Implementation Guidelines
Sync Initiative Download
Repository Version Rev4.5.4

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Sync Initiative Download Guidelines

Overview

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

Implementation Guidelines provide detailed information regarding the structure and meaning of the Sync Initiative Download BOD and corresponds directly to the Sync Initiative Download 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 Sync Initiative Download Implementation Guidelines must be used in concert with the Sync Initiative Download 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 Sync Initiative Download 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 Sync Initiative Download BOD. Where possible, STAR has mapped to existing OAGI fields and components. Note however that the STAR Sync Initiative Download 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 Sync Initiative Download 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 Initiative Download Binary Collaboration starts with the OEM or Host transmitting the Initiative Download data to the Dealer. Note: This scenario is an example of how the Sync Sync Initiative Download BOD can be used. Implementations 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.

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**
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	

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

Name	**BusinessObjectDocument**
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

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]
</...>
```

CodeType

Unique code name

Name	**CodeType**
Abstract	**no**

Attributes

Field / Component	Description	R/O	Business Rule
listID		O	
listName		O	
listAgencyID		O	

Field / Component	Description	R/O	Business Rule
listAgencyName		O	
listVersionID		O	
listURI		O	

XML Instance Representation

```
<...
listID="xsd:token [0..1]"
listName="xsd:string [0..1]"
listAgencyID="xsd:token [0..1]"
listAgencyName="xsd:string [0..1]"
listVersionID="xsd:token [0..1]"
listURI="xsd:anyURI [0..1]">
    xsd:string
</...>
```

ConfirmableVerb

Name	**ConfirmableVerb**
Abstract	**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

Name	Count
Abstract	no

XML Instance Representation

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

CreditVehiclePricing

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

Name	CreditVehiclePricing
Abstract	no

Data Elements and Components

Field / Component	Description	R/O	Business Rule
VehiclePrice	Customer price of vehicle	R	
PriceExplanation	Explanatory Note for Pricing Example: Anniversary Edition	O	
VehiclePricingType	Designates type of pricing for vehicle transaction	O	
PricingTypeSource	Source from which pricing type data originated (i.e. Blue Book, NADA, etc.) Deprecated: Use VehiclePricingTypeSource	O	
VehiclePricingTypeSource	Source from which pricing type data originated (i.e. Blue Book, NADA, etc.)	O	

XML Instance Representation

```
<...>
   <VehiclePrice> VehiclePrice </VehiclePrice> [1]
   <PriceExplanation> PriceExplanation </PriceExplanation> [0..1]
   <VehiclePricingType> VehiclePricingType </VehiclePricingType> [0..1]
   <PricingTypeSource> PricingTypeSource </PricingTypeSource> [0..1]
   <VehiclePricingTypeSource> VehiclePricingTypeSource </VehiclePricingTypeSource> [0..1]
</...>
```

DecisionVehicle

Name	**DecisionVehicle**
Abstract	**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)	R	
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	
BodyStyle	The body style of the vehicle.	O	
DeliveryMileage	Decision vehicle mileage.	O	
MaximumMileage	Maximum Mileage Allowed on the Decision Vehicle.	O	
Pricing	Pricing related to the Decision Vehicle.	O	

XML Instance Representation

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

```
   <ModelYear> ModelYear </ModelYear> [0..1]
   <ModelDescription> ModelDescription </ModelDescription> [0..1]
   <Make> Make </Make> [0..1]
   <BodyStyle> BodyStyle </BodyStyle> [0..1]
   <DeliveryMileage> DeliveryMileage </DeliveryMileage> [0..1]
   <MaximumMileage> MaximumMileage </MaximumMileage> [0..1]
   <Pricing> CreditVehiclePricing </Pricing> [0..*]
</...>
```

DeliveryMileage

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

Odometer reading of vehicle at time of delivery

Name	**DeliveryMileage**
Abstract	**no**

XML Instance Representation

```
<...
uom="MileageMeasure [0..1]">
    Mileage
</...>
```

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	

Field / Component	Description	R/O	Business Rule
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]
</...>
```

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 returned.	R	

XML Instance Representation

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

GeographicalConstraintDescription

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

Free-form text field describing the value of the constraints, i.e., the country name(s) to which the initiative applies, US state(s) to which the initiative applies, zip code(s) to which the initiative applies, etc.

