Ibase as built Data ODATA Documentation, 25.10.2018

MST, Updated 30.10.: Added field values for YYEMREL

MST, Updated 16.11.: Added validity dates and API now gives back either IBase as built or IBase as maintained.

MST, Updated 27.11.: Updated Json test files.

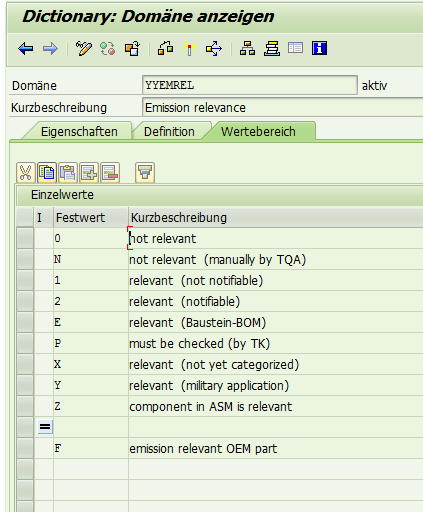
MST, Updated 25.03.2019: New fields: Sortf, Amount & Unit

MST Updated 07.06.2019: New fields: YYDATUM, YYFKGRP & YYFGRSP

Structure of OData Service:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Component** | **Data Type** | **Length** | **Decimals** | **Description** |
| PAR\_RECNO | CHAR | 22 | 0 | IB: Unique record number |
| SON\_RECNO | CHAR | 22 | 0 | IB: Unique record number |
| MATNR | CHAR | 18 | 0 | Material Number |
| SERNR | CHAR | 18 | 0 | IB: Serial numbers |
| DESCR | CHAR | 40 | 0 | IB: IBase Short Text/Description |
| SORTF | CHAR | 10 | 0 | Sort string |
| AMOUNT | QUAN | 13 | 3 | Quantity field |
| UNIT | UNIT | 3 | 0 | Base unit |
| VALFR | DEC | 15 | 0 | IBase: Valid From (YYYYMMDDhhmmss) |
| VALTO | DEC | 15 | 0 | IBase: Valid To (YYYYMMDDhhmmss) |
| YYEMREL | CHAR | 1 | 0 | Emission relevance |
| YYDATUM | DATS | 8 | 0 | Date |
| YYFKGRP | CHAR | 3 | 0 | Main Group |
| YYFGRSP | CHAR | 2 | 0 | Subgroup |

Allowed field values for YYEMREL:



Get Test Data for “as built”:

First example:

https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseSet?$filter=Sernr eq '526104875'&$format=json

Second example :

https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseSet?$filter=Sernr eq '5242454666'&$format=json

Get Test Data for “as maintained”:

https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseSet?$filter=Sernr eq '526104875' and Valfr eq 20181116000000 &$format=json

* “Valfr” equals todays date to get the actual valid Ibase.

Example content

{  
  "d" : {  
    "results" : [  
      {  
        "\_\_metadata" : {  
          "id" : "https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseSet(ParRecno='',SonRecno='051MYqhc7kM%7BvWd52Z19c0',Matnr='12V4000G23')",  
          "uri" : "https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseSet(ParRecno='',SonRecno='051MYqhc7kM%7BvWd52Z19c0',Matnr='12V4000G23')",  
          "type" : "Y\_DIGITAL\_TWIN\_SRV.Ibase"  
        },  
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        "SonRecno" : "051MYqhc7kM{vWd52Z19c0",  
        "Matnr" : "12V4000G23",  
        "Sernr" : "000000000526104875",  
        "Descr" : "526104875/12V4000G23",  
        "Sortf" : "",  
        "Amount" : "1",  
        "Unit" : "ST",  
        "Valfr" : "20160202150851",  
        "Valto" : "99991231235959",  
        "Yyemrel" : "",  
        "Yydatum" : null,  
        "Yyfkgrp" : "",  
        "Yyfgrsp" : ""  
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      {  
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          "uri" : "https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseSet(ParRecno='051MYqhc7kM%7BvWd52Z19c0',SonRecno='051MYqhc7kM%7BvWd52g39c0',Matnr='XS594070.00030')",  
          "type" : "Y\_DIGITAL\_TWIN\_SRV.Ibase"  
        },  
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        "SonRecno" : "051MYqhc7kM{vWd52g39c0",  
        "Matnr" : "XS594070.00030",  
        "Sernr" : "",  
        "Descr" : "HOCHDRUCKLEITUNG     EINWANDIG",  
        "Sortf" : "077/05",  
        "Amount" : "1",  
        "Unit" : "ST",  
        "Valfr" : "20160202150851",  
        "Valto" : "99991231235959",  
        "Yyemrel" : "",  
        "Yydatum" : "\/Date(1260316800000)\/",  
        "Yyfkgrp" : "077",  
        "Yyfgrsp" : "05"  
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      {  
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          "type" : "Y\_DIGITAL\_TWIN\_SRV.Ibase"  
        },  
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        "SonRecno" : "051MYqhc7kM{vWd52g4fc0",  
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        "Sernr" : "",  
        "Descr" : "SECHSKANTSCHRAUBE",  
        "Sortf" : "077/05",  
        "Amount" : "1",  
        "Unit" : "ST",  
        "Valfr" : "20160202150851",  
        "Valto" : "99991231235959",  
        "Yyemrel" : "",  
        "Yydatum" : "\/Date(1260316800000)\/",  
        "Yyfkgrp" : "077",  
        "Yyfgrsp" : "05"  
      },  
      {  
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          "id" : "https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseSet(ParRecno='051MYqhc7kM%7BvWd52g39c0',SonRecno='051MYqhc7kM%7BvWd52g69c0',Matnr='000000002970')",  
          "uri" : "https://sap-fes-i.org-intra.net/sap/opu/odata/sap/Y\_DIGITAL\_TWIN\_SRV/IbaseSet(ParRecno='051MYqhc7kM%7BvWd52g39c0',SonRecno='051MYqhc7kM%7BvWd52g69c0',Matnr='000000002970')",  
          "type" : "Y\_DIGITAL\_TWIN\_SRV.Ibase"  
        },  
        "ParRecno" : "051MYqhc7kM{vWd52g39c0",  
        "SonRecno" : "051MYqhc7kM{vWd52g69c0",  
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        "Sernr" : "",  
        "Descr" : "SECHSKANTSCHRAUBE",  
        "Sortf" : "077/05",  
        ….