



Mascus Webservice Import Description

Last update: December 8, 2016 by Tuomas Torro

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3. Overview

Mascus Webservice is a SOAP based API. The webservice URL is <http://services.mascus.com/api/mascusapi.asmx> .

4. Product Update Process

Update process includes three steps:

1) Call method OpenSession

- OpenSession requires two string parameters username and password which you can get from your Mascus contact person
- OpenSession will return a sessionId as string

2) Call method ImportData

- ImportData requires string parameters sessionId and xmlData
- SessionId is the ID returned by OpenSession
- xmlData will include your update. More information in chapter 5. XML Data Structure.
- ImportData returns a string array including information if the update succeeded

3) Call method CloseSession

- CloseSession requires string sessionId
- This will end you session

5. XML Data Structure

5.1 Create or Update a product

In order to find required information to build your xml, call method `GetImportCategoriesAndProperties`. It requires string parameters `sessionId` (Call method `OpenSession` to get it) and `language` (For example "EN").

Creating or updating a product is done with the following XML data nodes:

XML Field name	Mandatory	Description
products	Yes	Root node of the document
product	Yes	Product node
dealerproductid	Yes	Unique ID used to identify each product
productdefinition	Yes	Product group in Mascus. Possible productdefinition values can be found with method "GetImportCategoriesAndProperties".
organizationid	Yes	Organization ID will map the product to correct company. Find the correct organizationid with method "GetImportOrganizations".
property	Partly	Product details. You can find the different properties for each definitionname with method "GetImportCategoriesAndProperties". Some properties are not listed in the xml and they can be found in section 5.5 Special properties.
seller	Partly	Seller node will map the product to correct seller. You can send max 10 sellers. Find the correct seller ids (userid) with method "GetImportOrganizations". If you don't fill this field, you'll need to send mandatory sellerinfo fields.
sellerinfo	Partly	Sellerinfo fields are not needed if you have sent at least one seller. All different sellerinfo fields are visible in the example xml below. Mandatory fields are "firstname", "lastname", "telnumber" and "email".
auction		Auction fields can be sent to attach your product to an auction event. You can see all different auction fields in the example below. Mandatory fields to set up an event are "dealereventid", "eventname" and "enddate". Field "auctiontype" has three optional values: "on site and online", "on site" and "online".
picture		BASE-64 coded image. You can send max 24 pictures.
videolink		Video link as string. Mascus system will validate the url and show it if it's accepted. Mascus supports video links to 17 different video portals, for example YouTube, Vimeo, LiveLeak, Dailymotion and Hulu.
attachment		BASE-64 coded file. Attachment node requires attributes "number" and "name". Supported file extensions are .pdf, .xls, .xlsx, .doc and .docx . Use one of those extensions in your name attribute. You can send max. 2 file attachments for a product.

