These events could be produced by the existing rrps.dt.integrator.sapbomasbuilt integrator as part of its daily processing; if there are changes to the response of the API, the integrator should fetch the records that have been updated since the previous processing time by specifying the **uptim**parameter accordingly then parse each record.

* Uptim == “” or Uptim ==”0” what is right??? In ODATA it’s (==””) and in changes.json it’s (==”0”) ???

OR

* - If a record has both Valrf and Valto set, it means that the part has been removed on Valto.  
  - If a record as Valto set to 99991231235959 , it means that the part has been installed.

**for** \_data **in** results:  
 **if** \_data[**'Valfr'**] != **"" and** (\_data[**'Valto'**] != **"" or** \_da ta[**'Valto'**] != **"99991231235959"**): *# (not None) (\_data['Uptim'] != "")* results[**"UpValto"**] = \_data[**'Valto'**] *# removal* **elif** \_data[**'Valto'**] == **"99991231235959" or** \_data[**'Valto'**] == **""**: *# (\_data['Uptim'] == "")* results[**"UpValfr"**] = \_data[**'Valfr'**] *# installation*

* Integrator is not working???
* The integrator should then cache the date of processing if successful. ?? date of processing??
* The fields have to be added to the body of the T2 response SapBoMAsMaintained.

Date of Installation / Date of Removal

* Valid from (Valfr): the datetime when the part was installed (required).
* Valid fo (Valto): the datetime when the part was removed (optional).
  + If Valto is equal to 99991231235959 or empty, it means that the part is currently mounted.

IBase Record (from the InRecno field)

* Part IBase record number (InRecno): the IBase record number of the part (required).

Part material number (if available)

* Part material number (Matnr): the material number of the part (optional).

Part description (if available)

* Part description (Maktx): the part description (optional)

**Json Agreement:**

**Installation:**

{

“asset\_id”:”1000015”

"Source": "sapbomasbuilt",

"Ts": "2019-06-05T05:24:49.091522+00:00",

"Seq": 180

“Type”: “SapBomIBaseChanges”,

“Description”: “BoM event: Installation”,

“Details”: [

{

"DateofInstallation": "2019-06-05",

"IBaseRecord": "051MYoXO7jY3{aMUFTBgYm",

"MaterialNumber": "12V4000G23",

"Description": "DIESEL ENGINE",

}

],

“Attachments”: []

}

**Removal:**

{

 “asset\_id”:”1000015”

"Source": "sapbomasbuilt",

"Ts": "2019-06-05T05:24:49.091522+00:00",

"Seq": 180

“Type”: “SapBomIBaseChanges”,

“Description”: “BoM event: Removal”,

“Details”: [

{

"DateofRemoval ": "2019-06-05",

"IBaseRecord": "051MYoXO7jY3{aMUFTBgYm",

"MaterialNumber": "12V4000G23",

"Description": " DIESEL ENGINE",

}

],

“Attachments”: []

}

IBASE\_CHANGE\_DATE\_FORMAT = **"%Y%m%d%H%M%S"**