Manufacturing Part Number & Approved Manufacturer Part List (AMPL) in SAP MM

Applies to:
SAP R/3 and SAP ECC

Summary
The objective of this document is to assist consultants in setting up the Manufacturing part number & also check whether certain manufacturer part may be ordered by using Approved Manufacturer part list (AMPL) Functionality in SAP Materials Management. The business process flow and the IMG settings are discussed in this document.

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Prerequisite
The basic knowledge of SAP MM is required to make use of this document in real practice.

Overview
If you wish to influence the precise source or quality of materials, you can tell the vendor from whom you want to procure a material which manufacturer the material is to be supplied by and the part number used by that manufacturer. You can also tell your vendor exactly which of a manufacturer’s plants is to supply the material you wish to procure. The manufacturer’s part number (MPN) and description, as well as the specific manufacturing plant (if applicable), are included in the data sent to the vendor with the purchase order.

For procurement purposes, you can use the material or part number used by the manufacturer (MPN) alongside your firm’s own material number.

If you wish to check whether a certain Manufacturer Part may be ordered and used within your enterprise, you should make use of the approved manufacturer parts list (AMPL). The latter indicates exactly which of a manufacturer’s plants the materials included on the list are to be procured from.

Purpose
The aim of this document is to provide an understanding of the Manufacturer part number & the use of Approved manufacturer part list process in SAP Materials Management.

Use of MPN
MPN is particularly suitable if you wish to influence the precise source or quality of materials, you can tell the vendor from whom you want to procure a material which manufacturer the material is to be supplied by and the part number used by that manufacturer.

Use of AMPL
If you wish to check and control which MPN materials may be procured, you should make use of the approved manufacturer parts list (AMPL).

- In this list, you can specify for each MPN material
- Whether it can be procured for a certain plant only or for all the plants of your enterprise
- The period during which the MPN material may be procured
- Whether it must belong to a certain revision level
- Whether it may only be procured from a certain manufacturer plant
- Whether it is blocked and, if so, why
Create Material Master Records

If you work with MPNs, the number of manufacturers of a manufactured part corresponding to one of your firm’s own materials determines the number of material master records you have to create:

If there is just one MPN corresponding to one of your firm’s own materials, you can enter it and the manufacturer directly in the master record for your own material. In this case, you need not create an MPN Material.

If there are several MPN materials corresponding to one of your firm’s own materials, you must create MPN material master records with the material type HERS. In the Purchasing view, enter the manufacturer part number, the manufacturer (this can be either a vendor master record or a manufacturer master record), and your firm’s own, inventory-managed material.

It is recommended to use AMPL only if there are different MPN materials corresponding to one of your own material. The purchase order has to be created using the MPN material number and not your firm’s inventory managed material.

MPN & AMPL Settings

1. Material Master

In the material master data relevant settings for MPN has to be maintained.

### Change Material 1308 (Purchasing, Raw material)

**Foreign trade data**
- Comm./Imp. code no.
- Export/Import group
- CAS number (pharm.)
- PRODCOM no.
- Control code

**Origin**
- Country of origin
- Region of origin

**Preference**
- Preference status
- Vendor decl. status

**Legal control**
- Exemption Certificate
- Iss. date of exempt.
- Military goods

**Common Agricultural Policy**
- CAP product list no.
- CAP prod. group

**Manufacturer parts**
- Manufacturer part profile

Manufacturer part profile has to be maintained in the purchasing view of the material master.
Manufacturer part profiles (MPN profiles) allow you to specify for each of your firm’s own materials the conditions under which the MPN material may be used in the procurement process.

You enter the MPN profile in the master record for your firm’s own material (Purchasing view).

2. Create MPN Materials

For the material type ‘HERS’ there are only purchasing & classification view
Create the MPN material using the material type HERS.

In the purchasing view we need to enter the Client material code & below that we need to enter the MPN no.

Create the MPN part numbers in conjunction with your firm’s own material. In the internal material number field enter your firm’s own material. In the Mfr Part number field enter the MPN number.
3. Maintain Approved Manufacturer Parts List

Using the transaction code MP01 maintain approved manufacturer part list.

In the above list you can specify for each MPN material:

- Whether it can be procured for a certain plant only or for all the plants of your enterprise
- The period during which the MPN material may be procured
- Whether it must belong to a certain revision level
- Whether it may only be procured from a certain manufacturer plant
- Whether it is blocked and, if so, why
MPN & AMPL Process

1. Create a Purchase Order for a MPN Material

Create Purchase Order

MPN material number

Inventory managed material
2. GR for the Purchase Order

Goods Receipt Purchase Order 4500017267 - Sudhakar Jayan

- **Document Date**: 21.01.2007
- **Posting Date**: 21.01.2007
- **Line**: 1
- **Material**: Test
- **Vendor Material No.**: 1388
- **MPN Material**: 1410
- **Material Group**: 001

**Delete**  **Contents**
**IMG Settings**

The message type ERS is set up in the path

SPRO> IMG>MM>Purchasing>Material Master > Define Manufacturer Part Profile

### Change View "Maintenance of Profile for MPN"

<table>
<thead>
<tr>
<th>Prof</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000</td>
<td>No MPN functions active</td>
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<tr>
<td>1000</td>
<td>Order text for MPN material</td>
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<tr>
<td>1256</td>
<td>MPN-text, MPN requ., QM, approval</td>
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<tr>
<td>1258</td>
<td>Order text MPN-required, QM, LIS</td>
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<tr>
<td>2000</td>
<td>MPN required for the purchase order</td>
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<tr>
<td>2001</td>
<td>MPN required, info records for MPN</td>
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<tr>
<td>2046</td>
<td></td>
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<tr>
<td>2500</td>
<td>MPN required and QM proc. of MPN</td>
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<tr>
<td>9999</td>
<td>All MPN functions active</td>
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<tr>
<td>JP01</td>
<td>MPN required, MPN info records, No AMPL</td>
</tr>
<tr>
<td>JP02</td>
<td>MPN required, MPN info records, AMPL</td>
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<tr>
<td>JP03</td>
<td>All Active</td>
</tr>
<tr>
<td>N601</td>
<td>No MPN functions active</td>
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<tr>
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<td>All Active</td>
</tr>
<tr>
<td>P001</td>
<td>All except qm, mandatory, and info records</td>
</tr>
</tbody>
</table>

Here you maintain whether MPN is mandatory, Change in MPN is required, Whether Info records is required, AMPL management is required, whether QM processing for MPN is required.
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