FIS/mpm®

Master Data and Price Management

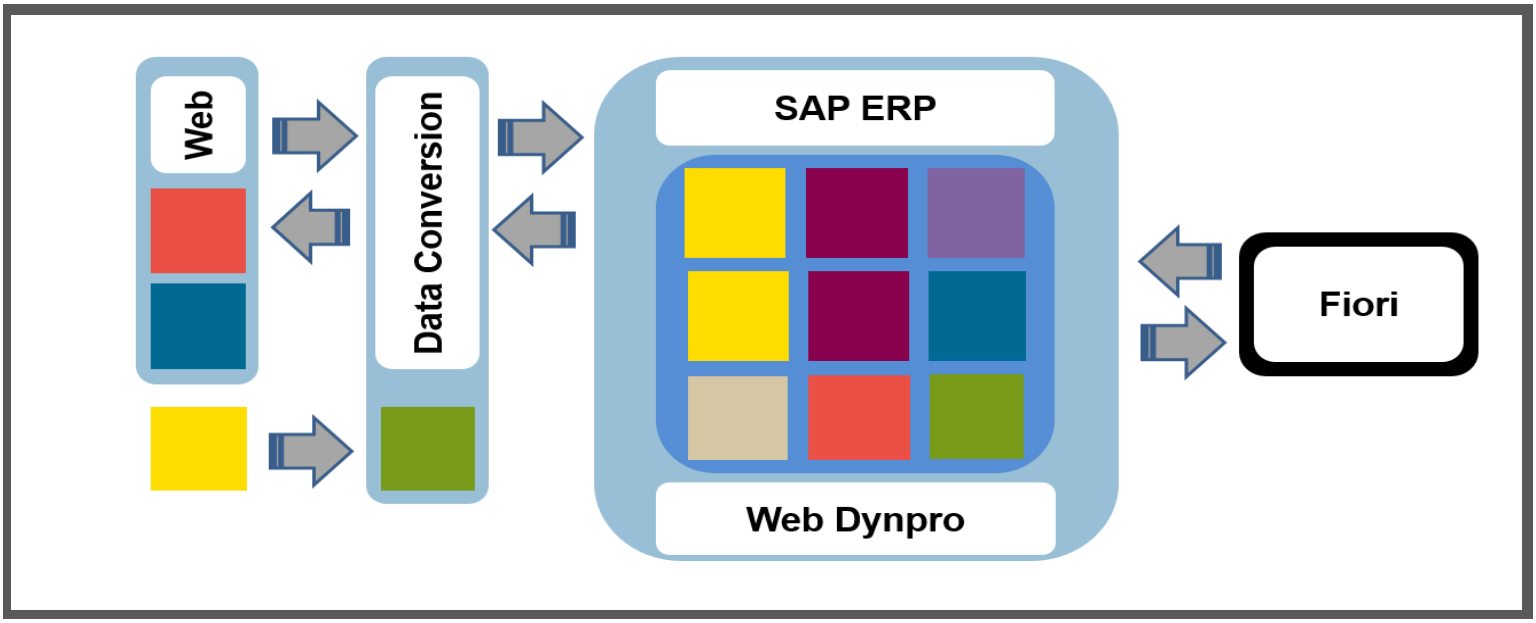
Quick and Comprehensive - SAP Master Data Management

FIS Information Systems develop a suite of innovative and integrated technologies to SAP standard

FIS SMART technologies provide additional functions, improving and tuning business processes

SMART innovations allow SAP users to work in a familiar SAP environment and also provide a simplified view of the data via Web, Web Dynpro and Fiori Apps

FIS Information Systems have developed more than 100 SMART technologies - deeply integrated and innovative enhancements to SAP standard. As with SAP functional modules, the SMART technologies may work in combination to create additional functions within the standard SAP environment.