5.2 Create or Update Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<products>
  <product>
    <productdefinition>miniexcavators</productdefinition>
    <organizationid>{12B65A22-1C10-4AA0-9A53-FF155E5F9015}</organizationid>
    <dealerproductid>1234567</dealerproductid>
    <property name="country">FI</property>
    <property name="brand">Caterpillar</property>
    <property name="model">Test</property>
    <property name="yearofmanufacture">1999</property>
    <property name="priceoriginal">5470</property>
    <property name="priceoriginalunit">EUR</property>
    <property name="inspectiongrade">4</property>
    <property name="meterreadouthours">4100</property>
    <property name="location">Härmä</property>
    <property name="vatrate">25</property>
    <property name="accessorylist">16|HHF included!,75</property>
    <property name="otherinformation" language="SV">exempel</property>
    <property name="otherinformation" language="EN">example</property>
    <property name="visibilitybyte">1</property>
    <property name="itemtype">0</property>
    <seller number="1">{5CD3B219-5195-4C9D-BEC6-A73036CB040C}</seller>
    <seller number="2">{43F5A219-1234-FFE3-D3C6-B73079CF040C}</seller>
    <sellerinfo field="firstname">Test</sellerinfo>
    <sellerinfo field="lastname">Name</sellerinfo>
    <sellerinfo field="telnumber">+358 123456789</sellerinfo>
    <sellerinfo field="email">test@noreply.com</sellerinfo>
    <sellerinfo field="mobile">+358 987654321</sellerinfo>
    <sellerinfo field="fax">+358 111111111</sellerinfo>
    <sellerinfo field="address">Test Street 1</sellerinfo>
    <sellerinfo field="city">Test City</sellerinfo>
    <sellerinfo field="postalcode">12345</sellerinfo>
    <sellerinfo field="countrycode">FI</sellerinfo>
    <auction field="dealereventid">123456</auction>
    <auction field="eventname">Online auction in Härmä</auction>
    <auction field="auctiontype">on site and online</auction>
    <auction field="city">Härmä</auction>
    <auction field="postalcode">123456</auction>
    <auction field="streetaddress">Auction street 1</auction>
    <auction field="lotamount">30</auction>
    <auction field="eventlink">http://example-url-for-auction-event-link.com/harma.html</auction>
    <auction field="startdate">2015-10-29T09:00:00</auction>
    <auction field="enddate">2015-10-30T21:00:00</auction>
    <auction field="eventinfo">Find the best machine prices on this huge event!</auction>
    <auction field="externallink">http://example-url-for-auction-product-link.com/product.html</auction>
    <picture number="1">BASE-64 coded image</picture>
    <videolink number="1">http://www.youtube.com/watch?v=9_bI0UX6KEY</videolink>
    <attachment number="1" name="testing.xlsx">BASE-64 coded file</attachment>
  </product>
</products>
```

5.3 Delete a product

Deleting a product is done with the following XML data nodes:

XML Field name	Mandatory	Description
products	Yes	Root node of the document
product	Yes	Product node
dealerproductid	Yes	Unique ID sent to Mascus earlier. You can also use the full Mascus ProductID here to delete a product.
organizationid	Yes	Organization ID
delete	Yes	When deleting a product, include this node with value "true" and the product will be deleted

5.4 Delete Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<products>  
  <product>  
    <organizationid>{12B65A22-1C10-4AA0-9A53-FF155E5F9015}</organizationid>  
    <dealerproductid>1234567</dealerproductid>  
    <delete>true</delete>  
  </product>  
</products>
```

5.5 Special Properties

This section includes special properties that are not included in the XML returned by `GetImportCategoriesAndProperties`.

5.5.1 Testing

For testing you can use a property "visibilitybyte" with value "0". Using value "0", the product will not be shown live in Mascus. If you don't send visibilitybyte, default value of "1" will be used and the product will be set visible in Mascus.

5.5.2 Auction

If you are adding an auction product, you can add property "itemtype" with value of "1". If you want to attach auction event information to your product, see section 5.1 and field auction.

5.5.3 Other Information in different languages

It's possible to add more than one free text description for a product. This way it's possible to localize the product description for different languages. It can be done by adding an attribute named "language" in the property node for "otherinformation". Language attribute should include the ISO language code. You can add as many otherinformation property nodes as you wish. See section 5.2 for example.

6. Description Update History

When	Author	Comments
May 5, 2014	Tuomas Torro	Initial version
June 19, 2014	Tuomas Torro	Added Category & Field Update History
July 17, 2014	Tuomas Torro	Added possibility to add file attachments to products. You can find it in section 5.1 and XML Field name "attachment".
October 12, 2015	Tuomas Torro	Added possibility to add auction event information to products. You can find it in section 5.1 XML field name "auction"

7. Category & Field Update History

This section has the updates to categories and fields in Mascus. You can find the details of the changes in the XML returned by method `GetImportCategoriesAndProperties`.

When	productdefinition	Change	Comments
June 19, 2014	4wheelcbforklifts	Productdefinition removed	Redirected to new productdefinition dieseltrucks
June 19, 2014	3wheelcbforklifts	Productdefinition removed	Redirected to new productdefinition dieseltrucks
June 19, 2014	automatictrucks	Productdefinition removed	Redirected to new productdefinition dieseltrucks

