Implementation Guidelines
Show Service Processing Advisory
Repository Version Rev4.5.4

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Show Service Processing Advisory Guidelines

Overview

This document is a guideline on how to use the Show Service Processing Advisory Business Object Document (BOD). Show Service Processing Advisory has been defined in the context of STAR for the Automotive Retail Industry. The scope of this BOD is to define the Show Service Processing Advisory 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 Show Service Processing Advisory, this BOD could be used to send Show Service Processing Advisory information between any two business parties.

Implementation Guidelines provide detailed information regarding the structure and meaning of the Show Service Processing Advisory BOD and corresponds directly to the Show Service Processing Advisory 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 Show Service Processing Advisory Implementation Guidelines must be used in concert with the Show Service Processing Advisory 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 Show Service Processing Advisory schema, please download the appropriate STAR schema repository from the XML portion of the STAR website (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 Show Service Processing Advisory BOD. Where possible, STAR has mapped to existing OAGI fields and components. Note however that the STAR Show Service Processing Advisory 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).

Schema Field Usage

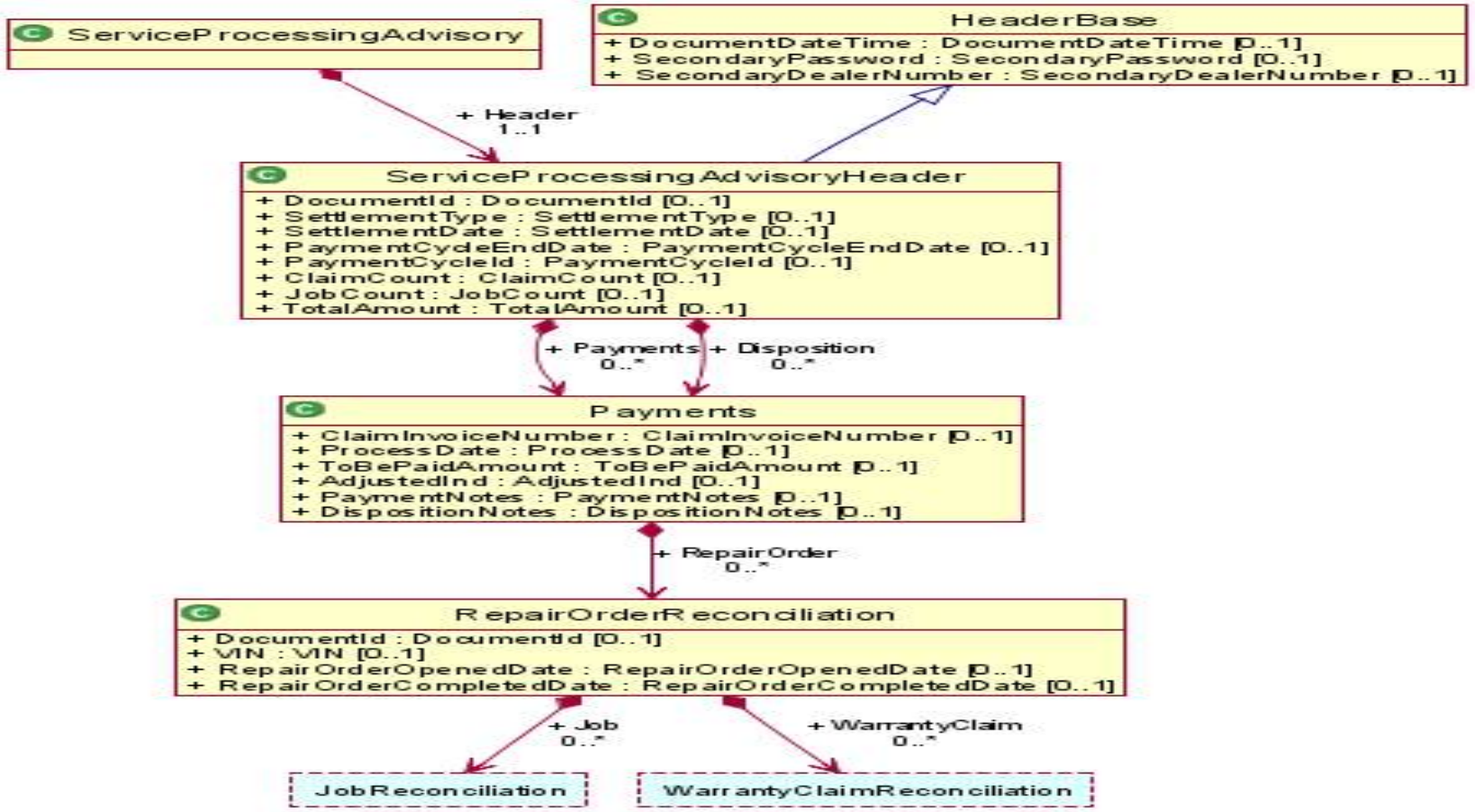
STAR uses the same Noun in the schema for all the Noun/Verb combinations of the Show Service Processing Advisory except the Get verb. Please refer to each Noun/Verb combination within this document to understand the requirements for each specific BOD. Although the Noun will always have every field defined 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.

Business Scenario

The Service Processing Advisory Binary Collaboration starts with the sending of Service Processing Advisory information from the OEM to the Dealer. This process occurs on demand as needed. Note: This scenario is an example of how the Service Processing Advisory BOD can be used. Implemenations may vary.

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
Default namespace	http://www.starstandards.org/STAR
xml	http://www.w3.org/XML/1998/namespace
xsd	http://www.w3.org/2001/XMLSchema

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.