Name	**GeographicalConstraintDescription**
Abstract	**no**

XML Instance Representation

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

GeographicalConstraints

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

The GeographicalConstraints component is used to define the geographical region or regions or a range of regions to which the initiative is limited. Example 1: An EmployeePricing initiative may only apply to Zip code 12345. All other zip codes do not apply Example 2: An EmployeePricing initiative may apply to Zip code 12345 as well as zip code 54321, and 65431. All other zip codes do not apply. Example 3: An EmployeePricing initiative applies to the following range of zip codes 12345 to 12349. Any zip codes out side of this range do not apply.

Name	**GeographicalConstraints**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
GeographicalConstraintType	Identifies the geographical region or code by which the initiative is constrained.	R	
GeographicalConstraintDescription	Free-form text field describing the value of the constraints, i.e., the country name(s) to which the initiative applies, US state(s) to which the initiative applies, zip code(s) to which the initiative applies, etc.	R	

XML Instance Representation

```
<...>
   <GeographicalConstraintType> GeographicalConstraintType </GeographicalConstraintType> [1]
   <GeographicalConstraintDescription> GeographicalConstraintDescription </GeographicalConstraintDescription> [1]
</...>
```

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
</...>
```

Initiative

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

The Initiative component represents money an interest rate programs/incentives based on the vehicle or money programs/incentives based on an individual customers.

Name	**Initiative**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
InitiativeCategory	Identifies whether the initiative applies to a customer(s) or a vehicle(s).	R	
Vehicle	The Vehicle component represents the vehicle(s) to which the initiative applies.	O	
GeographicalConstraints	The GeographicalConstraints component is used to define the geographical region or regions or a range of regions to which the initiative is limited. Example 1: An EmployeePricing initiative may only apply to Zip code 12345. All other zip codes do not apply Example 2: An EmployeePricing initiative may apply to Zip code 12345 as well as zip code 54321, and 65431. All other zip codes do not apply. Example 3: An EmployeePricing initiative applies to the following range of zip codes 12345 to 12349. Any zip codes out side of this range do not apply.	O	
InitiativeId	Initiative Identification (i.e., Manufacturer incentive reimbursement program identification or dealer offerings)	R	
InitiativeDescription	A detailed free-form description of the initiative, for example Employee Pricing , 0% APR, Security Deposit Waiver, etc.	R	
InitiativeEffectiveDate	The date that the initiative goes into effect.	R	
InitiativeEndDate	The date that the initiative expires.	R	
InitiativeRebateGroup	The Rebate component describes a deduction from an amount to be paid on a vehicle purchase or lease.	O	If this component is used then the InitiativeRateGroup component cannot be usedl. The schema will also enforce this rule.
InitiativeRateGroup	The initiative rate group component describes rates and terms associated with the initiative.	O	If this component is used then the InitiativeRebateGroup component cannot be usedl. The schema will also enforce this rule.

XML Instance Representation