Typical properties of FIS SMART add-on to SAP technologies include:

- Deep integration within SAP ERP accessing real-time data
- The creation of additional FIS transactions to tune processes as well as being able to seamlessly switch between the FIS environment and standard SAP functions
- Simplified access to SAP data via Web Dynpro (SAP's own web application technology)
- FIS Fiori apps enable applications to run on desktop computers, tablets and mobile devices
- FIS SMART innovations also work within the SAP environment but with enhanced functionality. The users work in familiar GUI and therefore the new functions are easy to learn and use
- No modifications are required to SAP standard

- Simplified Master Data Maintenance *FIS*/mpm
- Automated Invoice and Document Processing *FIS*/edc
- Internet Shopping Solution *FIS*/eSales
- Data Exchange and EDI engine *FIS*/xee
- Cash Register Retail Solution *FIS*/cash
- Customer Relationship Manager *FIS*/crm
- SAP HCM Payroll Modelling and Revision Control

FIS/SMART Technologies: The Big Picture

For organisations wishing to accelerate the process of master data creation and maintenance and improve data quality

Introduction:

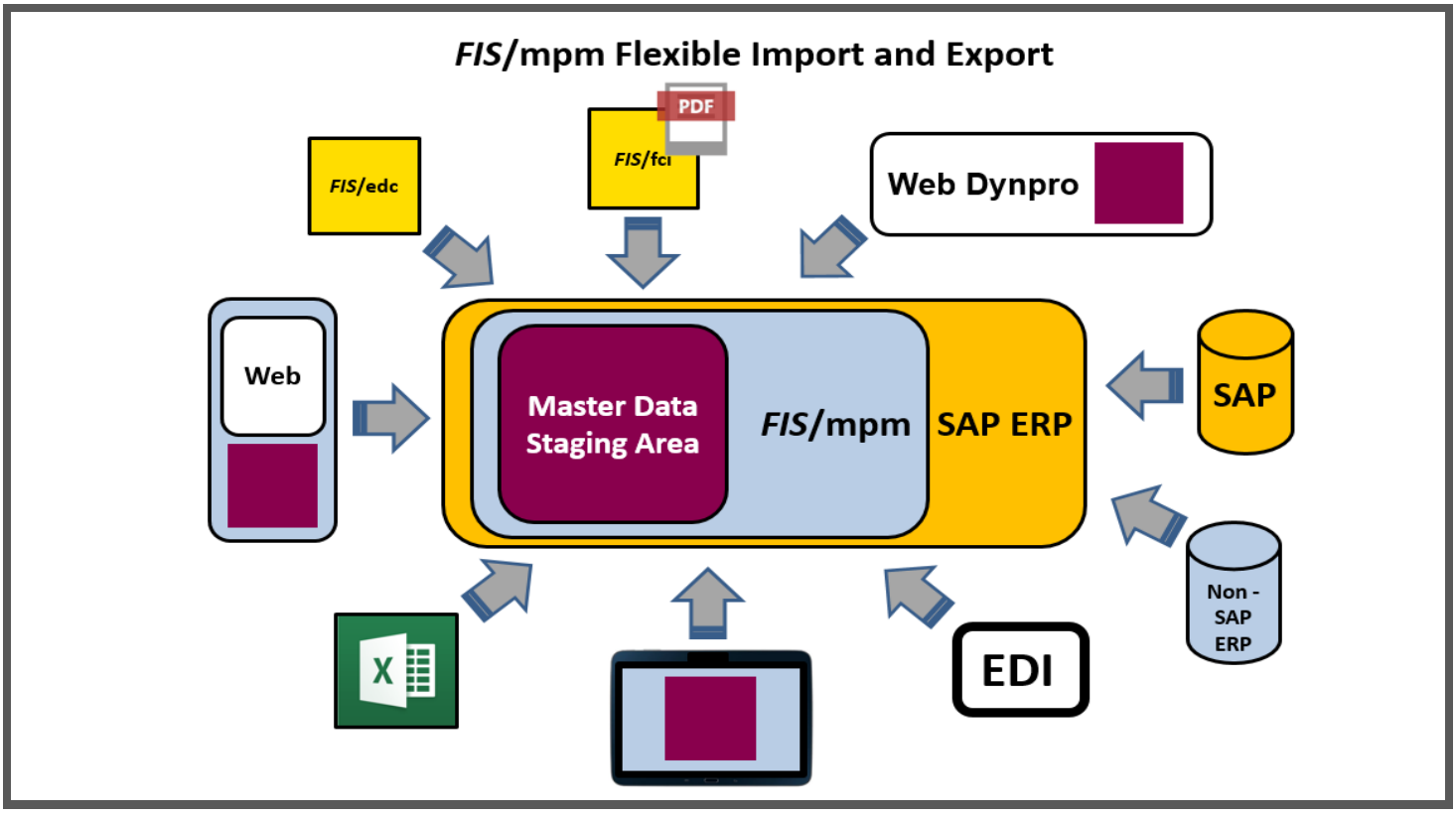
FIS/mpm (master data and price management) is an integrated technology add-on to standard SAP and provides a simplified and centralised working environment for **all master-data participants** — whether they are experienced SAP users or data providers with no SAP knowledge.