AdjustedAmount

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

Amount of adjustment

Name	**AdjustedAmount**
Abstract	**no**

XML Instance Representation

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

AdjustmentReason

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

Name	**AdjustmentReason**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
AdjustedReason	Free form text of reason(s) Claim was adjusted	O	
AdjustedAmount	Difference between the submitted amount and the paid amount	O	

Field / Component	Description	R/O	Business Rule
Tax	Amount of tax on Adjusted Amount	O	Values: Adjustment

XML Instance Representation

```
<...>
   <AdjustedReason> AdjustedReason </AdjustedReason> [0..1]
   <AdjustedAmount> AdjustedAmount </AdjustedAmount> [0..1]
   <Tax> Tax </Tax> [0..*]
</...>
```

Amount

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

Name	**Amount**
Abstract	**no**

Attributes

Field / Component	Description	R/O	Business Rule
currency		R	

XML Instance Representation

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

ApplicationArea

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

Name	**ApplicationArea**

Show Service Processing Advisory

Abstract	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
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	
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	

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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]
</...>
```

ApprovedAmount

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

Amount pre-approved

Name	**ApprovedAmount**
Abstract	**no**

XML Instance Representation

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

BusinessObjectDocument

Name	**BusinessObjectDocument**
Abstract	**no**

Attributes

Show Service Processing Advisory

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

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]
</...>
```

ClaimCount

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

Identifies the total number of Claims

Name	**ClaimCount**
Abstract	**no**

XML Instance Representation

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

ConfirmableVerb

Name	**ConfirmableVerb**
Abstract	**no**

Attributes

Field / Component	Description	R/O	Business Rule
confirm		R	

Data Elements and Components

Show Service Processing Advisory

Field / Component	Description	R/O	Business Rule
Verb		R	

XML Instance Representation

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

Count

Simple quantity type with no attributes

Name	**Count**
Abstract	**no**

XML Instance Representation

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

DealerContributionAmount

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

The dealer's contribution and or copay amount factored out of the total amount

Name	**DealerContributionAmount**
Abstract	**no**

XML Instance Representation

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

DeductibleAmount

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

The Customer Deductible and/or Co/pay amount Amount. Eg:$50.00

Name	**DeductibleAmount**
Abstract	**no**

XML Instance Representation

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

Description

Description

Name	**Description**
Abstract	**no**

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

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

Name	Destination
Abstract	no

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 http://www.starstandards.org
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 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 to which a message is being sent, e.g., an inventory service.	O	

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]
</...>
```

DispositionReason

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

Name	**DispositionReason**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
DispositionStatus	Disposition of request Ex: Rejected, Partial Payment, etc.)	O	
DispositionReasonCode	Substantiating reason for arriving at disposition	O	
DispositionReasonCodeDesc	Description of disposition Reason code	O	

XML Instance Representation

```
<...>
   <DispositionStatus> DispositionStatus </DispositionStatus> [0..1]
   <DispositionReasonCode> DispositionReasonCode </DispositionReasonCode> [0..1]
   <DispositionReasonCodeDesc> DispositionReasonCodeDesc </DispositionReasonCodeDesc> [0..1]
```

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

DispositionReasonCodeDesc

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

Description of disposition Reason code

Name	**DispositionReasonCodeDesc**
Abstract	**no**

XML Instance Representation

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

DocumentId

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

Is the identifier for the document.

Name	**DocumentId**
Abstract	**no**

XML Instance Representation

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

HeaderBase

Used on all STAR BODs

Name	**HeaderBase**

Abstract	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	
SecondaryPassword	Secondary password used to validate access to the dealer information	O	
SecondaryDealerNumber	Identifies secondary dealer number if different than primary "Dealer Number"	O	

XML Instance Representation

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

Id

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

Party Identification number

Name	Id
Abstract	no

XML Instance Representation

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

JobCount

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

Identifies the total number of jobs

Name	**JobCount**
Abstract	**no**

XML Instance Representation

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

JobReconciliation

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

Name	**JobReconciliation**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
JobNumber	DMS assigned job or line identification number	O	
OperationId	Dealer or DMS assigned operation code identifier	O	
AdjustedInd	Indicates that the final payment Amount was adjusted from the original submission amount during processing	O	Values: 1 - Yes, 0 - No
ApprovedAmount	Total Payment amount approved	O	
LaborAmount	Labor portion of total approved amount	O	
PartsAmount	Parts portion of total approved amount	O	
OtherAmount	Everything that is not included in total approved amount such as sublets, GOG, transportation, towing, etc.	O	

Field / Component	Description	R/O	Business Rule
Tax	Amount of job tax for total, labor, parts, prorated and other.	O	Values: Total, Labor, Parts, Prorated, Other
ProratedAmount	Total payment amount after application of Customer pay Deductible and/or Co/pay amounts	O	
AdjustmentReason	Reason that adjustment was made on request	O	
DispositionReason	Reason that disposition was changed on request	O	
WarrantyClaim	Warranty Claim information associated with Job	O	
ClaimType	Identifier of the type of claim the job is associated with.	O	Use when multiple jobs with varying claim types exists in one claim.
PaidAmount	Total paid amount without deductions and/or co-pay amounts.	O	

XML Instance Representation