```
<...>
   <InitiativeCategory> InitiativeCategory </InitiativeCategory> [1]
   <Vehicle> InitiativeVehicle </Vehicle> [0..*]
   <GeographicalConstraints> GeographicalConstraints </GeographicalConstraints> [0..*]
   <InitiativeId> InitiativeId </InitiativeId> [1]
   <InitiativeDescription> InitiativeDescription </InitiativeDescription> [1]
   <InitiativeEffectiveDate> InitiativeEffectiveDate </InitiativeEffectiveDate> [1]
   <InitiativeEndDate> InitiativeEndDate </InitiativeEndDate> [1]
Start Choice [1]
   <InitiativeRebateGroup> InitiativeRebateGroup </InitiativeRebateGroup> [0..*]
   <InitiativeRateGroup> InitiativeRateGroup </InitiativeRateGroup> [0..*]
End Choice
</...>
```

InitiativeAnnualPercentageRate

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

The initiative rate is the underlining annual percentage rate based on the finance type.

Name	**InitiativeAnnualPercentageRate**
Abstract	**no**

XML Instance Representation

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

InitiativeDescription

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

A detailed free-form description of the initiative, for example Employee Pricing , 0% APR, Security Deposit Waiver, etc.

Name	**InitiativeDescription**

Abstract	no

XML Instance Representation

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

InitiativeDownload

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

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Name	InitiativeDownload
Abstract	no

Data Elements and Components

Field / Component	Description	R/O	Business Rule
Header		R	
Initiative		R	

XML Instance Representation

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

InitiativeDownloadHeader

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

The Header component contains summary information related to the entire InitiativeDownload Business Object Document.

Name	InitiativeDownloadHeader
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]
</...>
```

InitiativeId

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

Initiative Identification (i.e., Manufacturer incentive reimbursement program identification or dealer offerings)

Name	InitiativeId
Abstract	no

XML Instance Representation

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

InitiativeRateGroup

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

The initiativerate rate group component describes rates and terms associated with the initiative.

Name	**InitiativeRateGroup**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
InitiativeFinanceType	Identifies the type of finance to which the initiative applies. For example, an initiative may only apply to a vehicle that is being leased.	R	
InitiativeAnnualPercentageRate	The initiative annual percentage rate is the underlining annunal percentage rate based onthe finance type.	R	If this element is used then the InitiativeMoneyFactor element cannot be used. The schema will also enforce this rule.
InitiativeMoneyFactor	The initiative money factor is the underlining money factor rate based on the finance type.	R	If this element is used then the InitiativeAnnualPercentageRate element cannot be used. The schema will also enforce this rule.
InitiativeTerm	The initiative term the underlining annual percentage rate or money factor based on the finance type. For example 24 months, 36 months, etc.	R	

XML Instance Representation

```
<...>
   <InitiativeFinanceType> InitiativeFinanceType </InitiativeFinanceType> [1]
Start Choice [1]
   <InitiativeAnnualPercentageRate> InitiativeAnnualPercentageRate </InitiativeAnnualPercentageRate> [1]
   <InitiativeMoneyFactor> InitiativeMoneyFactor </InitiativeMoneyFactor> [1]
End Choice
   <InitiativeTerm> InitiativeTerm </InitiativeTerm> [1]
</...>
```

InitiativeRebateGroup

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

The Rebate component describes a deduction from an amount to be paid on a vehicle purchase or lease.

Name	**InitiativeRebateGroup**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
RebateType	Identifies whether the rebate amount is Manufacturer Rebate, Dealer Rebate or a Third Party Rebate. This rebate applies to the initiative.	R	
RebateAmount	Dollar amount of rebate value for the initiative.	R	

XML Instance Representation

```
<...>
   <RebateType> RebateType </RebateType> [1]
   <RebateAmount> RebateAmount </RebateAmount> [1]
</...>
```

InitiativeVehicle

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

Name	**InitiativeVehicle**
Abstract	**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)	R	
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	
BodyStyle	The body style of the vehicle.	O	
DeliveryMileage	Decision vehicle mileage.	O	
MaximumMileage	Maximum Mileage Allowed on the Decision Vehicle.	O	
Pricing	Pricing related to the Decision Vehicle.	O	
TrimCode	Manufacturer assigned trim code.	O	
Manufacturer	Manufacturer Name.	O	
VIN	Federally defined 17 position vehicle identification number	O	
VDSCode	Vehicle Description Section- part of the VIN that correlates to a specific vehicle model, bodystyle, and grade.	O	