The solution has been designed specifically for organisations who wish to improve their central master data quality, **starting at the data initiator,** reducing the **workload of supervisors** before releasing into SAP ERP. Furthermore, master data can be maintained and created in a **more timely manner** with validation checks are introduced to ensure that data errors are eradicated.

FIS/mpm creates business value by introducing new **improvements in the data quality creation process**. Clearly defined tasks and responsibilities inclusive for all participants in the master data process: initiators, supervisors, SAP administrators and SAP custodians can be structured to provide clear data governance. The importance of master-data quality cannot be over-emphasised and should be treated as an enterprise asset to be maintained and valued.

One of the core dilemmas with new master data creation within SAP is that data creators have intimate knowledge of the data but are not familiar with the stringent requirements of SAP, whilst the IT department may have excellent SAP knowledge, but are may have limited insight into the new information.

FIS/mpm has been designed to resolve many of the issues associated with the paradox by simplifying the preliminary master data submission, introducing a workflow stage (where necessary) for data enhancement, reducing the workload of the IT team with pre-checked data submissions and confirmation checks when data is released into SAP ERP.



FIS/mpm: Overview and Data Exchange Summary

Key Participants of master data creation and the flexible allocation of tasks to ensure data is validated and checked.

IT Architectural View:

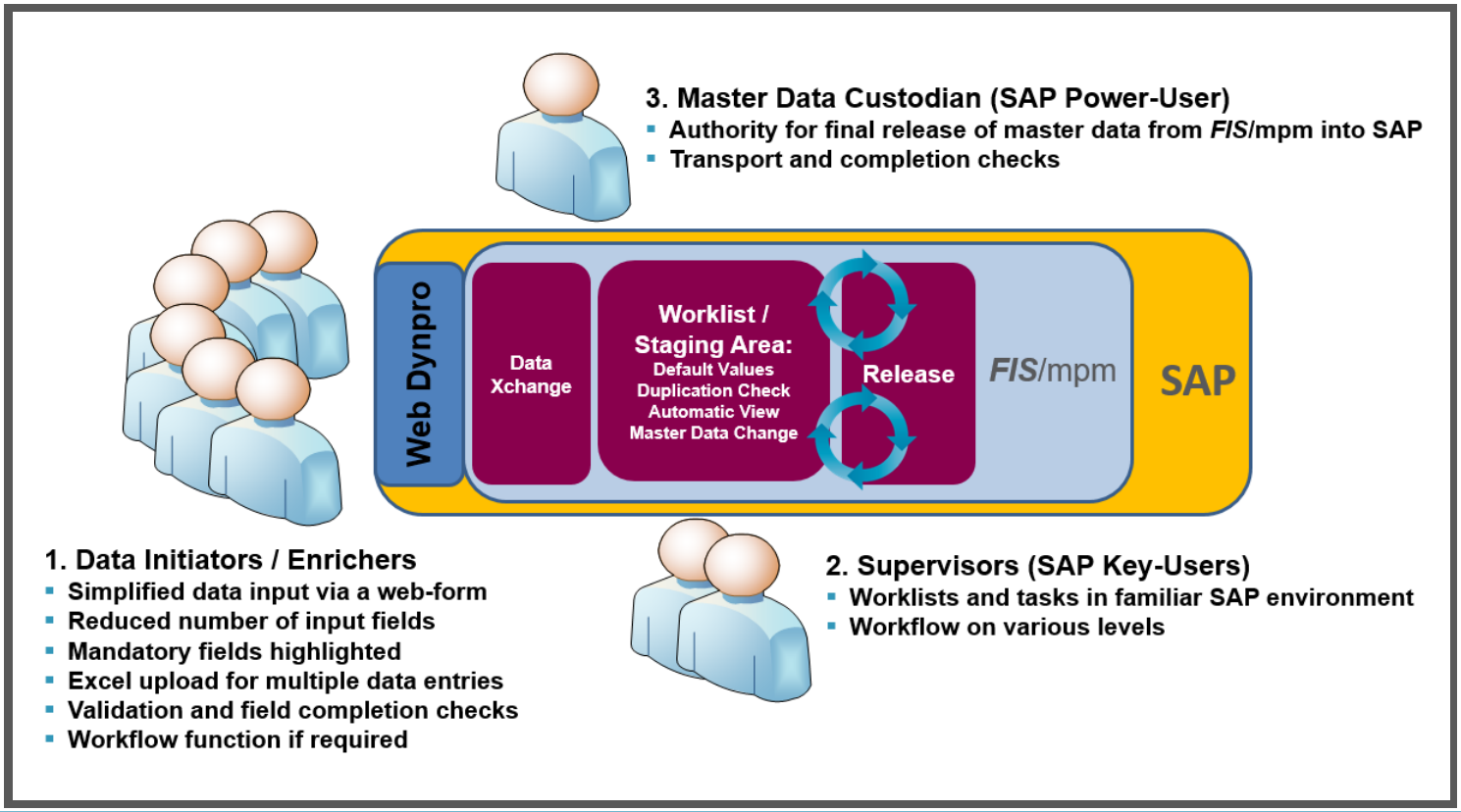
The FIS/mpm application is a technical add-on to SAP ERP and comprises **extended SAP tables in a 'staging area'.** Flexible imports are supported from various sources:

- FIS Smart applications
- Web applications (i.e. customer or vendor facing)
- Tablets / Smartphones
- Excel
- Additional SAP ERP systems
- Non-SAP ERP systems
- EDI
- FIS Web Dynpro workflow

Data is stored once, therefore there are no additional hardware or databases required and no performance issues with the corporate network or SAP ERP.

Selected FIS/mpm modules include:

- *FIS*/mpm® Master data maintenance tool (including purchase info records, materials and source lists)
- *FIS*/mpm® Vendor maintenance tool
- *FIS*/mpm® Customer maintenance tool
- *FIS*/mpm® Bills of material maintenance tool
- *FIS*/mpm® Documents maintenance tool
- *FIS*/mpm® Price and Conditions maintenance tool
- *FIS*/mpm® SD functions maintenance tool
- *FIS*/mpm® Address maintenance tool
- *FIS*/mds® (Master Data Server)
- *FIS*/cds® (Contact Data Server)



FIS/mpm: Summary of Key Modules

- **Simplified data maintenance using Web Dynpro technology**
- **Staging area checks for stewards and data release from FIS/mpm to SAP**

Division of Labour:

By creating a **simplified data maintenance and workflow environment for initiators,** *FIS*/mpm eliminates the practise of emailing erroneous Excel attachments between the SAP master-data team and the initiator with most source knowledge.