```
<...>
   <JobNumber> JobNumber </JobNumber> [0..1]
   <OperationId> OperationId </OperationId> [0..1]
   <AdjustedInd> AdjustedInd </AdjustedInd> [0..1]
   <ApprovedAmount> ApprovedAmount </ApprovedAmount> [0..1]
   <LaborAmount> LaborAmount </LaborAmount> [0..1]
   <PartsAmount> PartsAmount </PartsAmount> [0..1]
   <OtherAmount> OtherAmount </OtherAmount> [0..1]
   <Tax> Tax </Tax> [0..*]
   <ProratedAmount> ProratedAmount </ProratedAmount> [0..1]
   <AdjustmentReason> AdjustmentReason </AdjustmentReason> [0..*]
   <DispositionReason> DispositionReason </DispositionReason> [0..*]
   <WarrantyClaim> WarrantyClaimReconciliation </WarrantyClaim> [0..*]
   <ClaimType> ClaimType </ClaimType> [0..1]
   <PaidAmount> PaidAmount </PaidAmount> [0..1]
</...>
```

LaborAmount

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

Labor Amount

Name	**LaborAmount**
Abstract	**no**

XML Instance Representation

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

LocationId

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

Code identifying a physical location

Name	**LocationId**
Abstract	**no**

XML Instance Representation

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

NonTaxableAmount

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

Total non-taxable price.

Name	**NonTaxableAmount**
Abstract	**no**

XML Instance Representation

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

OperationId

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

Dealer or DMS assigned operation code identifier

Name	OperationId
Abstract	no

XML Instance Representation

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

OtherAmount

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

Other Amount

Name	OtherAmount
Abstract	no

XML Instance Representation

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

PaidAmount

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

Total paid amount without deductions and/or co-pay amounts.

Name	**PaidAmount**
Abstract	**no**

XML Instance Representation

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

PartsAmount

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

Parts Amount

Name	**PartsAmount**
Abstract	**no**

XML Instance Representation

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

PartyId

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

Party Identification Number

Name	**PartyId**

Abstract	no

XML Instance Representation

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

PaymentCycleId

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

Identifies a Payment Cycle

Name	PaymentCycleId
Abstract	no

XML Instance Representation

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

Payments

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

Name	Payments
Abstract	no

Data Elements and Components

Field / Component	Description	R/O	Business Rule
ClaimInvoiceNumber	Invoice number that Claim was paid from	O	
ProcessDate	Effective date of process	O	YYYY-MM-DD

Field / Component	Description	R/O	Business Rule
ToBePaidAmount	Amount paid on Warranty Claim, not necessarily the amount claimed	O	
AdjustedInd	Indicates that the final payment Amount was adjusted from the original submission amount during processing	O	Values: 1 - Yes, 0 - No
RepairOrder	Repair Order information associated with a Payment/Disposition.	O	
PaymentNotes	Notes from OEM to dealer regarding this payment	O	
DispositionNotes	Notes from OEM to dealer regarding disposition of this request	O	

XML Instance Representation

```
<...>
   <ClaimInvoiceNumber> ClaimInvoiceNumber </ClaimInvoiceNumber> [0..1]
   <ProcessDate> ProcessDate </ProcessDate> [0..1]
   <ToBePaidAmount> ToBePaidAmount </ToBePaidAmount> [0..1]
   <AdjustedInd> AdjustedInd </AdjustedInd> [0..1]
   <RepairOrder> RepairOrderReconciliation </RepairOrder> [0..*]
   <PaymentNotes> PaymentNotes </PaymentNotes> [0..1]
   <DispositionNotes> DispositionNotes </DispositionNotes> [0..1]
</...>
```

Percent

Percent

Name	**Percent**
Abstract	**no**

XML Instance Representation

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

ProratedAmount

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

Prorated Amount

Name	**ProratedAmount**
Abstract	**no**

XML Instance Representation

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

RepairOrderReconciliation

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

Name	**RepairOrderReconciliation**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
DocumentId	Repair Order Number - Identification number of repair order assigned by dealer or DMS	O	
VIN	Federally defined 17 position vehicle identification number	O	
RepairOrderOpenedDate	System date when Repair Order was opened	O	
RepairOrderCompletedDate	The date the last line was closed on the repair order	O	
Job	Job information associated with a Repair Order	O	
WarrantyClaim	Warranty Claim information associated with a Repair Order	O	

XML Instance Representation

```
<...>
   <DocumentId> DocumentId </DocumentId> [0..1]
   <VIN> VIN </VIN> [0..1]
   <RepairOrderOpenedDate> RepairOrderOpenedDate </RepairOrderOpenedDate> [0..1]
   <RepairOrderCompletedDate> RepairOrderCompletedDate </RepairOrderCompletedDate> [0..1]
   <Job> JobReconciliation </Job> [0..*]
   <WarrantyClaim> WarrantyClaimReconciliation </WarrantyClaim> [0..*]
</...>
```

ResponseVerb

Name	**ResponseVerb**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
Verb		R	
OriginalBODId		O	

XML Instance Representation