XML Instance Representation

```
<...>
   <Model> Model </Model> [1]
   <ModelYear> ModelYear </ModelYear> [0..1]
   <ModelDescription> ModelDescription </ModelDescription> [0..1]
   <Make> Make </Make> [0..1]
   <BodyStyle> BodyStyle </BodyStyle> [0..1]
   <DeliveryMileage> DeliveryMileage </DeliveryMileage> [0..1]
   <MaximumMileage> MaximumMileage </MaximumMileage> [0..1]
   <Pricing> CreditVehiclePricing </Pricing> [0..*]
   <TrimCode> TrimCode </TrimCode> [0..1]
   <Manufacturer> Manufacturer </Manufacturer> [0..1]
```

```
   <VIN> VIN </VIN> [0..1]
   <VDSCode> VDSCode </VDSCode> [0..1]
</...>
```

LocationId

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

Code identifying a physical location

Name	LocationId
Abstract	no

XML Instance Representation

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

MaximumMileage

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

Maximum Mileage Allowed on the Decision Vehicle.

Name	MaximumMileage
Abstract	no

XML Instance Representation

```
<...
uom="MileageMeasure [0..1]">
    Mileage
</...>
```

Mileage

Mileage definition

Name	Mileage
Abstract	no

Attributes

Field / Component	Description	R/O	Business Rule
uom		O	

XML Instance Representation

```
<...
uom="MileageMeasure [0..1]">
    Count
</...>
```

PartyId

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

Party Identification Number

Name	PartyId
Abstract	no

XML Instance Representation

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

Percent

Percent

Name	Percent

Abstract	no

XML Instance Representation

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

RebateAmount

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

Dollar amount of rebate value for the initiative.

Name	RebateAmount
Abstract	no

XML Instance Representation

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

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	
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	
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	
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	
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	

Field / Component	Description	R/O	Business Rule
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	
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
</...>
```

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]
</...>
```

Sync

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

Name	**Sync**
Abstract	**no**

Data Elements and Components

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

XML Instance Representation

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

SyncExpressionCriteria

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

Name	**SyncExpressionCriteria**

Abstract	no

Attributes

Field / Component	Description	R/O	Business Rule
expressionLanguage		R	

Data Elements and Components

Field / Component	Description	R/O	Business Rule
SyncExpression		R	

XML Instance Representation

```
<...
expressionLanguage="anySimpleType [0..1]">
   <SyncExpression> ... </SyncExpression> [1..*]
</...>
```

SyncInitiativeDownload

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

Name	SyncInitiativeDownload
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> SyncInitiativeDownloadDataArea </DataArea> [1]
</...>
```

SyncInitiativeDownloadDataArea

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

Name	**SyncInitiativeDownloadDataArea**
Abstract	**no**

Data Elements and Components

Field / Component	Description	R/O	Business Rule
Sync	The Sync verb is used when the owner of the data is passing or publishing that information or change in information to other software components. This is to be used when the receiver of the SyncBOD does not own the data. This verb is commonly used when mass changes are necessary or when a publish and subscribe mechanism is used in the integration architecture.The purposes of this verb include application integrity and ease of data entry for the business user by enabling a single point of input.	R	
InitiativeDownload		R	

XML Instance Representation

```
<...>
   <Sync> ... </Sync> [1]
   <InitiativeDownload> ... </InitiativeDownload> [1..*]
</...>
```

VehiclePrice

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

Customer price of vehicle

Name	**VehiclePrice**
Abstract	**no**

XML Instance Representation

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

VehiclePricingTypeSource

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

Source from which pricing type data originated (i.e. Blue Book, NADA, etc.).

Name	VehiclePricingTypeSource
Abstract	no

XML Instance Representation