In addition, data-entry tasks are reduced as data fields are reduced and updated automatically.

Once in the staging area, the data is in a familiar SAP environment and the data can be further checked and finally released into SAP ERP without the need for manual 'copy and paste' tasks.

The business processes, roles and privileges can be created and modified, defining ownership for data creation and refinement at each stage.

Introducing business process standardisation and data governance and ensuring that the data is consistent, validated, unique (not a duplicate record) and comprehensive, reducing the need for further manual data inspections.

FIS/mpm reduces the risk of inaccurate data within SAP and the potentially expensive consequences i.e. ordering incorrect goods, incorrect bank details of vendors, incorrect delivery address of customers etc.

Data initiators are able to submit data via a simple GUI typically within a Web Dynpro environment or upload multiple records via Excel.

Using this model, **FIS/mpm eradicates the need for SAP expertise when creating or maintaining the data at source**.

The Web environment provides intuitive assistance with mandatory and pre-populated fields.

The initial source data could be checked and enriched by colleagues with supplementary master data knowledge or by supervisors for checking.

Summary of FIS/mpm key benefits:

- Reduced labour costs and time savings when adding or maintaining master-data.
- Full integration with SAP ERP or SAP Retail
- Inputs automatically updated with default data where appropriate
- No additional hardware
- Because the data storage is in extended tables, there is no detrimental impact on SAP production database performance
- No input errors due to validation checks on the inbound transports — ensuring data quality
- Duplication checks based on fuzzy technology and phonetic matches — ensuring the highest data quality
- Provides functionality from mass data uploads through to single record maintenance
- Clear business process creation of master data management
- Data Entry for initiators via simple web–based form with duplication checks
- Ability to create workflows to forward the new data to supervisors or other colleagues to check or enrich
- Web and WebDynpro interfaces can be customised to incorporate specific or unique fields
- Upload of Excel files with multiple data entries with validation and field completion checks
- Custom-made Excel designs can be mapped into the standard FIS/mpm staging area tables
- Upgradable to centralised master data server, with the ability to distribute harmonised data to SAP and other non-SAP enterprise applications
- Available in 13 languages

FIS/mpm: Overview and Financial Benefits

▪ *FIS*/mpm working environments for Data Initiators and SAP users

GUI for Initiator (Vendor Maintenance example)

New or amended data can be added or changed via a simplified web-interface. Essential fields are highlighted and custom-made fields could be added where appropriate.

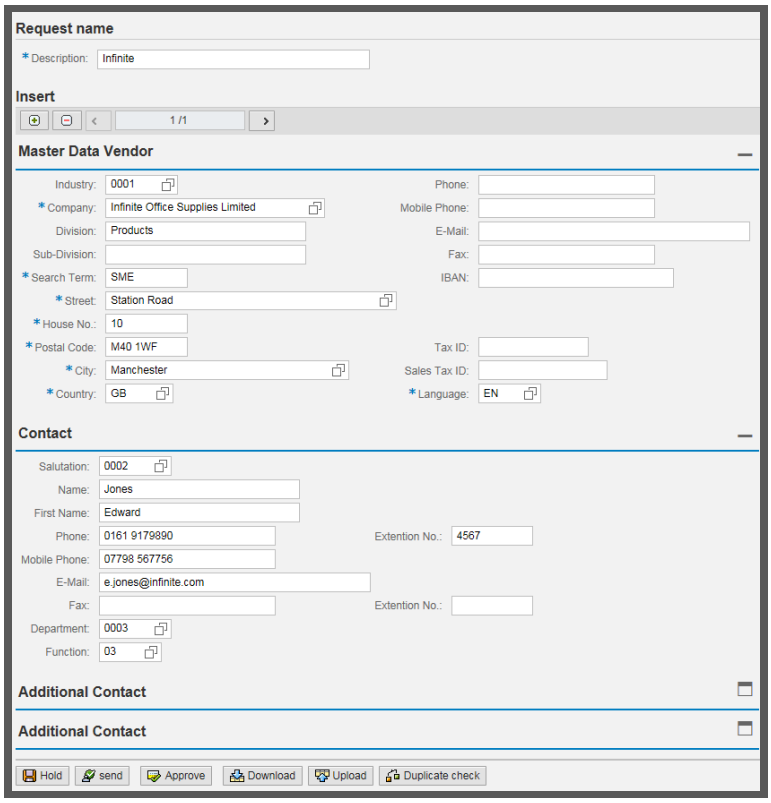
For multiple entries the initiator can download an Excel form and complete the data additions. The uploaded Excel form is also checked by *FIS*/mpm for feasibility and the completion of mandatory fields.