```
<...
confirm="ConfirmType [0..1]">
   <OriginalBODId> xsd:NMTOKEN </OriginalBODId> [0..1]
</...>
```

SecondaryDealerNumber

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

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

Name	**SecondaryDealerNumber**
Abstract	**no**

XML Instance Representation

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

Sender

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

Name	**Sender**
Abstract	**no**

Data Elements and Components

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	R	
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	

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Field / Component	Description	R/O	Business Rule
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	Identifyies the authorization level of the user or application that is sending the Business Object Document Message. This authorization level being recognized be 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 http://www.starstandards.org
SenderURI	Physical address of the sender	O	
DealerNumber	Dealer Code of source of information	O	DealerNumber is Required if originating from the DMS.
StoreNumber	Dealer code store number (DMS assigned)	O	
AreaNumber	Dealer code area number (DMS vendor assigned)	O	
DealerCountry	Source Dealer country location	O	
Language	This code is used to define the language of the data used in this transaction	O	
DeliverPendingMailInd	Indicates if the user requests to receive pending mail that has been stored 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	
Password	Token for application specific authentication. Used to authenticate dealership/users through application specific security	O	
SystemVersion	The sender's software version number.	O	

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Field / Component	Description	R/O	Business Rule
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]
   <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

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	R	
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	

Field / Component	Description	R/O	Business Rule
AuthorizationId	Identifyies the authorization level of the user or application that is sending the Business Object Document Message. This authorization level being recognized be 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]
   <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.

Name	**ServiceId**
Abstract	**no**

XML Instance Representation

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

ServiceProcessingAdvisory

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

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 8/7/2002; OAGI approved 8/16/2002; effective date 1/01/2003

Name	**ServiceProcessingAdvisory**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
Header		R	

XML Instance Representation

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

ServiceProcessingAdvisoryHeader

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

.

Name	**ServiceProcessingAdvisoryHeader**
Abstract	**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	
SecondaryPassword	Secondary password used to validate access to the dealer information	O	
SecondaryDealerNumber	Identifies secondary dealer number if different than primary "Dealer Number"	O	

Show Service Processing Advisory

Field / Component	Description	R/O	Business Rule
DocumentId	The unique identifer of the settlement instrument EX: Check Number	O	
SettlementType	Method that was used for settlement transfer of funds	O	
SettlementDate	Date that funds are transferred between the OEM and the Dealer	O	YYYY-MM-DD
PaymentCycleEndDate	Ending date of Payment Cycle	O	YYYY-MM-DD
PaymentCycleId	Identifies a Payment Cycle	O	
ClaimCount	Identifies the total number of Claims within the Payment Cycle.	O	
JobCount	Identifies the total number of jobs within the Payment Cycle.	O	
TotalAmount	Identifies the total amount of the Payment Cycle.	O	
Payments	Contains Information for request that was submitted. This component may contain additional sub-components with detail on request for payment.	O	
Disposition	Contains Information for request that was submitted. This component may contain additional sub-components with detail on reason for change in disposition of request for payment.	O	

XML Instance Representation

```
<...>
   <DocumentDateTime> DocumentDateTime </DocumentDateTime> [0..1]
   <SecondaryPassword> SecondaryPassword </SecondaryPassword> [0..1]
   <SecondaryDealerNumber> SecondaryDealerNumber </SecondaryDealerNumber> [0..1]
   <DocumentId> DocumentId </DocumentId> [0..1]
   <SettlementType> SettlementType </SettlementType> [0..1]
   <SettlementDate> SettlementDate </SettlementDate> [0..1]
   <PaymentCycleEndDate> PaymentCycleEndDate </PaymentCycleEndDate> [0..1]
   <PaymentCycleId> PaymentCycleId </PaymentCycleId> [0..1]
   <ClaimCount> ClaimCount </ClaimCount> [0..1]
   <JobCount> JobCount </JobCount> [0..1]
   <TotalAmount> TotalAmount </TotalAmount> [0..1]
   <Payments> Payments </Payments> [0..*]
```

```
   <Disposition> Payments </Disposition> [0..*]
</...>
```

Show

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

Name	Show
Abstract	no

Data Elements and Components

Field / Component	Description	R/O	Business Rule
Verb		R	
OriginalBODId		O	

XML Instance Representation

```
<...
confirm="ConfirmType [0..1]">
   <OriginalBODId> xsd:NMTOKEN </OriginalBODId> [0..1]
</...>
```

ShowServiceProcessingAdvisory

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

Name	ShowServiceProcessingAdvisory
Abstract	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> ShowServiceProcessingAdvisoryDataArea </DataArea> [1]
</...>
```

ShowServiceProcessingAdvisoryDataArea

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

Name	**ShowServiceProcessingAdvisoryDataArea**
Abstract	**no**

Data Elements and Components

Show Service Processing Advisory

Field / Component	Description	R/O	Business Rule
Show	The Show verb is used when sending the information about a specific instance of a business document or entity. The Show verb may be used to respond to a Get request or it can be used in a publish scenario, where it pushes information to other applications based on a business event.Although BODs based on this verb do not commonly cause updates to occur, there may be times when the component receiving the Show decides to use the information it receives to update. This is entirely the decision of the receiving software component and is not forbidden.The behavior of the Show verb is quite straight forward with one exception. The Show response to any Get request needs to read the request carefully to ensure the response is returning the requested Data Types.	R	
ServiceProcessingAdvisory		R	

XML Instance Representation

```
<...>
   <Show> ... </Show> [1]
   <ServiceProcessingAdvisory> ... </ServiceProcessingAdvisory> [1..*]
</...>
```

Signature

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

Name	**Signature**
Abstract	**no**

Attributes

Field / Component	Description	R/O	Business Rule
qualifyingAgency		O	

Data Elements and Components

Field / Component	Description	R/O	Business Rule

XML Instance Representation

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

Tax

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

Name	**Tax**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
TaxType	Identifies the type tax.	R	
TaxDescription	Free form text description of tax amount.	O	
TaxAmount	Actual amount of tax paid.	O	
UnitSalesTaxAmount	Unit amount of sales tax.	O	
TaxRate	Tax Percentage Rate	O	
TotalTaxableAmount	Total taxble price	O	
NonTaxableAmount	Total non-taxble price	O	
TaxTypeId	Tax type identification	O	
TaxabilityInd	Determines whether the dealer wants to claim tax on the cost.	O	

