        |             |
| TRL        |             |
| TTD        |             |
| TWD        |             |
| TZS        |             |
| UGS        |             |
| UYP        |             |
| VEB        |             |
| VND        |             |
| VUV        |             |
| WST        |             |
| YDD        |             |
| YER        |             |
| YUD        |             |
| ZAR        |             |
| ZRZ        |             |
| ZWD        |             |

## Get Labor Operations

| Code Value | Description |
|------------|-------------|
| Other      |             |

### DamageCode

These field(s) use this type: **DamageCode**.

Type of damage that occurred (Ex: scratched, dented, etc)

| Name | DamageCode |
|------|------------|
|------|------------|

\*Base XSD Type: string

### Date

Date conforms to ISO 8601 format rules EX: \d\d\d\d-\d\d-\d\d

| Name | Date |
|------|------|
|------|------|

\*Base XSD Type: date

### DateTime

These field(s) use this type: **CreationDateTime**.

Date and time conforms to ISO 8601format rules without offset EX:2003-11-05T13:15:30Z

| Name | DateTime |
|------|----------|
|------|----------|

\*Base XSD Type: dateTime

### DeliveryType

These field(s) use this type: **DeliveryType**.

Transaction request delivery type

## Get Labor Operations

---

| Name                   | DeliveryType   |
|------------------------|--|
| *Base XSD Type: string |  |
| Code Value             | Description  |
| Batch                  | The total accumulation of captured transactions sent at a set interval |
| Interactive            | Transactions that take place in real-time                              |

### DocumentDateTime

These field(s) use this type: **DocumentDateTime**.

Is the date and time the document was last created. This is not the date and time that the BOD message instance was created.

| Name                     | DocumentDateTime |
|--------------------------|------------------|
| *Base XSD Type: dateTime |                  |

### DriveType

These field(s) use this type: **DriveType**.

Designates vehicle drive type

| Name                   | DriveType         |
|------------------------|-------------------|
| *Base XSD Type: string |                   |
| Code Value             | Description       |
| Front                  | Front wheel drive |
| Rear                   | Rear wheel drive  |

### DuplicateAllowed

## Get Labor Operations

---

These field(s) use this type: **DuplicateAllowed.**

A campaign related field specifying the disposition of a campaign Ex: completed, open, etc.

|             |                         |
|-------------|-------------------------|
| <b>Name</b> | <b>DuplicateAllowed</b> |
|-------------|-------------------------|

\*Base XSD Type: string

### EmployeeName

These field(s) use this type: **EmployeeName.**

Employee Name

|             |                     |
|-------------|---------------------|
| <b>Name</b> | <b>EmployeeName</b> |
|-------------|---------------------|

\*Base XSD Type: string

### EmployeeTitle

These field(s) use this type: **EmployeeTitle.**

Employee Title

|             |                      |
|-------------|----------------------|
| <b>Name</b> | <b>EmployeeTitle</b> |
|-------------|----------------------|

\*Base XSD Type: string

### EquipmentType

These field(s) use this type: **EquipmentType.**

Type of equipment on the vehicle

|             |                      |
|-------------|----------------------|
| <b>Name</b> | <b>EquipmentType</b> |
|-------------|----------------------|

\*Base XSD Type: string

## Get Labor Operations

---

### ErrorCode

These field(s) use this type: **ErrorCode**.

Error Code

| Name | ErrorCode |
|------|-----------|
|------|-----------|

\*Base XSD Type: string

### ErrorText

These field(s) use this type: **ErrorText**.

Descriptive Error Text

| Name | ErrorText |
|------|-----------|
|------|-----------|

\*Base XSD Type: string

### ExpirationDate

These field(s) use this type: **ExpirationDate**.

Expiration Date

| Name | ExpirationDate |
|------|----------------|
|------|----------------|

\*Base XSD Type: date

### Expression

These field(s) use this type: **SelectExpression**.

| Name | Expression |
|------|------------|
|------|------------|

\*Base XSD Type: string

## Get Labor Operations

---

### ExpressionLanguage

| Name | ExpressionLanguage |
|------|--------------------|
|------|--------------------|

\*Base XSD Type: string

### FailureCode

These field(s) use this type: **FailureCode**.

Manufacturer-assigned code to describe the reason that a fault or symptom occurred

| Name | FailureCode |
|------|-------------|
|------|-------------|

\*Base XSD Type: string

### FailureCodeURI

These field(s) use this type: **FailureCodeURI**.