June 19, 2014	rideonpallettrucks	Productdefinition removed	Redirected to new productdefinition selfpropelledstackers
June 19, 2014	rideinpallettrucks	Productdefinition removed	Redirected to new productdefinition selfpropelledstackers
June 19, 2014	sitonpallettrucks	Productdefinition removed	Redirected to new productdefinition selfpropelledstackers
June 19, 2014	mandownturretrucks	Productdefinition removed	Redirected to productdefinition narrowaisletrucks
June 19, 2014	logstackers	Productdefinition removed	Redirected to productdefinition knuckleboomloaders
June 19, 2014	cleaningmachines	Productdefinition removed	Redirected to new productdefinition warehousesweepingmachines
June 19, 2014	mobilecranes	Productdefinition removed	Redirected to new productdefinition allterraincranes
June 19, 2014	tractors_40	Productdefinition removed	Redirected to new productdefinition tractors
June 19, 2014	tractors_60_80	Productdefinition removed	Redirected to new productdefinition tractors
June 19, 2014	tractors_80_100	Productdefinition removed	Redirected to new productdefinition tractors
June 19, 2014	tractors_100_120	Productdefinition removed	Redirected to new productdefinition tractors
June 19, 2014	tractors_120_140	Productdefinition removed	Redirected to new productdefinition tractors
June 19, 2014	tractors_140	Productdefinition removed	Redirected to new productdefinition tractors
June 19, 2014	tractors_200	Productdefinition removed	Redirected to new productdefinition tractors
June 19, 2014	trackedtractors	Productdefinition removed	Redirected to new productdefinition tractors
June 19, 2014	vineyardtractors	Productdefinition removed	Redirected to new productdefinition tractors
June 19, 2014	winstraddletractors	Productdefinition removed	Redirected to new productdefinition tractors

June 19, 2014	plantprotectionothers	Productdefinition removed	Redirected to productdefinition sprayers
June 19, 2014	handpalletstackers	New productdefinition added	New productdefinition in Material handling called "Hand pallet stackers"
June 19, 2014	selfpropelledstackers	New productdefinition added	New productdefinition in Material handling called "Self propelled stackers"
June 19, 2014	spreaders	New productdefinition added	New productdefinition in Material handling called "Spreaders"
June 19, 2014	masts	New productdefinition added	New productdefinition in Material handling called "Masts"
June 19, 2014	batteries	New productdefinition added	New productdefinition in Material handling called "Batteries"
June 19, 2014	chargers	New productdefinition added	New productdefinition in Material handling called "Chargers"
June 19, 2014	materialhandlingtyres	New productdefinition added	New productdefinition in Material handling called "Tyres and wheels"
June 19, 2014	palletracks	New productdefinition added	New productdefinition in Material handling called "Pallet racks"
June 19, 2014	warehousesweepingmachines	New productdefinition added	New productdefinition in Material handling called "Warehouse sweeping machines"
June 19, 2014	palletizers	New productdefinition added	New productdefinition in Material handling called "Palletizers"
June 19, 2014	warehouseequipmentothers	New productdefinition added	New productdefinition in Material handling called "Warehouse equipment - other"
June 19, 2014	dieseltrucks	New productdefinition added	New productdefinition in Material handling called "Diesel trucks"

June 19, 2014	lpgtrucks	New productdefinition added	New productdefinition in Material handling called "LPG trucks"
June 19, 2014	electricforklifttrucks	New productdefinition added	New productdefinition in Material handling called "Electric forklift trucks"
June 19, 2014	tractors	New productdefinition added	New productdefinition in Agriculture called "Tractors"
June 19, 2014	tractors	New property "tractortype" added	New obligatory property "Tractor Type" added. This property is defaulted to "1000100" if not specified
June 19, 2014	tractors	New property "pto" added	New optional property "PTO" added.
June 19, 2014	potatoplanter	New productdefinition added	New productdefinition in Agriculture called "Potato planters"
June 19, 2014	haulmtoppers	New productdefinition added	New productdefinition in Agriculture called "Haulm toppers"
June 19, 2014	hillers	New productdefinition added	New productdefinition in Agriculture called "Hillers"
June 19, 2014	hoppers	New productdefinition added	New productdefinition in Agriculture called "Hoppers"
June 19, 2014	spacefindersandboxfillers	New productdefinition added	New productdefinition in Agriculture called "Spacefinders and boxfillers"
June 19, 2014	potatoequipmentothers	New productdefinition added	New productdefinition in Agriculture called "Potato equipment - Others"
June 19, 2014	cropprocessingothers	New productdefinition added	New productdefinition in Agriculture called "Crop processing and storage units/machines - Others"
June 19, 2014	roughterraincranes	New productdefinition added	New productdefinition in Construction called "Rough terrain cranes"

