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| Participants | : | Puneet Sabharwal, Umesh Kumar | Draft | : | 08/11/2023 |
| Not present | : |  |  |  |  |
| By | : | Patrick Goossens | Department | : |  |
| Copy to | : |  | |  |  |
| Next meeting | : | 17th August 2023 | | | |

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| **Nr.** | **Type** | **Action/information only/decision (A/I/D)** |  | **By** | **Date** |
| 1 | A | Puneet to discuss internally what article code to use and where it should be created. We’ve discussed several options today (see below) |  | **Puneet** | **17-8** |
| 2 | A | Umesh to find out what kind of non R&D data is being added to SAP for plant specifications |  | **Umesh** | **17-8** |
| 3 | A | Patrick to document the to be situation in Contact |  | **Patrick** | **17-8** |
| 4 | A | Patrick to schedule a weekly meeting |  | **Patrick** | **Done** |
| 5 | A | Work out multiple scenarios in the life cycle of a specification (birth, maintenance by R&D, maintenance by plant, out of production) |  | **Patrick** | **17-8** |
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1. Article coding:  
   We started discussing where the article code should be created and how we can uniquely identify an “article” for Contact as well as SAP.  
     
   A diagram of a sap diagram

   Description automatically generated  
   Picture this as the to be situation. Every article in SAP ECC should be uniquely linked to one article in Contact. Today, in Interspec, we handle this by manually adding the SAP commercial article code to FG article codes in Interspec. For SFG, compounds and raw materials we are using the SAP commercial article code as the article code in Interspec. Sometimes there is the need for a translation table between Interspec and SAP coding).  
   This manual way of linking articles is due to give errors. When you add the wrong SAP article code to an Interspec FG article and interface it to SAP, it will overwrite this article in SAP.  
     
   So we need a way to automatically link the articles in both systems. And to the MES as well.  
     
   To do this, we discussed two options:
   1. Use one unique article code that can be used in all systems.   
      To be able to uniquely identify specifications per plant, and to tell whether they are experimental or production we would need some extra parameters.  
      To find a unique specification would require these 4 fields:
      1. Article code ( = SAP commercial article code )
      2. Plant ( = SAP plant code )
      3. Type ( = SAP material type ) – to separate experimental from production
      4. Unique identifier ( because there can be multiple experimental specs for one production spec )
   2. Use different article codes for experimental tyres. For instance: add an ‘X’ in front of the article code and a number at the end. You would still need a separate plant code.
      1. Article code ( = SAP commercial article code ) – experimental tyres would require their own article codes
      2. Plant ( = SAP plant code )

According to Umesh, we can only use the second option in SAP.  
Puneet will investigate which of these options would be the best.

OpmPeter: Interspec-articles only exists in INTERSPEC till status QURRENT-QR3. From that time an Article is created in SAP too. Some articles never reach this status, and stay in INTERSPEC alone.

OpmPeter: There is a optional many-to-many-relationship between INTERSPEC-part-no and SAP-article-code.   
-Interspec-article without SAP-article code (trial and wrong status)  
-Interspec-article is related to one SAP-article-code (with translation in article-coding)  
-Interspec-FinishProduct is related to one or more SAP-article-codes (SAP / SAP-DA)  
-One SAP-article-code can be related to one or more INTERSPEC-articles (in one/more plants).

1. Birth of an article code:  
   related to the previous topic. What is the best system to generate the article code.  
     
   A diagram of a software company

   Description automatically generated  
   Above picture might be a solution. Where both R&D and marketing can create an article code, using SAP MDG.   
   SAP MDG will communicate with SAP ECC to request article creation with the new article code.  
   Once confirmed, SAP MDG will also send new article code to Contact which will also trigger article creation in Contact.

Opm-Peter: for what kind of articles is this? Only FinishedProduct or also SFG,COMPounds/raw-material?

Opm-Peter: how to deal with the many-to-many-relationships?

Opm-Peter: why not create a SAP-service which can being called from the CONTACT-system when reaching a specific status (CURRENT-QR3) ? May be in automatic-way or may-be picking from a list retrieved from SAP meeting certain conditions.

1. BoM:  
   We also discussed the Bill of Material. Umesh confirms interfacing the same data as we are already doing from Interspec would be sufficient.  
   We already documented the BoM data that is flowing from Interspec to SAP.  
     
   Opm: Only BOM-data-attributes is documented, not the functional requirements, when and how  
     
   Opm. Peter: is this enough? How to deal with status (current/historic), alternative, etc.
2. Masterdata:  
   Another topic we touched was masterdata.   
   We discussed the best system to store specific data. In our discussion today we isolated 2 specific types of data:
   1. Data maintained by R&D
   2. Data maintained by plant for production (machine specific)

Currently in APMEA, this machine specific information is maintained in SAP and shown in production by printing a set of (approximately 20) paper forms.  
Currently in Europe it differs per plant:

* Enschede : stores extra machine information in PG (AS400)
* Hungary : retrieves information from Interspec, displayed by (or printed from) Athena

We think the best system to store this data in the future would be Contact, as SAP MDG is not capable of enriching with this kind of information.   
However, this was not in my original scope of the Contact system.   
I always imagined Contact to be the system holding R&D information and plant specific production information would be stored in a separate (plant production) system.

Next meeting:

We decided to keep doing this meeting on a weekly basis as long as necessary. And invite other colleagues to these meetings whenever required.