Furthermore, company specific Excel forms can also be directly uploaded into *FIS*/mpm and the cells can be mapped into the appropriate positions within the staging area tables.

Duplication checks are introduced at the initial stage.

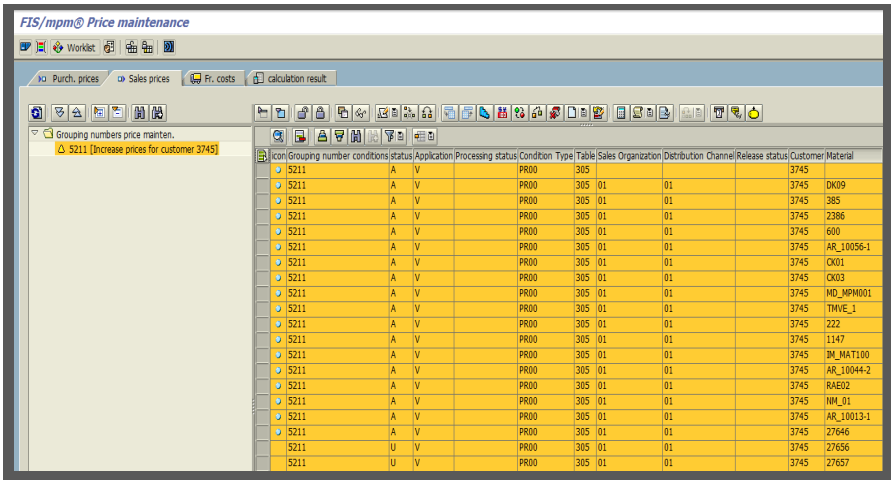
The initial data can be work-flowed to colleagues for approval or for further data enrichment.

Once approved, the data is transported to a “Worklist” for the SAP team members for checking.



GUI for SAP Users (Price and Conditions)

Once the initiators work has been checked, validated and approved the information is transported into the FIS/mpm worklists. The worklists illustrate the new data in the staging area of FIS/mpm — extended tables within the SAP database.



Here the SAP team work in a familiar SAP environment but with additional functions that provides fast checking.

Depending on the permission status of the user the refined data can be released into SAP ERP.

Fast Price and Condition Changes

In illustrated example - material prices are moved into the *FIS*/mpm staging area from the host SAP system. Here the prices can be increased or decreased rapidly and released to SAP immediately or on a pre-set date.

This function allows organisations to react quickly to market conditions or to offer special prices to individual customers.