June 19, 2014	allterraincranes	New productdefinition added	New productdefinition in Construction called "All terrain cranes"
June 19, 2014	industrialbalers	New productdefinition added	New productdefinition in Construction called "Industrial balers"
September 30, 2014	mistingsystems	New productdefinition added	New productdefinition in Construction called "Misting Systems"
September 30, 2014	amphibiosexcavators	New productdefinition added	New productdefinition in Construction called "Amphibious Excavators"
September 30, 2014	cargomotors, cargotyres...	Mandatory property made non-mandatory	Mandatory property yearofmanufacture made non-mandatory in all productdefinitions under category cargocomponents
September 30, 2014	constructioncutters, constructionbrushes...	Mandatory property made non-mandatory	Mandatory property yearofmanufacture made non-mandatory in all productdefinitions under category constructioncomponents
November 18, 2014	most of the forestry definitions	Property removed	Properties "harvesterequipment" and "forwarderequipment" removed
November 18, 2014	most of the forestry definitions	New property added	Property "accessorylist" added
November 18, 2014	truckplatforms	New property added	Property "undercarriagebrand" added
November 26, 2014	sprayers	New property values	4 new values for property "tractorequipment"
November 26, 2014	combineharvesterheads	New productdefinition added	New productdefinition in Agriculture called "Combine harvester heads"
November 26, 2014	all	New property added	New property "productioncountry" added
November 26, 2014	constructiontrenchers	New property value	New property value "Tracked" for property "tractiontype"

December 16, 2014	all Forklift categories in Material handling	New property value	New property value "particulate filter" for property "forkliftequipment"
December 19, 2014	All Forestry categories	Modified property	Modified property "numberofwheels" to be selectable
December 19, 2014	electricforkliftrucks	Added property	Added property called "Number Of Wheels"
January 7, 2015	Some forestry and materialhandling categories	Added property	Added property called "Number Of Wheels"
January 19, 2015	agritelehandlers	Added properties	Added many new properties
February 9, 2015	Bus categories	Added property	Added property "Axle configuration"
May 21, 2015	cars	Added property	Added property "Number of doors"
June 17, 2015	tractors	Added property values	Added new values for property "tractorequipment"
October 1, 2015	agrichaintracks	New productdefinition added	New productdefinition in Agriculture called "Chains / Tracks"
October 1, 2015	agrimotors	New productdefinition added	New productdefinition in Agriculture called "Engines"
October 1, 2015	agrielectronics	New productdefinition added	New productdefinition in Agriculture called "Electronics"
October 1, 2015	agricabins	New productdefinition added	New productdefinition in Agriculture called "Cabins"
October 1, 2015	agrihydraulics	New productdefinition added	New productdefinition in Agriculture called "Hydraulics"
October 1, 2015	agribrakes	New productdefinition added	New productdefinition in Agriculture called "Brakes"
October 1, 2015	agritransmissions	New productdefinition added	New productdefinition in Agriculture called "Transmission"
October 1, 2015	agriframes	New productdefinition added	New productdefinition in Agriculture called "Frames"

October 1, 2015	cargochaintracks	New productdefinition added	New productdefinition in Transport called "Chains / Tracks"
October 1, 2015	cargoelectronics	New productdefinition added	New productdefinition in Transport called "Electronics"
October 1, 2015	cargohydraulics	New productdefinition added	New productdefinition in Transport called "Hydraulics"
October 1, 2015	cargobrakes	New productdefinition added	New productdefinition in Transport called "Brakes"
October 1, 2015	cargoframes	New productdefinition added	New productdefinition in Transport called "Frames"
October 1, 2015	constructionelectronics	New productdefinition added	New productdefinition in Transport called "Electronics"
October 1, 2015	constructioncabins	New productdefinition added	New productdefinition in Agriculture called "Cabins"
October 1, 2015	constructionhydraulics	New productdefinition added	New productdefinition in Construction called "Hydraulics"
October 1, 2015	constructionbrakes	New productdefinition added	New productdefinition in Construction called "Brakes"
October 1, 2015	constructiontransmissions	New productdefinition added	New productdefinition in Agriculture called "Transmission"
October 1, 2015	constructionframes	New productdefinition added	New productdefinition in Construction called "Frames"
October 1, 2015	materialhandlingmotors	New productdefinition added	New productdefinition in Materialhandling called "Engines"
October 1, 2015	materialhandlingelectronics	New productdefinition added	New productdefinition in Materialhandling called "Electronics"
October 1, 2015	materialhandlingcabins	New productdefinition added	New productdefinition in Materialhandling called "Cabins"
October 1, 2015	materialhandlinghydraulics	New productdefinition added	New productdefinition in Materialhandling called "Hydraulics"
October 1, 2015	materialhandlingbrakes	New productdefinition added	New productdefinition in Materialhandling called "Brakes"
October 1, 2015	materialhandlingtransmissions	New productdefinition added	New productdefinition in Materialhandling called "Transmission"