XML Instance Representation

```
<...>
```

```
   <TaxType> TaxType </TaxType> [1]
   <TaxDescription> TaxDescription </TaxDescription> [0..1]
   <TaxAmount> TaxAmount </TaxAmount> [0..1]
   <UnitSalesTaxAmount> UnitSalesTaxAmount </UnitSalesTaxAmount> [0..1]
   <TaxRate> TaxRate </TaxRate> [0..1]
   <TotalTaxableAmount> TotalTaxableAmount </TotalTaxableAmount> [0..1]
   <NonTaxableAmount> NonTaxableAmount </NonTaxableAmount> [0..1]
   <TaxTypeId> TaxTypeId </TaxTypeId> [0..1]
   <TaxabilityInd> TaxabilityInd </TaxabilityInd> [0..1]
</...>
```

TaxAmount

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

Actual amount of tax paid.

Name	TaxAmount
Abstract	no

XML Instance Representation

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

TaxDescription

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

Free form text description of tax amount.

Name	TaxDescription
Abstract	no

XML Instance Representation

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

TaxRate

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

Tax Percentage rate.

Name	**TaxRate**
Abstract	**no**

XML Instance Representation

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

ToBePaidAmount

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

Amount to be paid

Name	**ToBePaidAmount**
Abstract	**no**

XML Instance Representation

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

TotalAmount

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

Total price (cost + markup)

Name	**TotalAmount**
Abstract	**no**

XML Instance Representation

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

TotalTaxableAmount

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

Total taxable price.

Name	**TotalTaxableAmount**
Abstract	**no**

XML Instance Representation

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

UnitSalesTaxAmount

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

Unit amount of sales tax.

Name	**UnitSalesTaxAmount**
Abstract	**no**

XML Instance Representation

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

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

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

WarrantyClaimBase

Name	**WarrantyClaimBase**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
ClaimNumber	Identifier of claim entered by dealer	O	
ClaimType	Identifier of the type of claim	O	
OEMClaimNumber	Assigned by OEM at time of claim processing	O	
ExternalReferenceNumber	Secondary identifying scheme that is meaningful to claimant	O	

XML Instance Representation

```
<...>
   <ClaimNumber> ClaimNumber </ClaimNumber> [0..1]
   <ClaimType> ClaimType </ClaimType> [0..1]
   <OEMClaimNumber> OEMClaimNumber </OEMClaimNumber> [0..1]
   <ExternalReferenceNumber> ExternalReferenceNumber </ExternalReferenceNumber> [0..1]
</...>
```

WarrantyClaimDeductible

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

Name	**WarrantyClaimDeductible**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
DeductibleType	The type of customer deductible. Eg: Service Contract	O	
DeductibleAmount	The Customer Deductible and/or Co/pay amount factored out of the total Claim Amount. Eg:$50.00	O	
Tax	Amount of tax on Warranty Claim for Claim and Dealer	O	Values: Deductible
DeductibleWaiverInd	Indicates that the dealer waivered the deductible or changed the deductible from an amount greater than zero to zero.	O	Values: 1 - Yes, 0 - No

XML Instance Representation

```
<...>
   <DeductibleType> DeductibleType </DeductibleType> [0..1]
   <DeductibleAmount> DeductibleAmount </DeductibleAmount> [0..1]
   <Tax> Tax </Tax> [0..*]
   <DeductibleWaiverInd> DeductibleWaiverInd </DeductibleWaiverInd> [0..1]
</...>
```

WarrantyClaimReconciliation

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

Name	WarrantyClaimReconciliation
Abstract	no

Data Elements and Components

Field / Component	Description	R/O	Business Rule
ClaimNumber	Identifier of claim entered by dealer	O	
ClaimType	Identifier of the type of claim	O	
OEMClaimNumber	Assigned by OEM at time of claim processing	O	
ExternalReferenceNumber	Secondary identifying scheme that is meaningful to claimant	O	
WarrantyClaimDeductible	Deductible information associated with Warranty Claim	O	
AdjustedInd	Indicates that the final payment Amount was adjusted from the original submission amount during processing	O	Values: 1 - Yes, 0 - No
ToBePaidAmount	Amount paid on claim, not necessarily the amount claimed	O	
AdjustmentReason	Reason that adjustment was made on request	O	
DispositionReason	Reason that disposition was changed on request	O	
Job	Job information associated with a Warranty Claim.	O	
ClaimGasInd	Determines whether the cost of gas is included in the request for reimbursement	O	Values: 1 - Yes, 0 - No
WarrantyNotes	Notes from OEM to dealer regarding this claim	O	
DealerContributionAmount	The dealerÃ#Â¢Â#Â#s contribution and or copay amount factored out of the total claim amount	O	
Tax	Amount of tax on Warranty Claim for Claim and Dealer	O	

Show Service Processing Advisory

XML Instance Representation

```
<...>
   <ClaimNumber> ClaimNumber </ClaimNumber> [0..1]
   <ClaimType> ClaimType </ClaimType> [0..1]
   <OEMClaimNumber> OEMClaimNumber </OEMClaimNumber> [0..1]
   <ExternalReferenceNumber> ExternalReferenceNumber </ExternalReferenceNumber> [0..1]
   <WarrantyClaimDeductible> WarrantyClaimDeductible </WarrantyClaimDeductible> [0..*]
   <AdjustedInd> AdjustedInd </AdjustedInd> [0..1]
   <ToBePaidAmount> ToBePaidAmount </ToBePaidAmount> [0..1]
   <AdjustmentReason> AdjustmentReason </AdjustmentReason> [0..*]
   <DispositionReason> DispositionReason </DispositionReason> [0..*]
   <Job> JobReconciliation </Job> [0..*]
   <ClaimGasInd> ClaimGasInd </ClaimGasInd> [0..1]
   <WarrantyNotes> WarrantyNotes </WarrantyNotes> [0..1]
   <DealerContributionAmount> DealerContributionAmount </DealerContributionAmount> [0..1]
   <Tax> Tax </Tax> [0..*]
</...>
```