```
<...
listID="xsd:token [0..1]"
listName="xsd:string [0..1]"
listAgencyID="xsd:token [0..1]"
listAgencyName="xsd:string [0..1]"
listVersionID="xsd:token [0..1]"
listURI="xsd:anyURI [0..1]">
    CodeType
</...>
```

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

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

BodyStyle

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

Manufacturer-assigned vehicle body style

Name	BodyStyle

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	
BH	
BD	
BB	
BY	
BE	

Code Value	Description
BZ	
BJ	
BM	
BT	
BO	
BA	
BW	
BV	
BR	
IO	
BN	
BG	
BF	
BI	
KH	
CM	
CA	
CV	
KY	
CF	
TD	
CL	

Code Value	Description
CN	
CX	
CC	
CO	
KM	
CG	
CD	
CK	
CR	
CI	
HR	
CU	
CY	
CZ	
DK	
DJ	
DM	
DO	
EC	
EG	
SV	
GQ	

Code Value	Description
ER	
EE	
ET	
FK	
FO	
FJ	
FI	
FR	
GF	
PF	
TF	
GA	
GM	
GE	
DE	
GH	
GI	
GR	
GL	
GD	
GP	
GU	

Code Value	Description
GT	
GN	
GW	
GY	
HT	
HM	
VA	
HN	
HK	
HU	
IS	
IN	
ID	
IR	
IQ	
IE	
IL	
IT	
JM	
JP	
JO	
KZ	

Code Value	Description
KE	
KI	
KP	
KR	
KW	
KG	
LA	
LV	
LB	
LS	
LR	
LY	
LI	
LT	
LU	
MO	
MK	
MG	
MW	
MY	
MV	
ML	

Code Value	Description
MT	
MH	
MQ	
MR	
MU	
YT	
MX	
FM	
MD	
MC	
MN	
MS	
MA	
MZ	
MM	
NA	
NR	
NP	
NL	
AN	
NC	
NZ	

Code Value	Description
NI	
NE	
NG	
NU	
NF	
MP	
NO	
OM	
PK	
PW	
PS	
PA	
PG	
PY	
PE	
PH	
PN	
PL	
PT	
PR	
QA	
RE	

Code Value	Description
RO	
RU	
RW	
SH	
KN	
LC	
PM	
VC	
WS	
SM	
ST	
SA	
SN	
CS	
SC	
SL	
SG	
SK	
SI	
SB	
SO	
ZA	

Code Value	Description
GS	
ES	
LK	
SD	
SR	
SJ	
SZ	
SE	
CH	
SY	
TW	
TJ	
TZ	
TH	
TL	
TG	
TK	
TO	
TT	
TN	
TR	
TM	

Code Value	Description
TC	
TV	
UG	
UA	
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	
ADP	
AED	
AFA	
ALL	
ANG	
AOK	
ARA	
ATS	
AUD	
AWG	
BBD	
BDT	
BEF	
BGL	
BHD	
BIF	
BMD	
BND	
BOB	

Code Value	Description
BRC	
BSD	
BTN	
BUK	
BWP	
BZD	
CAD	
CHF	
CLF	
CLP	
CNY	
COP	
CRC	
CSK	
CUP	
CVE	
CYP	
DDM	
DEM	
DJF	
DKK	
DOP	

Code Value	Description
DZD	
ECS	
EGP	
ESP	
ETB	
EUR	
FIM	
FKP	
FRF	
GBP	
GHC	
GIP	
GMD	
GNF	
GRD	
GTQ	
GWP	
GYD	
HKD	
HNL	
HTG	
HUF	

Code Value	Description
IDR	
IEP	
ILS	
INR	
IQD	
IRR	
ISK	
ITL	
JMD	
JOD	
JPY	
KES	
KHR	
KMF	
KPW	
KRW	
KWD	
KYD	
LAK	
LBP	
LKR	
LRD	

Code Value	Description
LSL	
LUF	
LYD	
MAD	
MGF	
MNT	
MOP	
MRO	
MTL	
MUR	
MVR	
MWK	
MXN	
MYR	
MZM	
NGN	
NIC	
NLG	
NOK	
NPR	
NZD	
OMR	

Code Value	Description
PAB	
PEI	
PGK	
PHP	
PKR	
PLZ	
PTE	
PYG	
QAR	
ROL	
RWF	
SAR	
SBD	
SCR	
SDP	
SEK	
SGD	
SHP	
SLL	
SKK	
SOS	
SRG	

Code Value	Description
STD	
SUR	
SVC	
SYP	
SZL	
THB	
TND	
TOP	
TPE	
TRL	
TTD	
TWD	
TZS	
UGS	
UYP	
VEB	
VND	
VUV	
WST	
YDD	
YER	
YUD	

Code Value	Description
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

Decimal

Decimal

Name	Decimal

* Base XSD Type: decimal

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

Expression

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

Name	Expression

* Base XSD Type: string

ExpressionLanguage

Name	ExpressionLanguage

* Base XSD Type: string

GeographicalConstraintType

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

Identifies the geographical region or code by which the initiative is constrained.

Name	GeographicalConstraintType

* Base XSD Type: string

Code Value	Description
Country	Geographical region by Country
State	Geographical region by State

Code Value	Description
Province	Geographical region by Province
ZipCode	Geographical region by Zip Code
PostalCode	Geographical region by Postal Code

Indicator

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

0 = No, 1 = Yes

Name	Indicator

Base XSD Type: string

Code Value	Description
0	
1	

InitiativeCategory

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

Identifies whether the initiative applies to a customer(s) or a vehicle(s).

Name	InitiativeCategory

Base XSD Type: string

Code Value	Description
Customer	Initiative applies to Customer category, e.g. First Time Buyer, etc.
Vehicle	Initiative applies to Vehicle category.

InitiativeEffectiveDate

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

The date that the initiative goes into effect.

Name	InitiativeEffectiveDate

Base XSD Type: date

InitiativeEndDate

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

Initiative ending date

Name	InitiativeEndDate

Base XSD Type: date

InitiativeFinanceType

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

Identifies with the rebate amount is Manufacturer Rebate, Dealer Rebate or a Third Party Rebate. This rebate applies to the initiative

Name	InitiativeFinanceType

Base XSD Type: string