October 1, 2015	materialhandlingframes	New productdefinition added	New productdefinition in Materialhandling called "Frames"
October 1, 2015	groundscaretyres	New productdefinition added	New productdefinition in Groundscare called "Tyres"
October 1, 2015	groundscarechainstracks	New productdefinition added	New productdefinition in Groundscare called "Chains / Tracks"
October 1, 2015	groundscaremotors	New productdefinition added	New productdefinition in Groundscare called "Engines"
October 1, 2015	groundscarecabins	New productdefinition added	New productdefinition in Groundscare called "Cabins"
October 1, 2015	groundscarehydraulics	New productdefinition added	New productdefinition in Groundscare called "Hydraulics"
October 1, 2015	groundscarebrakes	New productdefinition added	New productdefinition in Groundscare called "Brakes"
October 1, 2015	groundscaretransmissions	New productdefinition added	New productdefinition in Groundscare called "Transmission"
October 1, 2015	groundscareframes	New productdefinition added	New productdefinition in Groundscare called "Frames"
October 8, 2015	materialhandlingrotatingclamps	productdefinition removed	productdefinition materialhandlingrotatingclamps will be removed
October 8, 2015	forestrychains	productdefinition removed	productdefinition forestrychains will be removed
October 8, 2015	forestrytracks	productdefinition removed	productdefinition forestrytracks will be removed
December 15, 2015	all	property type changed	property "brand" changed to free text in all categories. This will be processed by Mascus.
December 15, 2015	all productdefinitions under bustrucks	property added	New property in all productdefinitions under bustrucks. Property is "axleconfiguration".
December 15, 2015	cranetrucks	property added	New property for cranetrucks. Property is "cranemake".
December 15, 2015	compressors	property added	New property for compressors. Property is "constructionpowertype".
December 15, 2015	compressors	property values added	New property values for property drillequipment in compressors.
December 15, 2015	all material handling productdefinitions	property value added	New property value "Telescopic" for property liftmast in material handling.

December 15, 2015	generators	productdefinition changed to parent category	productdefinition generators will be changed to parent category.
December 15, 2015	dieselgenerators	New productdefinition added to construction	New productdefinition dieselgenerators added
December 15, 2015	petrolgenerators	New productdefinition added to construction	New productdefinition petrolgenerators added
December 15, 2015	gasgenerators	New productdefinition added to construction	New productdefinition gasgenerators added
December 15, 2015	othergenerators	New productdefinition added to construction	New productdefinition othergenerators added
December 15, 2015	cargoaxles	New productdefinition added to transport	New productdefinition cargoaxles added
December 15, 2015	cargofrontaxles	productdefinition removed	
December 15, 2015	cargoadditionalaxles	productdefinition removed	
December 15, 2015	cargorearaxles	productdefinition removed	
December 15, 2015	cargobogies	productdefinition removed	
December 15, 2015	frontshovelexcavators	New productdefinition added to construction	New productdefinition frontshovelexcavators added
December 15, 2015	all construction productdefinitions	New property added	New property "deliveryterms" added
December 15, 2015	all construction productdefinitions	New property added	New property "emissionlevel" added
December 16, 2015	woodprocessing	New category added to Forestry	New parent category woodprocessing added
December 16, 2015	foresttrailers	New productdefinition added to Forestry	New productdefinition foresttrailers added
December 16, 2015	agriftrailerscrane	productdefinition removed	productdefinition agriftrailerscrane removed
December 16, 2015	agriftrailers	productdefinition removed	productdefinition agriftrailers removed
December 16, 2015	forestrymulchers	productdefinition moved to Forestry	productdefinition forestrymulchers moved to Forestry