URL address for graphical image of failure code

| Name | FailureCodeURI |
|------|----------------|
|------|----------------|

\*Base XSD Type: anyURI

### FuseCavityCode

These field(s) use this type: **FuseCavityCode**.

Alternate alpha representation when the fuse cavity part is designated (stamped) by a letter

| Name | FuseCavityCode |
|------|----------------|
|------|----------------|

\*Base XSD Type: string

### ImageAlternateText



## Get Labor Operations

---

These field(s) use this type: **ImageAlternateText.**

Image alternate text. Example: "1997 Honda Accord"

| Name | ImageAlternateText |
|------|--------------------|
|------|--------------------|

\*Base XSD Type: string

### Indicator

These field(s) use this type: **DeliverPendingMailInd.**

0 = No, 1 = Yes

| Name | Indicator |
|------|-----------|
|------|-----------|

\*Base XSD Type: string

| Code Value | Description |
|------------|-------------|
| 0          |             |
| 1          |             |

### IssuingState

These field(s) use this type: **IssuingState.**

Indicates that State where the license was issued.

| Name | IssuingState |
|------|--------------|
|------|--------------|

\*Base XSD Type: string

### LaborActionCode

These field(s) use this type: **LaborActionCode.**

Manufacturer-assigned code to describe type of labor performed

## Get Labor Operations

---

| Name | LaborActionCode |
|------|-----------------|
|------|-----------------|

\*Base XSD Type: string

### LaborAdditionalHoursCode

These field(s) use this type: LaborAdditionalHoursCode.

Code for allowing flexibility for hours needed to complete a specific labor operation

| Name | LaborAdditionalHoursCode |
|------|--------------------------|
|------|--------------------------|

\*Base XSD Type: string

### LaborOpCodeChapter

These field(s) use this type: LaborOpCodeChapter.

Electronic Section number of the Flat Rate Manual CD where Labor Operation Code is found

| Name | LaborOpCodeChapter |
|------|--------------------|
|------|--------------------|

\*Base XSD Type: string

### LaborOpCodePage

These field(s) use this type: LaborOpCodePage.

Electronic page number in Flat Rate Manual CD where Labor Operation Code is found

| Name | LaborOpCodePage |
|------|-----------------|
|------|-----------------|

\*Base XSD Type: string

### LaborOperationComment

These field(s) use this type: LaborOperationComment.

## Get Labor Operations

---

Free form comment regarding the labor operation.

| Name | LaborOperationComment |
|------|-----------------------|
|------|-----------------------|

\*Base XSD Type: string

### LaborOperationIdType

These field(s) use this type: LaborOperationIdType,LaborOperationIdType.

Labor operation category code

| Name | LaborOperationIdType |
|------|----------------------|
|------|----------------------|

\*Base XSD Type: string

### LaborOperationLocation

These field(s) use this type: LaborOperationLocation,LaborOperationLocation,LaborOperationLocation.

Code Indicating Position/Location on Vehicle where labor was performed

| Name | LaborOperationLocation |
|------|------------------------|
|------|------------------------|

\*Base XSD Type: string

### LaborOperationLocationDesc

These field(s) use this type: LaborOperationLocationDesc,LaborOperationLocationDesc,LaborOperationLocationDesc.

The Labor Operation Service Location Description is a textual description of the Labor Operation Service Location code identify

| Name | LaborOperationLocationDesc |
|------|----------------------------|
|------|----------------------------|

\*Base XSD Type: string

### LaborRateType

## Get Labor Operations

---

These field(s) use this type: **LaborRateType**.

Designates labor rate type

| Name | LaborRateType |
|------|---------------|
|------|---------------|

\*Base XSD Type: string

## LaborRelationshipType

These field(s) use this type: **LaborRelationshipType**.

Identifies the relationship between the main labor operation and a related labor operation

| Name | LaborRelationshipType |
|------|-----------------------|
|------|-----------------------|

\*Base XSD Type: string

## Language

These field(s) use this type: **Language**.