Code Value	Description
Lease	
Finance	

InitiativeMoneyFactor

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

The initiative money factor is the underlining money factor based on the finance type.

Name	InitiativeMoneyFactor

Base XSD Type: decimal

InitiativeTerm

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

The initiative term the underlining annual percentage rate or money factor based on the finance type. For example 24 months, 36 months, etc.

Name	InitiativeTerm

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	
br-FR	
ca-ES	
co-FR	
cs-CZ	

Code Value	Description
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	
hi-IN	

Code Value	Description
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	
la-VA	

Code Value	Description
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	
pa-IN	

Code Value	Description
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	
ss-ZA	

Code Value	Description
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	
wo-SN	

Code Value	Description
xh-ZA	
yo-NG	
zh-CN	
zu-ZA	

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

Manufacturer

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

Manufacturer Name

Name	Manufacturer

Base XSD Type: string

MileageMeasure

M = Miles, K = KIlometers

Name	MileageMeasure

Base XSD Type: string

Code Value	Description
M	"M" = Modified
K	Kilometers

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

Name

Name of the Party.

Name	Name

Base XSD Type: string

Note

A free form note.

Name	Note

Base XSD Type: string

PriceExplanation

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

Explanatory Note for Pricing

Name	PriceExplanation

Base XSD Type: string

PricingTypeSource

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

Source from which pricing type data originated (i.e. Blue Book, NADA, etc.).

Name	PricingTypeSource

Base XSD Type: string

RebateType

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

Identifies with the rebate amount is Manufacturer Rebate, Dealer Rebate or a Third Party Rebate. This rebate applies to the initiative

Name	RebateType

Base XSD Type: string

Code Value	Description
Manufacturer	Manufacturer Rebate
Dealer	Dealer
Third Party	Third Party Rebate

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

SecondaryPassword

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

Secondary password used to validate access to the dealer information

Name	SecondaryPassword

Base XSD Type: string

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

Terms

Indicates terms of agreement

Name	Terms

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

TrimCode

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

Manufacturer assigned trim code

Name	TrimCode

Base XSD Type: string

URI

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

URI

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

VehiclePricingType

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

Designates type of pricing for vehicle

Name	VehiclePricingType

Base XSD Type: string

Code Value	Description
MSRP	
Hold Back	
Destination/Handling	
Group Fund Price	
Wholesale Price	
Wholesale Cost	
Actual Cash Value	
Employee	
Invoice	
Sale Price	
Final MSRP	
Base MSRP	
Employee Order Price	
Employee Stock Price	
Other	Other
Selling Price	
Cap Cost	
Total Option Price	
Total Option Cost	

Code Value	Description
Retail	
N/A	Not Applicable
MSRP Discount	
Gross Cap Cost	
Net Cap Cost	
Taxable Selling Price	
Loan	Amount lenders typically loan on the listed vehicle.
Trade-In	Amount allowed by dealers on a trade.
Adjusted Gross Cap Cost	Adjusted gross cap cost due to tax calculations.
Adjusted Net Cap Cost	Adjusted net cap cost due to tax calculations.
Total Option MSRP	Total of all itemized products of the Manufactured Suggested Retail Price.

VIN

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

Federally defined 17 position vehicle identification number

Name	VIN

*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.

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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**

Type	**InitiativeDownloadHeader**
Nillable	**no**
Abstract	**no**

XML Instance Representation

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

Initiative

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

Name	**Initiative**
Type	**Initiative**
Nillable	**no**
Abstract	**no**

XML Instance Representation