AdjustedInd

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

Indicates that the Amount was adjusted

Name	AdjustedInd

Base XSD Type: string

Code Value	Description
0	
1	

AdjustedReason

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

Free form text of reason(s) for adjustment

Name	AdjustedReason

Base XSD Type: string

ClaimGasInd

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

Determines whether the cost of gas is included in the request for reimbursement

Name	ClaimGasInd

Base XSD Type: string

Code Value	Description
0	
1	

ClaimInvoiceNumber

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

Claim Invoice number

Name	ClaimInvoiceNumber

Base XSD Type: string

ClaimNumber

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

Identifier of claim entered by dealer

Name	ClaimNumber

Base XSD Type: string

ClaimType

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

Identifier of the type of claim

Name	ClaimType

Base XSD Type: string

Code

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

Unique code name

Name	Code

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 -CÃ#Â#TE 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 -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 -MONTSERRAT 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 -RÃ#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	
AS	
AD	
AO	
AI	
AQ	
AG	
AR	
AM	
AW	
AU	
AT	
AZ	
BS	

Show Service Processing Advisory

Code Value	Description
BH	
BD	
BB	
BY	
BE	
BZ	
BJ	
BM	
BT	
BO	
BA	
BW	
BV	
BR	
IO	
BN	
BG	
BF	
BI	
KH	
CM	
CA	

Show Service Processing Advisory

Code Value	Description
CV	
KY	
CF	
TD	
CL	
CN	
CX	
CC	
CO	
KM	
CG	
CD	
CK	
CR	
CI	
HR	
CU	
CY	
CZ	
DK	
DJ	
DM	

Show Service Processing Advisory

Code Value	Description
DO	
EC	
EG	
SV	
GQ	
ER	
EE	
ET	
FK	
FO	
FJ	
FI	
FR	
GF	
PF	
TF	
GA	
GM	
GE	
DE	
GH	
GI	

Show Service Processing Advisory

Code Value	Description
GR	
GL	
GD	
GP	
GU	
GT	
GN	
GW	
GY	
HT	
HM	
VA	
HN	
HK	
HU	
IS	
IN	
ID	
IR	
IQ	
IE	
IL	

Show Service Processing Advisory

Code Value	Description
IT	
JM	
JP	
JO	
KZ	
KE	
KI	
KP	
KR	
KW	
KG	
LA	
LV	
LB	
LS	
LR	
LY	
LI	
LT	
LU	
MO	
MK	

Show Service Processing Advisory

Code Value	Description
MG	
MW	
MY	
MV	
ML	
MT	
MH	
MQ	
MR	
MU	
YT	
MX	
FM	
MD	
MC	
MN	
MS	
MA	
MZ	
MM	
NA	
NR	

Show Service Processing Advisory

Code Value	Description
NP	
NL	
AN	
NC	
NZ	
NI	
NE	
NG	
NU	
NF	
MP	
NO	
OM	
PK	
PW	
PS	
PA	
PG	
PY	
PE	
PH	
PN	

Show Service Processing Advisory

Code Value	Description
PL	
PT	
PR	
QA	
RE	
RO	
RU	
RW	
SH	
KN	
LC	
PM	
VC	
WS	
SM	
ST	
SA	
SN	
CS	
SC	
SL	
SG	

Show Service Processing Advisory

Code Value	Description
SK	
SI	
SB	
SO	
ZA	
GS	
ES	
LK	
SD	
SR	
SJ	
SZ	
SE	
CH	
SY	
TW	
TJ	
TZ	
TH	
TL	
TG	
TK	

Show Service Processing Advisory

Code Value	Description
TO	
TT	
TN	
TR	
TM	
TC	
TV	
UG	
UA	
AE	
GB	
UM	
UY	
UZ	
VU	
VE	
VN	
VG	
VI	
WF	
EH	
YE	

Code Value	Description
ZM	
ZW	

Currency

The ISO code identifying the type of currency in use.

Name	Currency

Base XSD Type: string

Code Value	Description
USD	
ADP	
AED	
AFA	
ALL	
ANG	
AOK	
ARA	
ATS	
AUD	
AWG	
BBD	
BDT	
BEF	

Show Service Processing Advisory

Code Value	Description
BGL	
BHD	
BIF	
BMD	
BND	
BOB	
BRC	
BSD	
BTN	
BUK	
BWP	
BZD	
CAD	
CHF	
CLF	
CLP	
CNY	
COP	
CRC	
CSK	
CUP	
CVE	

Show Service Processing Advisory

Code Value	Description
CYP	
DDM	
DEM	
DJF	
DKK	
DOP	
DZD	
ECS	
EGP	
ESP	
ETB	
EUR	
FIM	
FKP	
FRF	
GBP	
GHC	
GIP	
GMD	
GNF	
GRD	
GTQ	

Code Value	Description
GWP	
GYD	
HKD	
HNL	
HTG	
HUF	
IDR	
IEP	
ILS	
INR	
IQD	
IRR	
ISK	
ITL	
JMD	
JOD	
JPY	
KES	
KHR	
KMF	
KPW	
KRW	