Language conforms to ISO 639-2 rules. Note the format for this field is language-Country (see Country data type for the list of countries with definitions).  
AA "Afar", AB "Abkhazian", AF "Afrikaans", AM "Amharic", AR "Arabic", AS "Assamese", AY "Aymara", AZ "Azerbaijani", BA "Bashkir", BE "Byelorussian", BG "Bulgarian", BH "Bihari", BI "Bislama", BN "Bengali", BO "Tibetan", BR "Breton", CA "Catalan", CO "Corsican", CS "Czech", CY "Welsh", DA "Danish", DE "German", DZ "Bhutani", EL "Greek", EN "English", ES "Spanish", ET "Estonian", EU "Basque", FA "Persian", FI "Finnish", FJ "Fiji", FO "Faeroese", FR "French", FY "Frisian", GA "Irish", GD "Gaelic", GL "Galician", GN "Guarani", GU "Gujarati", HA "Hausa", HI "Hindi", HR "Croatian", HU "Hungarian", HY "Armenian", IK "Inupiak", IN "Indonesian", IS "Icelandic", IT "Italian", IW "Hebrew", JA "Japanese", JI "Yiddish", JW "Javanese", KA "Georgian", KK "Kazakh", KL "Greenlandic", KM "Cambodian", KN "Kannada", KO "Korean", KS "Kashmiri", KU "Kurdish", KY "Kirghiz", LA "Latin", LN "Lingala", LO "Laothian", LT "Lithuanian", LV "Latvian", LE "Lettish", MG "Malagasy", MI "Maori", MK "Macedonian", ML "Malayalam", MN "Mongolian", MO "Moldavian", MR "Marathi", MS "Malay", MT "Maltese", MY "Burmese", NA "Nauru", NE "Nepali", NL "Dutch", NO "Norwegian", OC "Occitan", OM "Oromo", OR "Oriya", PA "Punjabi", PL "Polish", PS "Pashto", PU "Pushto", PT "Portuguese", QU "Quechua", RM "Rhaeto-Romance", RN "Kirundi", RO "Romanian", RU "Russian", RW "Kinyarwanda", SA "Sanskrit", SD "Sindhi", SG "Sangro", SH "Serbo-Croatian", SI "Singhalese", SK "Slovak", SL "Slovenian", SM "Samoan", SN "Shona", SO "Somali", SQ "Albanian", SR "Serbian", SS "Siswati", ST "Sesotho", SU "Sudanese", SV "Swedish", SW "Swahili", TA "Tamil", TE "Tegulu", TG "Tajik", TH "Thai", TI "Tigrinya", TK "Turkmen", TL "Tagalog", TN "Setswana", TO "Tonga", TR "Turkish", TS "Tsonga", TT "Tatar", TW "Twi", UK "Ukrainian", UR "Urdu", UZ "Uzbek", VI "Vietnamese", WO "Wolof", XH "Xhosa", YO "Yoruba", ZH "Chinese", ZU "Zulu"

## Get Labor Operations

| Name                   | Language    |
|------------------------|-------------|
| *Base XSD Type: string |             |
| Code Value             | Description |
| en-US                  |             |
| en-CA                  |             |
| aa-ET                  |             |
| ab-GE                  |             |
| af-ZA                  |             |
| am- ET                 |             |
| ar-SA                  |             |
| as-IN                  |             |
| ay-BO                  |             |
| az-AZ                  |             |
| ba-RU                  |             |
| be-BY                  |             |
| bg-BG                  |             |
| bh-IN                  |             |
| bi-VU                  |             |
| bn-BD                  |             |
| bo-BT                  |             |
| br-FR                  |             |
| ca-ES                  |             |
| co-FR                  |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| cs-CZ      |             |
| cy-GB      |             |
| da-DE      |             |
| de-DE      |             |
| dz-BT      |             |
| el-GR      |             |
| es-ES      |             |
| et-EE      |             |
| eu-ES      |             |
| fa-AF      |             |
| fi-FI      |             |
| fj-FJ      |             |
| fo-FO      |             |
| fr-CA      |             |
| fr-FR      |             |
| fy-NL      |             |
| ga-IE      |             |
| gd-GB      |             |
| gl-ES      |             |
| gn-PY      |             |
| gu-IN      |             |
| ha-NG      |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| hi-IN      |             |
| hr-HR      |             |
| hu-HU      |             |
| hy-AM      |             |
| ik-GL      |             |
| in-ID      |             |
| is-IS      |             |
| it-IT      |             |
| iw-IL      |             |
| ja-JP      |             |
| ji-IL      |             |
| jw-ID      |             |
| ka-GE      |             |
| kk-KZ      |             |
| kl-GL      |             |
| km-KH      |             |
| kn-IN      |             |
| ko-KP      |             |
| ko-KR      |             |
| ks-IN      |             |
| ku-IQ      |             |
| ky-CN      |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| la-VA      |             |
| ln-CD      |             |
| lo-LA      |             |
| lt-LT      |             |
| lv-LV      |             |
| mg-MG      |             |
| mi-NZ      |             |
| mk-MK      |             |
| ml-IN      |             |
| mn-MN      |             |
| mo-MO      |             |
| mr-IN      |             |
| ms-MY      |             |
| mt-MH      |             |
| my-MM      |             |
| na-NR      |             |
| ne-NP      |             |
| nl-NL      |             |
| no-NO      |             |
| oc-FR      |             |
| om- ET     |             |
| or-IN      |             |



## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| pa-IN      |             |
| pl-PL      |             |
| ps-PK      |             |
| pt-PT      |             |
| qu-PE      |             |
| rm-CH      |             |
| rn-BI      |             |
| ro-RO      |             |
| ru-RU      |             |
| rw-RW      |             |
| sa-IN      |             |
| sd-PK      |             |
| sg-CF      |             |
| sh-HR      |             |
| si-LK      |             |
| sk-SK      |             |
| sl-SI      |             |
| sm-WS      |             |
| sn-ZW      |             |
| so-SO      |             |
| sq-AL      |             |
| sr-CS      |             |

## Get Labor Operations

---

| Code Value | Description |
|------------|-------------|
| ss-ZA      |             |
| st-ZA      |             |
| su-SD      |             |
| sv-SE      |             |
| sw-TL      |             |
| ta-IN      |             |
| te-IN      |             |
| tg-TJ      |             |
| th-TH      |             |
| ti-ET      |             |
| tk-TM      |             |
| tl-PH      |             |
| tn-ZA      |             |
| to-TO      |             |
| tr-TR      |             |
| ts-ZA      |             |
| tt-RU      |             |
| tw-GH      |             |
| uk-UA      |             |
| ur-PK      |             |
| uz-UZ      |             |
| vi-VN      |             |

## Get Labor Operations

| Code Value | Description |
|------------|-------------|
| wo-SN      |             |
| xh-ZA      |             |
| yo-NG      |             |
| zh-CN      |             |
| zu-ZA      |             |

## LocationDescription

Location Description

| Name | LocationDescription |
|------|---------------------|
|------|---------------------|

\*Base XSD Type: string

## MajorGroupCode

These field(s) use this type: MajorGroupCode, MajorGroupCode.

Code identifying a major group.

| Name | MajorGroupCode |
|------|----------------|
|------|----------------|

\*Base XSD Type: string

## Make

These field(s) use this type: Make.

Vehicle make code - Usually available in the VIN number (use NCIC code).

| Name | Make |
|------|------|
|------|------|

\*Base XSD Type: string

## Get Labor Operations

---

### MarketSource

These field(s) use this type: MarketSource.

Indicates marketing location of which the labor operation request is coming from

| Name | MarketSource |
|------|--------------|
|------|--------------|

\*Base XSD Type: string

### Model

These field(s) use this type: Model.

Manufacturer-assigned model code of vehicle - Usually available in the VIN number (use NCIC code)

| Name | Model |
|------|-------|
|------|-------|

\*Base XSD Type: string

### ModelDescription

These field(s) use this type: ModelDescription.

Descriptive vehicle model name

| Name | ModelDescription |
|------|------------------|
|------|------------------|

\*Base XSD Type: string

### ModelYear

These field(s) use this type: ModelYear.

Vehicle designated model year

| Name | ModelYear |
|------|-----------|
|------|-----------|

\*Base XSD Type: gYear

## Get Labor Operations

---

### Name

Name of the Party.

| Name | Name |
|------|------|
|------|------|

\*Base XSD Type: string

### Note

A free form note.

| Name | Note |
|------|------|
|------|------|

\*Base XSD Type: string

### OperationUsage

These field(s) use this type: OperationUsage.

Operation Usage comments (e.g. Overlapping information)

| Name | OperationUsage |
|------|----------------|
|------|----------------|

\*Base XSD Type: string

### PartType

These field(s) use this type: PartType.

