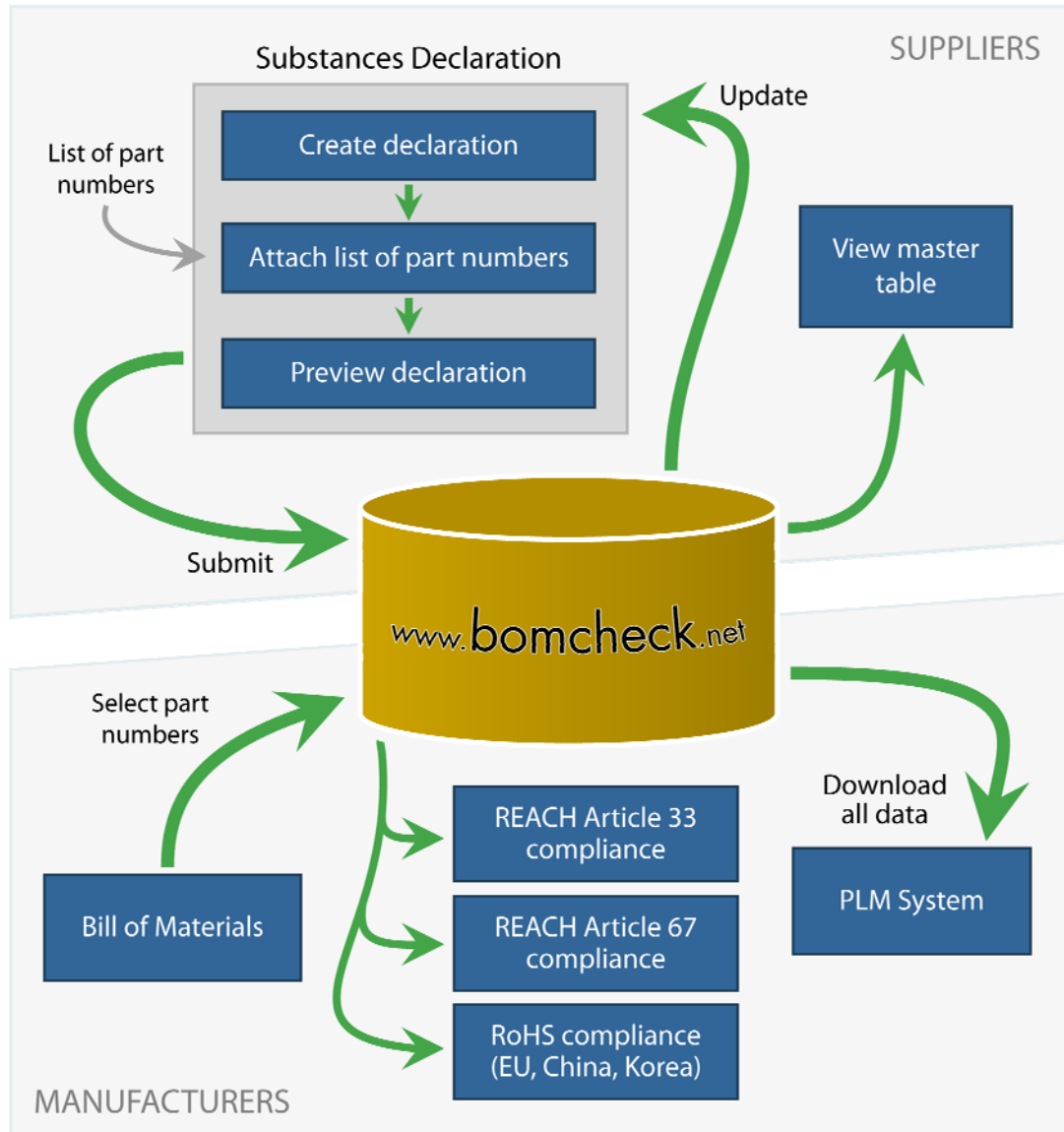


BOMcheck data download to manufacturer IT system



March 2009



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1 Introduction

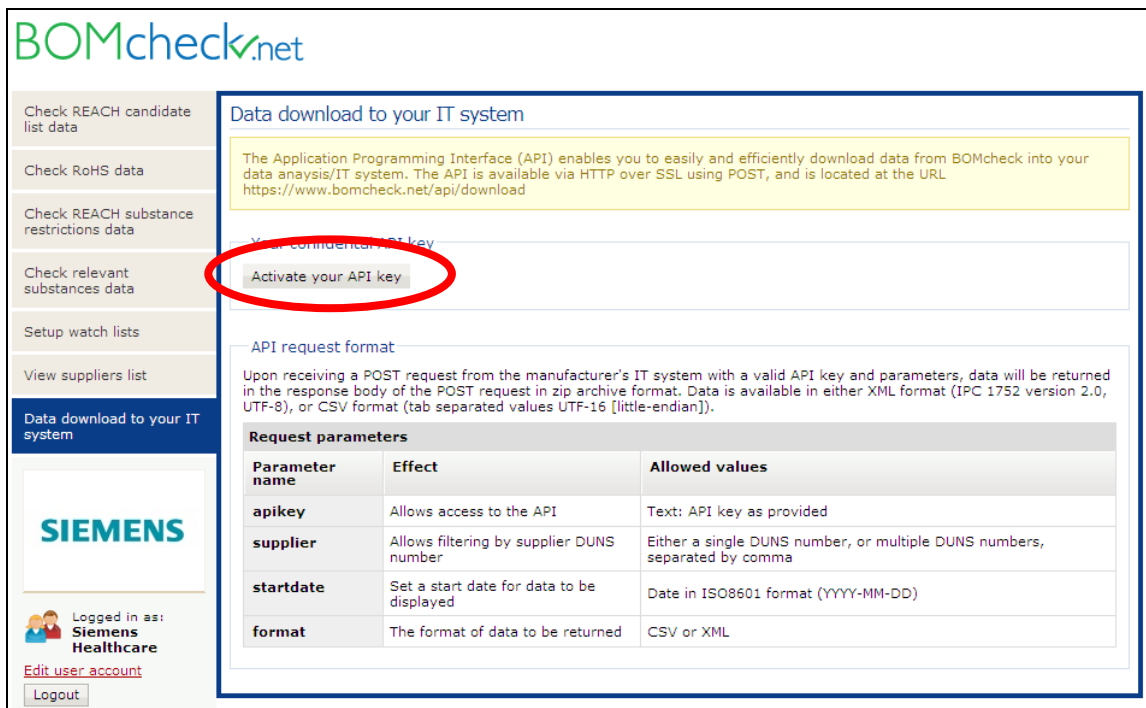
The Application Programming Interface (API) enables manufacturers to easily and efficiently download data from BOMcheck into their own data analysis/IT system.

The API is available via HTTP over SSL using POST, and is located at the URL <https://www.bomcheck.net/api/download>

2 Security

Manufacturers can activate their API key from within their account on BOMcheck, Figure 1.

Figure 1. Activating the API key from within a BOMcheck manufacturer account



The API key is a randomly generated long token to be used to grant API access to the manufacturer. Each key is unique to each manufacturer, and is kept strictly confidential. The API key and all data is encrypted and sent over SSL.

3 Data types and responses

Upon receiving a POST request from the manufacturer's IT system with a valid API key and parameters, data will be returned in the response body of the POST request.

Data is available in either XML format (IPC 1752 version 2.0, UTF-8), or CSV format (tab separated values, UTF-16 [little-endian]).

Table 1 provides the request parameters which the manufacturer can use to specify the data format (mandatory) and supplier and start date details (optional).

Table 1: Valid request parameters for data download from BOMcheck

Parameter name	Effect	Allowed values
apikey (mandatory)	Allows access to the API	Text : API key as provided
supplier (optional)	Allows filtering by supplier DUNS number	Either a single DUNS number, or multiple DUNS numbers, separated by comma