Code Value	Description
KWD	
KYD	
LAK	
LBP	
LKR	
LRD	
LSL	
LUF	
LYD	
MAD	
MGF	
MNT	
MOP	
MRO	
MTL	
MUR	
MVR	
MWK	
MXN	
MYR	
MZM	
NGN	

Show Service Processing Advisory

Code Value	Description
NIC	
NLG	
NOK	
NPR	
NZD	
OMR	
PAB	
PEI	
PGK	
PHP	
PKR	
PLZ	
PTE	
PYG	
QAR	
ROL	
RWF	
SAR	
SBD	
SCR	
SDP	
SEK	

Show Service Processing Advisory

Code Value	Description
SGD	
SHP	
SLL	
SKK	
SOS	
SRG	
STD	
SUR	
SVC	
SYP	
SZL	
THB	
TND	
TOP	
TPE	
TRL	
TTD	
TWD	
TZS	
UGS	
UYP	
VEB	

Code Value	Description
VND	
VUV	
WST	
YDD	
YER	
YUD	
ZAR	
ZRZ	
ZWD	
Other	

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

DeductibleType

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

The type of customer deductible. Eg: Service Contract

Name	DeductibleType

Base XSD Type: string

DeductibleWaiverInd

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

Indicates that the dealer waivered the deductible or changed the deductible from an amount greater than zero to zero.

Name	DeductibleWaiverInd

Base XSD Type: string

Code Value	Description
0	
1	

DispositionNotes

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

Notes regarding disposition of request

Name	DispositionNotes

Base XSD Type: string

DispositionReasonCode

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

Substantiating reason for arriving at disposition

Name	DispositionReasonCode

Base XSD Type: string

DispositionStatus

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

Disposition of request Ex: Rejected, Partial Payment, etc.)

Name	DispositionStatus

Base XSD Type: string

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

ExternalReferenceNumber

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

Secondary identifying scheme that is meaningful to claimant

Name	ExternalReferenceNumber

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	

JobNumber

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

DMS assigned job or line identification number

Name	JobNumber

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" "Bangla", BO "Tibetan", BR "Breton", CA "Catalan", CO "Corsican", CS "Czech", CY "Welsh", DA "Danish", DE "German", DZ "Bhutani", EL "Greek", EN "English" "American", ES "Spanish", ET "Estonian", EU "Basque", FA "Persian", FI "Finnish", FJ "Fiji", FO "Faeroese", FR "French", FY "Frisian", GA "Irish", GD "Gaelic" "Scots 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" "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" "Afan", OR "Oriya", PA "Punjabi", PL "Polish", PS

"Pashto" "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"

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	

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Code Value	Description
br-FR	
ca-ES	
co-FR	
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	

Code Value	Description
gn-PY	
gu-IN	
ha-NG	
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	

Code Value	Description
ks-IN	
ku-IQ	
ky-CN	
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	

Code Value	Description
oc-FR	
om- ET	
or-IN	
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	

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Code Value	Description
so-SO	
sq-AL	
sr-CS	
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	

Code Value	Description
ur-PK	
uz-UZ	
vi-VN	
wo-SN	
xh-ZA	
yo-NG	
zh-CN	
zu-ZA	

Note

A free form note.

Name	Note

Base XSD Type: string

OEMClaimNumber

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

Assigned by OEM at time of claim processing

Name	OEMClaimNumber

Base XSD Type: string

PaymentCycleEndDate

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

Ending date of Payment Cycle

Name	PaymentCycleEndDate

Base XSD Type: date

PaymentNotes

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

Notes regarding payment

Name	PaymentNotes

Base XSD Type: string

ProcessDate

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

Effective date of process

Name	ProcessDate

Base XSD Type: date

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

RepairOrderCompletedDate

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

The date the last line was closed on the repair order

Name	RepairOrderCompletedDate

Base XSD Type: date

RepairOrderOpenedDate

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

System date when Repair Order was opened

Name	RepairOrderOpenedDate

Base XSD Type: date

SecondaryPassword

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

Secondary password used to validate access to the dealer information

Name	SecondaryPassword

Base XSD Type: string

SettlementDate

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

Date that funds are transferred

Name	SettlementDate

Base XSD Type: date

SettlementType

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

Method that was used for settlement transfer of funds

Name	SettlementType

Base XSD Type: string

Code Value	Description
EFT	Electronic funds transfer.
Check	Indicates that a check will be used as the method of payment.
Parts Credit	Parts Credit
Other	Other

ShortMfg

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

Short Manfacturer or RSP Codes

Name	ShortMfg

Base XSD Type: string

SystemVersion

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

The sender's software version number .

Name	SystemVersion

Base XSD Type: string

TaxabilityInd

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

Determines whether an item or amount is taxable.