Specifies whether the parts are indicated by manufacturer part code or Part Number - H = Manufacturer Part Code, P = Part Number

| Name | PartType |
|------|----------|
|------|----------|

\*Base XSD Type: string

| Code Value | Description            |
|------------|------------------------|
| H          | Manufacturer Part Code |

## Get Labor Operations

| Code Value | Description   |
|------------|---------------|
| P          | "P" = Pending |

### PriorWorkAuthorizationInd

These field(s) use this type: **PriorWorkAuthorizationInd**.

Indicates that if this labor operation is used, the claim requires authorization

| Name                   | PriorWorkAuthorizationInd |
|------------------------|---------------------------|
| *Base XSD Type: string |                           |
| Code Value             | Description               |
| 0                      |                           |
| 1                      |                           |

### Reference

These field(s) use this type: **ReferenceId**.

Reference notation

| Name                   | Reference |
|------------------------|-----------|
| *Base XSD Type: string |           |

### ReferenceNumber

Reference number

| Name                   | ReferenceNumber |
|------------------------|-----------------|
| *Base XSD Type: string |                 |

## Get Labor Operations

---

### RepairOrderOpenedDate

These field(s) use this type: **RepairOrderOpenedDate**.

System date when Repair Order was opened

| Name | RepairOrderOpenedDate |
|------|-----------------------|
|------|-----------------------|

\*Base XSD Type: date

### RepeatRepairInd

These field(s) use this type: **RepeatRepairInd**.

Identifies repair as having been performed previously on the vehicle

| Name | RepeatRepairInd |
|------|-----------------|
|------|-----------------|

\*Base XSD Type: string

| Code Value | Description |
|------------|-------------|
|------------|-------------|

|   |  |
|---|--|
| 0 |  |
|---|--|

|   |  |
|---|--|
| 1 |  |
|---|--|

### Request

These field(s) use this type: **Request**.

Type of request

| Name | Request |
|------|---------|
|------|---------|

\*Base XSD Type: string

| Code Value | Description |
|------------|-------------|
|------------|-------------|

|          |  |
|----------|--|
| Complete |  |
|----------|--|

|         |  |
|---------|--|
| Changes |  |
|---------|--|

## Get Labor Operations

---

### SecondaryPassword

These field(s) use this type: SecondaryPassword.

Secondary password used to validate access to the dealer information

| Name | SecondaryPassword |
|------|-------------------|
|------|-------------------|

\*Base XSD Type: string

### SelfAuthorization

These field(s) use this type: SelfAuthorization.

This code indicates whether or not a dealer is allowed to authorize claims

| Name | SelfAuthorization |
|------|-------------------|
|------|-------------------|

\*Base XSD Type: string

### ShortMfg

These field(s) use this type: SenderNameCode, DestinationNameCode.

Short Manufacturer or RSP Codes

| Name | ShortMfg |
|------|----------|
|------|----------|

\*Base XSD Type: string

### StateOrProvince

Is the State or Province of a given Address.

| Name | StateOrProvince |
|------|-----------------|
|------|-----------------|

\*Base XSD Type: string



## Get Labor Operations

---

### SubletInvoiceNumberInd

These field(s) use this type: **SubletInvoiceNumberInd.**

Indicates whether an invoice number is required

| Name SubletInvoiceNumberInd |             |
|-----------------------------|-------------|
| *Base XSD Type: string      |             |
| Code Value                  | Description |
| 0                           |             |
| 1                           |             |

### SystemVersion

These field(s) use this type: **SystemVersion.**

The sender's software version number .

| Name SystemVersion     |  |
|------------------------|--|
| *Base XSD Type: string |  |

### TechnicianSkillArea

These field(s) use this type: **TechnicianSkillArea.**

Type of training required to perform the labor operation

| Name TechnicianSkillArea |  |
|--------------------------|--|
| *Base XSD Type: string   |  |

### TechnicianSkillLevel

These field(s) use this type: **TechnicianSkillLevel.**

## Get Labor Operations

---

Level of training required to perform the labor operation

| Name | TechnicianSkillLevel |
|------|----------------------|
|------|----------------------|

\*Base XSD Type: string

### Text

These field(s) use this type:

**CreatorNameCode,StoreNumber,AreaNumber>Password,DestinationSoftwareCode,DestinationSoftware,StoreNumber,AreaNumber,LogicalId,Component,T**

Indicates generic text type

| Name | Text |
|------|------|
|------|------|

\*Base XSD Type: string

### TransmissionType

These field(s) use this type: **TransmissionType**.