```
<Initiative>
   <InitiativeCategory> InitiativeCategory </InitiativeCategory> [1]
   <Vehicle> InitiativeVehicle </Vehicle> [0..*]
   <GeographicalConstraints> GeographicalConstraints </GeographicalConstraints> [0..*]
   <InitiativeId> InitiativeId </InitiativeId> [1]
   <InitiativeDescription> InitiativeDescription </InitiativeDescription> [1]
   <InitiativeEffectiveDate> InitiativeEffectiveDate </InitiativeEffectiveDate> [1]
   <InitiativeEndDate> InitiativeEndDate </InitiativeEndDate> [1]
Start Choice [1]
   <InitiativeRebateGroup> InitiativeRebateGroup </InitiativeRebateGroup> [0..*]
   <InitiativeRateGroup> InitiativeRateGroup </InitiativeRateGroup> [0..*]
```

```
End Choice
</Initiative>
```

InitiativeDownload

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

Name	**InitiativeDownload**
Type	**InitiativeDownload**
Nillable	**no**
Abstract	**no**

XML Instance Representation

```
<InitiativeDownload>
   <Header> ... </Header> [1]
   <Initiative> ... </Initiative> [1..*]
</InitiativeDownload>
```

Sync

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

The Sync verb is used when the owner of the data is passing or publishing that information or change in information to other software components. This is to be used when the receiver of the SyncBOD does not own the data. This verb is commonly used when mass changes are necessary or when a publish and subscribe mechanism is used in the integration architecture.The purposes of this verb include application integrity and ease of data entry for the business user by enabling a single point of input.

Name	**Sync**
Type	**Sync**
Nillable	**no**
Abstract	**no**

XML Instance Representation

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

SyncInitiativeDownload

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

Name	**SyncInitiativeDownload**
Type	**SyncInitiativeDownload**
Nillable	**no**
Abstract	**no**

XML Instance Representation

```
<SyncInitiativeDownload
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> SyncInitiativeDownloadDataArea </DataArea> [1]
</SyncInitiativeDownload>
```

Verb

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

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

XML Instance Representation

```
<Verb/>
```