Vendor Creation and Fast Changes to Price and Conditions

- **Combination of SMART technologies**
- **Simplified Central Data Transports**
- **OCR technology — New Vendor Creation**

FIS/mds (master data server)

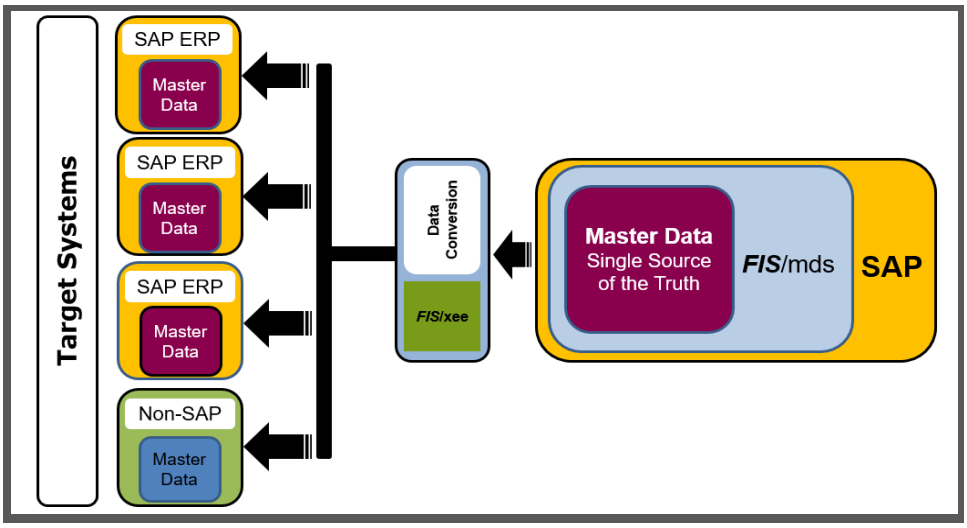
FIS/mpm combined with the connectivity application *FIS*/xee provide the fundamental building blocks for *FIS*/mds.

The key function of *FIS*/mds is to consolidate the corporate master data maintenance function and synchronise the data across several enterprise applications, both SAP and non-SAP.

The FIS/mds module ensures that data duplications are eliminated and the "single source of the truth" is available throughout the enterprise.

This function is particularly valuable when a new business unit is formed, merged or when a new organisation is acquired.

Also a centralised *FIS*/mds hub could be utilised to populate other ERP systems at country or regional level.



The data can be imported from the target systems via *FIS*/mds. Data exports to target systems can be released immediately or scheduled i.e. to facilitate new product launches or to introduce new pricing strategies.

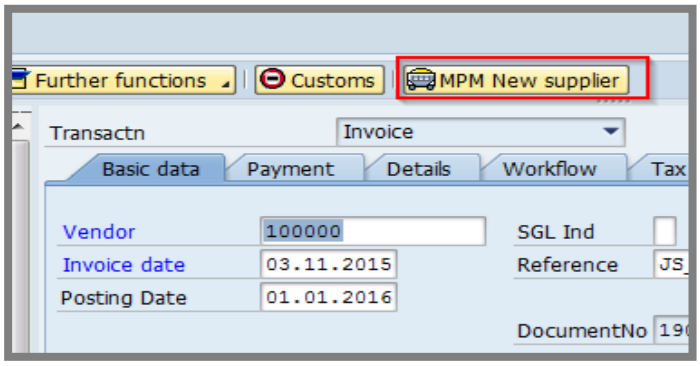
FIS/mds logs changes to the master data, making it easier to audit and review. In addition, the master data transports from *FIS*/mds to the target systems generate automatic reports to highlight successful migrations and any errors within the process.

Vendor Maintenance - data entered automatically

One-time vendors (CpD accounts) address details can be captured automatically from a scanned or emailed invoice with the OCR reader — *FIS*/fci.

The data is converted to standard SAP IDoc format (via *FIS*/xee) and presented automatically to the Accounts Payable team as a "parked" invoice within the invoice processing solution — *FIS*/edc (invoice monitor).

The one-time vendor address details can then be forwarded from within *FIS*/edc to a "Worklist" of a master data supervisor within *FIS*/mpm for data checking and approval. Once the new vendor details are released into SAP, the invoice can then be progressed.



The combined functionality of several FIS SMART technologies ensures that data quality is optimised and time consuming data entry-tasks for vendor maintenance are minimised.

FIS/mpm: SMART Technology Combinations

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