Vehicle Transmission type - 3 = 3 speed, 4 = 4 speed, 5 = 5 speed, 6 = 6 speed, A - Automatic

| Name | TransmissionType |
|------|------------------|
|------|------------------|

\*Base XSD Type: string

| Code Value  | Description                         |
|-------------|-------------------------------------|
| 3           | 3 Speed                             |
| 4           | 4 Speed                             |
| 5           | 5 Speed                             |
| 6           | 6 Speed                             |
| A           | "A" = Automatic                     |
| Automatic 3 | Automatic 3 speed transmission type |
| Automatic 4 | Automatic 4 speed transmission type |

## Get Labor Operations

| Code Value      | Description   |
|-----------------|---|
| Automatic 5     | Automatic 5 speed transmission type   |
| Automatic 6     | Automatic 6 speed transmission type   |
| Automatic 7     | Automatic 7 speed transmission type   |
| 7               | 7 Speed   |
| CVT Automatic 3 | Continuously Variable T ransmission Automatic 3 speed transmission type (natural gas and hybrid). |
| CVT Automatic 4 | Continuously Variable T ransmission Automatic 4 speed transmission type (natural gas and hybrid). |
| CVT Automatic 5 | Continuously Variable T ransmission Automatic 5 speed transmission type (natural gas and hybrid). |
| CVT Automatic 6 | Continuously Variable T ransmission Automatic 6 speed transmission type (natural gas and hybrid). |
| CVT Automatic 7 | Continuously Variable T ransmission Automatic 7 speed transmission type (natural gas and hybrid). |
| M               | M = Manual  |

## Type

Type

| Name | Type |
|------|------|
|------|------|

\*Base XSD Type: string

## URI

These field(s) use this type: URI,SenderURI,DestinationURI.

URI

## Get Labor Operations

---

| Name | URI |
|------|-----|
|------|-----|

\*Base XSD Type: anyURI

### VDSCode

These field(s) use this type: VDSCode.

Vehicle Description Section- part of the VIN that correlates to a specific vehicle model, bodystyle, and grade

| Name | VDSCode |
|------|---------|
|------|---------|

\*Base XSD Type: string

### VehicleApplicable

These field(s) use this type: VehicleApplicable,VehicleApplicable,VehicleApplicable.

Indicates whether this applies to a vehicle as built or equipped.

| Name | VehicleApplicable |
|------|-------------------|
|------|-------------------|

\*Base XSD Type: string

### VehicleRestricted

These field(s) use this type: VehicleRestricted,VehicleRestricted,VehicleRestricted.

Indicates whether restricted for a vehicle.

| Name | VehicleRestricted |
|------|-------------------|
|------|-------------------|

\*Base XSD Type: string

### VIN

These field(s) use this type: VIN.

## Get Labor Operations

---

Federally defined 17 position vehicle identification number

| Name | VIN |
|------|-----|
|------|-----|

\*Base XSD Type: string

### WarrantyTypeCode

These field(s) use this type: WarrantyTypeCode.

A code used to classify into coverage categories.

| Name | WarrantyTypeCode |
|------|------------------|
|------|------------------|

\*Base XSD Type: string

### WMICode

These field(s) use this type: WMICode.

World Manufacture Identifier - part of the VIN that describes the vehicle's country of origin

| Name | WMICode |
|------|---------|
|------|---------|

\*Base XSD Type: string

### Year

Year

| Name | Year |
|------|------|
|------|------|

\*Base XSD Type: gYear

### Fields and Global Attributes

Global declarations are items such as elements, attribute groups, and group definitions. These items are not defined within any particular component. A component may reference these definitions. Within a STAR XML Schemas these are typically known as global fields.

#### ApplicationArea

These field(s) use this type: **ApplicationArea**.

Provides the information that an application may need to know in order to communicate in an integration of two or more business applications. The ApplicationArea is used at the applications layer of communication. While the integration frameworks web services and middleware provide the communication layer that OAGIS operates on top of.