December 16, 2015	stumpgrinders	productdefinition moved to Forestry	productdefinition stumpgrinders moved to Forestry
December 16, 2015	biomassboilers	productdefinition moved to Forestry	productdefinition biomassboilers moved to Forestry
December 16, 2015	woodchippers	productdefinition moved to Forestry	productdefinition woodchippers moved to Forestry
December 16, 2015	forestrycranes	New productdefinition to Forestry	New productdefinition forestrycranes to Forestry
December 16, 2015	agrifcranes	productdefinition removed	productdefinition agrifcranes removed
December 16, 2015	forestrywinches	New productdefinition to Forestry	New productdefinition forestrywinches to Forestry
December 16, 2015	agrifwinches	productdefinition removed	productdefinition agrifwinches removed
December 16, 2015	forestrysplitters	New productdefinition to Forestry	New productdefinition forestrysplitters to Forestry
December 16, 2015	agrifsplitters	productdefinition removed	productdefinition agrifsplitters removed
December 16, 2015	agrifothers	productdefinition removed	productdefinition agrifothers removed
December 16, 2015	cargosuperstructures	productdefinition changed to parent category	productdefinition cargosuperstructures will be changed to parent category.
December 16, 2015	demountables	productdefinition moved	productdefinition moved to be under cargosuperstructures
December 16, 2015	hooklifts	productdefinition moved	productdefinition moved to be under cargosuperstructures
December 16, 2015	ssplatforms	New productdefinition added to transport	New productdefinition ssplatforms added under cargosuperstructures
December 16, 2015	sstanks	New productdefinition added to transport	New productdefinition sstanks added under cargosuperstructures
December 16, 2015	ssbunks	New productdefinition added to transport	New productdefinition ssbunks added under cargosuperstructures
December 16, 2015	ssboxes	New productdefinition added to transport	New productdefinition ssboxes added under cargosuperstructures
December 16, 2015	narrowaisletrucks	productdefinition moved under	productdefinition narrowaisletrucks moved to be

		different parent category	under category "specialapplicationsmaterialhandling"
December 16, 2015	selfpropelledstackers	New property added	New property stackertype added to selfpropelledstackers
December 16, 2015	selfpropelledstackers	New property value added	New property value "Telescopic forks" added to forkliftequipment in selfpropelledstackers
December 16, 2015	stonepickers	New productdefinition added	New productdefinition stonepickers added to agriculture
December 16, 2015	all productdefinitions under loaders in construction	New property value added	New property "Bucket capacity" added to all productdefinitions under loaders
December 16, 2015	waterpumps	New property added	New property pumptype added to waterpumps
December 16, 2015	waterpumps	New property added	New property machineoptions added to waterpumps
December 16, 2015	waterpumps	New property added	New property accessorylist added to waterpumps
December 16, 2015	waterpumps	New property added	New property applicablefor added to waterpumps
April 26, 2016	towercranes	New property added	New dropdown property "execution" added. Possible values: 2000070 (Railtravelling) or 2000061 (Static)
April 26, 2016	horizontaldrillingrigs	New properties added	New properties added which already exist in other categories: pullpower, torque, rpm, pipelength, engineoutput and maxflowrate
April 26, 2016	materialtransportvehicles	New productdefinition added	New productdefinition materialtransportvehicles added under construction - asphaltmachinesmain
April 26, 2016	compressors	New property added	New dropdown property "compressortype" added. Possible values: 1120 (Piston compressors), 1121 (Screw compressors) or 1122 (Centrifugal compressors)
April 26, 2016	selfpropelledplatforms	productdefinition removed	productdefinition selfpropelledplatforms removed and splitted into two below
April 26, 2016	articulatedboomlifts	New productdefinition added	New productdefinition articulatedboomlifts added under construction - platformsandcranes
April 26, 2016	telescopicboomlifts	New productdefinition added	New productdefinition telescopicboomlifts added under construction - platformsandcranes