startdate (optional)	Set a start date for the data download file. Only declarations data which have been approved after this start date will be included in the download file.	Date in ISO8601 format (YYYY-MM-DD)
format (mandatory)	The format of data to be returned.	CSV or XML

4 Testing the API data download function at the demonstration site

You can test the API data download function by using the following details to log into the BOMcheck demonstration site (<https://demo.bomcheck.net/>) as a manufacturer and access the demonstration API key.

Manufacturer login on demonstration site <https://demo.bomcheck.net/>

Manufacturer login: **ElectricalEquipmentCompany**
 Password: **testing123!**

Please note that all logins and passwords are case sensitive.

You can create a simple form to test the API data download from the demonstration site by pasting the following code into an .html document (e.g. using notepad or other simple text editor), Figure 2. Opening this .html document using any file manager application will automatically run the form on your web browser.

Figure 2. Form to test API data download from demonstration site

```
<form method="post" action="https://demo.bomcheck.net/api/download">
<table>
<tr><td>Key</td><td>Value</td></tr>
<tr><td>Api Key</td><td><input type="text" name="apikey" /></td></tr>
<tr><td>Supplier</td><td><input type="text" name="supplier" /></td></tr>
<tr><td>Start Date</td><td><input type="text" name="startdate" /></td></tr>
<tr><td>Format</td><td><input type="text" name="format" /></td></tr>
</table>
<input type="submit" value="Submit form"/>
</form>
```