Provides the information that an application may need to know in order to communicate in an integration of two or more business applications. The ApplicationArea is used at the applications layer of communication. While the integration frameworks web services and middleware provide the communication layer that OAGIS operates on top of.

|                 |                        |
|-----------------|------------------------|
| <b>Name</b>     | <b>ApplicationArea</b> |
| <b>Type</b>     | <b>ApplicationArea</b> |
| <b>Nilable</b>  | <b>no</b>              |
| <b>Abstract</b> | <b>no</b>              |

#### XML Instance Representation

```
<ApplicationArea>
  <Sender> Sender </Sender> [1]
  <CreationDateTime> DateTime </CreationDateTime> [1]
  <Signature> Signature </Signature> [0..1]
  <BODId> Code </BODId> [0..1]
  <Destination> Destination </Destination> [1]
</ApplicationArea>
```

#### Get

These field(s) use this type: **Get**.

## Get Labor Operations

The Get verb is to communicate to a business software component a request for an existing piece of information to be returned. The Get may be paired with most of the nouns defined in the OAGIS specification. The response to this request is the Show verb. The behavior of a BOD with a Get verb is quite predictable across most of the nouns it may be paired with. The Get is designed to retrieve a single piece of information by using that information's primary retrieval field, or key field. The Get verb is not used to request several documents at once. The GetList verb is designed to achieve that purpose and will be covered in more detail later.

**Selection Criteria:** There are two types of selection capabilities for most BOD's that use the Get verb.

- 1) The first selection capability is called Field-Based Selection. Within a Get-based Business Object Document, the first Data Type that occurs in a specific BOD structure is commonly used to provide the Field-Based Selection criteria. This is always defined within the specific BOD and is commonly the required fields for that specific Data type. The Field-Based Selection enables the requester to provide a value or values (in the case of multiple required Field Identifiers), in the required fields. Then the responding component uses those values to find and return the requested information to the originating business software component.
- 2) The second type of selection capability for Get-based BODs is called Data Type Selection. Data Type selection enables the requester to identify which Data Types within the noun are requested to be returned in the response. The use of this capability is described for each corresponding Data Type for all BODs that use the Get verb. The Data Types are identified for retrieval within the Get instance of a BOD by including the name of the Data Type in the meta data but without any Field Identifiers or Segments identified within the Data Type. This will signify to the responding application that all of the data that corresponds to that Data Type is to be included in the response. If the Data Type is not requested, the Data Type identifier is not included in the Get request and this will signify to the responding component that the Data Type is not to be returned.

|                 |            |
|-----------------|------------|
| <b>Name</b>     | <b>Get</b> |
| <b>Type</b>     | <b>Get</b> |
| <b>Nilable</b>  | <b>no</b>  |
| <b>Abstract</b> | <b>no</b>  |

### XML Instance Representation

```
<Get
confirm="ConfirmType [0..1]"
show="Always [1]">
  <ReturnCriteria> ... </ReturnCriteria> [1]
</Get>
```

## GetLaborOperations

These field(s) use this type: [GetLaborOperations](#).

|             |                           |
|-------------|---------------------------|
| <b>Name</b> | <b>GetLaborOperations</b> |
| <b>Type</b> | <b>GetLaborOperations</b> |

## Get Labor Operations

|                 |           |
|-----------------|-----------|
| <b>Niltable</b> | <b>no</b> |
| <b>Abstract</b> | <b>no</b> |

### XML Instance Representation

```
<GetLaborOperations  
revision="Text [0..1]"  
release="8.1-Lite [0..1]"  
environment="Text [0..1]"  
lang="Language [0..1]"  
bodVersion="Text [0..1]">  
  <ApplicationArea> ... </ApplicationArea> [1]  
  <DataArea> GetLaborOperationsDataArea </DataArea> [1]  
</GetLaborOperations>
```

### Header

|                 |                              |
|-----------------|------------------------------|
| <b>Name</b>     | <b>Header</b>                |
| <b>Type</b>     | <b>LaborOperationsHeader</b> |
| <b>Niltable</b> | <b>no</b>                    |
| <b>Abstract</b> | <b>no</b>                    |

