**From:** VIALLY Didier [<mailto:didier.vially@courbon.fr>]   
**Sent:** Friday, November 22, 2013 11:44 AM  
**To:** [b2mml@mesa.org](mailto:b2mml@mesa.org)  
**Cc:** GRANGER Emmanuel [<mailto:emmanuel.granger@courbon.fr>]  
**Subject:** B2MML files for MESA whitepaper

Hello

COURBON is a French company involved in automation and MES Software ; We have chosen B2MML as our preferred solution to interface with ERP, since 2006.

Among our different MES modules, we have one for Pharmaceutical/Cosmetics industry dedicated to the raw material dispensing in the Weighing Centre area ; the module is called Pharmacim Weighing Centre Management.

We propose you as an example of B2MML usage a complete interface scenario with an ERP  (already implemented with SAP and JDE) :

* Pharmacim MES receives from ERP the material definition (MAT-20121210170256-CRBN0001.xml)
* Pharmacim MES receives information about lot (quality status, expiry) to authorize or not the weighing  (LOT-20121210170718-0001L0001.xml)
* Pharmacim MES is informed when the ERP(or WMS) allocates and send material containers to the weighing area or when the containers are taken back to the warehouse  (INV-20121210175555-0001L0001\_01.xml)
* Pharmacim MES receives the Production Order definition (the list of raw material to prepare in the weighing area)  (PRO-20121210181416-27942.xml)
* Pharmacim upload to the ERP the result of each weighing operation (actual lot/container used, actual quantity, final status of the container empty or not) : ERP uses the information to update the inventory and the status of production orders. (PES-20121229115825-53107.xml)

To facilitate error management, we usually dedicate one file per item  (one file for one material definition, one file for one production order…).

As you can see in all files we use ‘Sync’ model of transaction, so it’s a loose coupling interface (we don’t wait for acknowledgement of the partner system).

Feel free to contact me for further information and let me know about the progress of your whitepaper.

Best regards.

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|  | **Didier VIALLY** |
|  | MES Software R&D Manager |
|  |  |
|  | Tel.         +33 4 77 59 34 45 |
|  | Mobile    +33 6 71 90 54 30 |
| cid:image003.jpg@01CEE7BB.3AFCF500 | |