April 26, 2016	constructionaxles	New productdefinition added	New productdefinition constructionaxles added under construction - constructionspareparts
April 27, 2016	formwork	New productdefinition added	New productdefinition formwork added under construction - concreteequipment
April 27, 2016	waterpumps	New property added	New property maxflowrate added
April 27, 2016	irrigationsystems	New properties added	New properties pipediameter and pipelength added
April 27, 2016	screeningbuckets	New productdefinition added	New productdefinition screeningbuckets added under construction - constructioncomponents
April 27, 2016	crushingbuckets	New productdefinition added	New productdefinition crushingbuckets added under construction – constructioncomponents
April 27, 2016	all categories under materialhandling	New property added	New property cemarked added to all categories under materialhandling
April 27, 2016	telehandlers	Changed property option values	Property tractiontype in telehandlers will have different possible values: 3000 (4x2), 3001 (4x4), 1200 (4x4 / x 2 (optional))
April 27, 2016	constructionbarracks	New productdefinition added	New productdefinition constructionbarracks added under construction – constructionothersmain
April 27, 2016	All spare part and accessory type of categories	New property added	New property fitstofollowingmachines added to spare part and accessory type of cats. This property already exists in many cats.
July 1, 2016	reachstackers	New property added	New property trucktype added to reachstackers. This property already exists in many cats.
July 6, 2016	telehandlers	New property added	New property constructionpowertype added to telehandlers. This property already exists in many cats.
October 18, 2016	rollers	productdefinition removed	productdefinition selfpropelledplatforms removed and split into six below
October 18, 2016	singledrumrollers	New productdefinition added	New productdefinition added under construction – compactionequipmentmain
October 18, 2016	twindrumrollers	New productdefinition added	New productdefinition added under construction – compactionequipmentmain

October 18, 2016	combirollers	New productdefinition added	New productdefinition added under construction – compactionequipmentmain
October 18, 2016	pneumatictiredrollers	New productdefinition added	New productdefinition added under construction – compactionequipmentmain
October 18, 2016	towedvibratoryrollers	New productdefinition added	New productdefinition added under construction – compactionequipmentmain
October 18, 2016	otherrollers	New productdefinition added	New productdefinition added under construction – compactionequipmentmain
December 21, 2016	all productdefinitions under bustrucks in cargo-transport	Option values changed	New option values for property “truckextras” added and some removed
December 21, 2016	crawlerexcavators & crawlerloaders	New property added	New property Undercarriage condition (undercarriagecondition) added
December 21, 2016	All forklift categories in materialhandling	New option values added	New values “3 rd valve” (8) and “4 th valve” (9) added to property “forkliftequipment”
December 21, 2016	All forklift categories in materialhandling	New option value added	New value “Triplex / free lift” (4000027) added for property “liftmast”
December 21, 2016	All wheeled machine categories	New property added	New property Tyre brand (tyrebrand) added
December 21, 2016	shippingcontainers	New property added	New property CSC safety approval valid (cscsafetyapprovalvalid) added
December 21, 2016	compressors & generators	New property added	New property Fuel consumption (fuelconsumption) added
December 21, 2016	All truck categories in cargo-transport	New option value added	New option value LED headlights (234) added to property “truckextras”
December 22, 2016	tampers	New productdefinition added	New productdefinition added under construction – compactionequipmentmain
December 22, 2016	electricvehicles	New productdefinition added	New productdefinition added under cargo-transport
December 22, 2016	scissortables	New productdefinition added	New productdefinition added under materialhandling - warehouseequipment
December 22, 2016		New parent category “irrigation” added	New category irrigation added to agriculture
December 22, 2016	irrigationpumps	New productdefinition added	New productdefinition added to agriculture - irrigation

December 22, 2016	pasturemowers	New productdefinition added	New category irrigation added to agriculture - foragers
December 22, 2016	foragewagons	New productdefinition added	New category irrigation added to agriculture - agritrailers
December 22, 2016	concretedistributionbooms	New productdefinition added	New category irrigation added to construction - concreteequipment
December 22, 2016	all	New option value added	New option value "Reconditioned" (104) added to property "antique"
December 22, 2016	all	New property added	New property "Guarantee" (guarantee) added