### XML Instance Representation

```
<Header>  
  <DocumentDateTime> DocumentDateTime </DocumentDateTime> [0..1]  
  <SecondaryPassword> SecondaryPassword </SecondaryPassword> [0..1]  
  <SecondaryDealerNumber> SecondaryDealerNumber </SecondaryDealerNumber> [0..1]  
  <RepairOrderOpenedDate> RepairOrderOpenedDate </RepairOrderOpenedDate> [0..1]  
  <LaborOperationId> LaborOperationId </LaborOperationId> [0..1]  
  <LaborOperationDescription> LaborOperationDescription </LaborOperationDescription> [0..1]  
  <ItemId> ItemId </ItemId> [0..1]  
  <ItemIdDescription> ItemIdDescription </ItemIdDescription> [0..1]  
  <PartType> PartType </PartType> [0..1]  
  <DeliveryType> DeliveryType </DeliveryType> [0..1]
```



## Get Labor Operations

```
<Request> Request </Request> [0..1]
<MajorGroupCode> MajorGroupCode </MajorGroupCode> [0..1]
<MajorGroupDesc> MajorGroupDesc </MajorGroupDesc> [0..1]
<ComponentGroupCode> ComponentGroupCode </ComponentGroupCode> [0..1]
<ComponentGroupDesc> ComponentGroupDesc </ComponentGroupDesc> [0..1]
<ComponentCode> ComponentCode </ComponentCode> [0..1]
<ComponentCodeDesc> ComponentCodeDesc </ComponentCodeDesc> [0..1]
<LaborAllowanceHours> LaborAllowanceHours </LaborAllowanceHours> [0..1]
<LaborOperationIdType> LaborOperationIdType </LaborOperationIdType> [0..1]
<LaborOperationIdTypeDesc> LaborOperationIdTypeDesc </LaborOperationIdTypeDesc> [0..1]
<LaborRateType> LaborRateType </LaborRateType> [0..1]
<SubletInvoiceNumberInd> SubletInvoiceNumberInd </SubletInvoiceNumberInd> [0..1]
<RepeatRepairInd> RepeatRepairInd </RepeatRepairInd> [0..1]
<LaborActionCode> LaborActionCode </LaborActionCode> [0..1]
<LaborActionDescription> LaborActionDescription </LaborActionDescription> [0..1]
<LaborOperationLocation> LaborOperationLocation </LaborOperationLocation> [0..1]
<LaborOperationLocationDesc> LaborOperationLocationDesc </LaborOperationLocationDesc> [0..1]
<VehicleApplicable> VehicleApplicable </VehicleApplicable> [0..1]
<VehicleRestricted> VehicleRestricted </VehicleRestricted> [0..1]
<LaborOperationComment> LaborOperationComment </LaborOperationComment> [0..1]
<CampaignNumber> CampaignNumber </CampaignNumber> [0..1]
<WarrantyTypeCode> WarrantyTypeCode </WarrantyTypeCode> [0..1]
<PartsAmountLimit> PartsAmountLimit </PartsAmountLimit> [0..1]
<DuplicateAllowed> DuplicateAllowed </DuplicateAllowed> [0..1]
<MajorGroup> MajorGroup </MajorGroup> [0..*]
</Header>
```

### LaborOperations

These field(s) use this type: **LaborOperations**.

|                 |                        |
|-----------------|------------------------|
| <b>Name</b>     | <b>LaborOperations</b> |
| <b>Type</b>     | <b>LaborOperations</b> |
| <b>Niltable</b> | <b>no</b>              |
| <b>Abstract</b> | <b>no</b>              |

## Get Labor Operations

---

### XML Instance Representation

```
<LaborOperations>
  <Header> ... </Header> [1]
  <Vehicle> LaborOperationsVehicle </Vehicle> [0..*]
  <Employee> Employee </Employee> [0..1]
  <TechnicianSkill> TechnicianSkill </TechnicianSkill> [0..*]
  <ImageAttachment> ImageAttachment </ImageAttachment> [0..*]
  <RelatedLabor> RelatedLabor </RelatedLabor> [0..*]
  <MarketSpecific> MarketSpecific </MarketSpecific> [0..*]
  <FailureCodes> FailureCodes </FailureCodes> [0..*]
  <DamageArea> DamageArea </DamageArea> [0..*]
  <Category> Category </Category> [0..*]
  <TransError> TransError </TransError> [0..*]
</LaborOperations>
```

### Verb

These field(s) use this type: **Verb**.

|                 |             |
|-----------------|-------------|
| <b>Name</b>     | <b>Verb</b> |
| <b>Type</b>     | <b>Verb</b> |
| <b>Nilable</b>  | <b>no</b>   |
| <b>Abstract</b> | <b>yes</b>  |

### XML Instance Representation

```
<Verb/>
```