Name	TaxabilityInd

Base XSD Type: string

Code Value	Description
0	
1	

TaxType

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

Tax Type

Name	TaxType

Base XSD Type: string

Code Value	Description
Total	
Amount	
Labor	

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Code Value	Description
Parts	
Claim	
Dealer	Dealer
Deductible	
Prorated	
Other	Other
Luxury	
Vehicle Inventory	
Taxes Not In Cash Price	
Document Stamp	
Sales	
Tire	
Personal Property	
Registration	
Monthly/Use	
Weight	
Adjustment	
DownPayment	
CapCostReduction	
Lieu	
CurrentYear	
N/A	Not Applicable

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Code Value	Description
LocalOption	Tennessee Tax - combination of city and county.
SingleArticle	Tennessee Tax - State Tax
Gas	Gas tax levied to applicable vehicles or by state/province law. (Referred to in US as "Gas Guzzler" tax).
Total Monthly/Use	The total amount of monthly use tax for a payment on a contract.
Service Contract	Tax charged on service contracts (where applicable).
Adjusted Sales	Adjusted sales tax due to tax modifications when capitalized (i.e. NY)
Total Sales/Use	The total amount of sales/use tax for a single payment contract.
Air Conditioning Excise	Provincal tax providing for the installation or removal of freon. (Canada)
Purchase and Use	A type of tax that is assessed upon "tax free" tangible personal property purchased by a resident of the assessing state for use, storage or consumption of goods in that state (not for resale), regardless of where the purchase took place. The tax is a one time retail tax due at registration or titling of a vehicle.
County Tax	A county tax charged based on the location of the dealer and the customer. An example, The Cook County Tax.
General Excise	This is a general excise tax that a state or region could impose.
Gross Receipt	A gross receipts tax, sometimes referred to as a gross excise tax, is a tax on the total gross revenues of a company, regardless of their source.
Tax on Trade-In	Tax due on a trade-in vehicle.
Tax on Upfront Fees	Total tax due on fees paid upfront.
Tax on Acquisition Fee	Tax due on amount of acquisition fee.
Environmental Tax	Environmental Levy / Tax.
Motor Vehicle Tax	Tax paid at of registration based on the vehicle's age and MSRP.
Wheel Tax	A tax levied by cities and villages to be credited to a road fund of the city or village

TaxTypeId

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

CS - City, CP - County, ST - State, OT - Other, EX - Excise, VAT - Value Added Tax, PST - Provincial Sales Tax , RT - Rental, GST - Goods and Services Tax, HST - Harmonized Tax, ART - Air Tax, QST - Quebec Sales Tax, IMP - Import Tax

Name	TaxTypeId

Base XSD Type: string

Code Value	Description
CS	City
CP	County
ST	State
OT	"OT" = Other
EX	Excise
VAT	Value Added
PST	Provincial Sales Tax
RT	Rental
GST	Goods and Services Tax
HST	Harmonized Tax
ART	Air Tax
QST	Quebec Sales Tax
IMP	Import Tax

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

Type

Type

Name	Type

Base XSD Type: string

URI

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

URI

Name	URI

Base XSD Type: anyURI

VIN

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

Federally defined 17 position vehicle identification number

Name	VIN

Base XSD Type: string

WarrantyNotes

Show Service Processing Advisory

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

Any Warranty related Notes

Name	WarrantyNotes

Base XSD Type: string

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.

Name	**ApplicationArea**
Type	**ApplicationArea**
Nillable	**no**
Abstract	**no**

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>
```

Header

Name	**Header**

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Type	**ServiceProcessingAdvisoryHeader**
Nillable	**no**
Abstract	**no**

XML Instance Representation

```
<Header>
   <DocumentDateTime> DocumentDateTime </DocumentDateTime> [0..1]
   <SecondaryPassword> SecondaryPassword </SecondaryPassword> [0..1]
   <SecondaryDealerNumber> SecondaryDealerNumber </SecondaryDealerNumber> [0..1]
   <DocumentId> DocumentId </DocumentId> [0..1]
   <SettlementType> SettlementType </SettlementType> [0..1]
   <SettlementDate> SettlementDate </SettlementDate> [0..1]
   <PaymentCycleEndDate> PaymentCycleEndDate </PaymentCycleEndDate> [0..1]
   <PaymentCycleId> PaymentCycleId </PaymentCycleId> [0..1]
   <ClaimCount> ClaimCount </ClaimCount> [0..1]
   <JobCount> JobCount </JobCount> [0..1]
   <TotalAmount> TotalAmount </TotalAmount> [0..1]
   <Payments> Payments </Payments> [0..*]
   <Disposition> Payments </Disposition> [0..*]
</Header>
```

ServiceProcessingAdvisory

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

Name	**ServiceProcessingAdvisory**
Type	**ServiceProcessingAdvisory**
Nillable	**no**
Abstract	**no**

XML Instance Representation

```
<ServiceProcessingAdvisory>
```

```
   <Header> ... </Header> [1]
</ServiceProcessingAdvisory>
```

Show

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

The Show verb is used when sending the information about a specific instance of a business document or entity. The Show verb may be used to respond to a Get request or it can be used in a publish scenario, where it pushes information to other applications based on a business event.Although BODs based on this verb do not commonly cause updates to occur, there may be times when the component receiving the Show decides to use the information it receives to update. This is entirely the decision of the receiving software component and is not forbidden.The behavior of the Show verb is quite straight forward with one exception. The Show response to any Get request needs to read the request carefully to ensure the response is returning the requested Data Types.

Name	**Show**
Type	**Show**
Nillable	**no**
Abstract	**no**

XML Instance Representation

```
<Show
confirm="ConfirmType [0..1]">
   <OriginalBODId> xsd:NMTOKEN </OriginalBODId> [0..1]
</Show>
```

ShowServiceProcessingAdvisory

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

Name	**ShowServiceProcessingAdvisory**
Type	**ShowServiceProcessingAdvisory**
Nillable	**no**
Abstract	**no**

XML Instance Representation

```
<ShowServiceProcessingAdvisory
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> ShowServiceProcessingAdvisoryDataArea </DataArea> [1]
</ShowServiceProcessingAdvisory>
```

Verb

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

Name	**Verb**
Type	**Verb**
Nillable	**no**
Abstract	**yes**

XML Instance Representation

```
<Verb/>
```

Show Service Processing Advisory