

QM - Quality Management: Data Transfer



HELP.CAGTFADM-QM

Release 4.6C



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Icons

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
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QM - Quality Management: Data Transfer

Purpose

The Data Transfer Workbench supports the transfer of QM data to an SAP system.

If you have a large volume of data, it is especially useful to use the Workbench because it ensures efficient data transfer and data consistency in the SAP system.

Features

In the QM component, the Data Transfer Workbench has the following functions:

- Data transfer of master inspection characteristics
- Data transfer of inspection methods
- Data transfer of inspection plans

Information Sheet on Transferring QM Master Inspection Characteristics

Information Sheet on Transferring QM Master Inspection Characteristics

A. Object Profile

Object Name and Identification

Name of application object	Master inspection characteristic
Name of business object (BOR object)	QPMK
DX Workbench object and possibly subobject number(s) (DX Workbench <= 4.5)	-
Change document object supported?	No
Long text object	Yes
Category of data	Master data
Numbering	External
SAP field for the legacy number available?	No

Transactions

Create	QS21
Change	QS23
Display	QS24
Delete	QS25

Other Programs

Reports for post load verification and analyzing of data transferred	General stock list (QS28)
Mass delete program function?	No
Change program available? Mass maintenance tool applicable?	No

Tables/Databases

Main tables	QPMK (master inspection characteristic) QPMT (short texts for master inspection characteristic) STXH (long texts for master inspection characteristic) STXL (long texts for master inspection characteristic)
Main logical databases	QPMT: In logical database QMQ
Tablespace	-

Customizing

Customizing activities that affect data transfer	-
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Information Sheet on Transferring QM Master Inspection Characteristics

Time and Sequence

Time for the transfer	Any time for data transfer
Dependencies on other data	If the master inspection characteristic is classified and the classification should be transferred to the SAP system, the classes have to be available in the SAP system before the master inspection characteristics are posted. The same applies to assigned inspection methods and catalogs.

SAP Notes

SAP note no., version no.	None
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B. BI / DI Information

BI / DI data transfer program	-
Special notes and constraints	-
User exits or BAdis available?	-
Program for generating test data	-
Append structures	-
Z-structures	-
NODATA character	-
RESET character	-

C. BAPI Information

Required authorization?	Q_STA_QPMK, Q_MASTERD
Business object method	SaveReplica
Message type	QPMK
IDoc type	QPMK01
Workflow for error handling	No
Which attributes are covered? Are all necessary parameters included? If not, which ones are not included?	All attributes (see QPMK, QPMT) All the required parameters are included.
Are the created objects rendered in a message within the standard parameter RETURN? *	No
Test run flag (for details see *)	No
Mass update possible? Is the buffer concept implemented?	Yes Yes

Information Sheet on Transferring QM Master Inspection Characteristics

Is the BAPI extensible? - Parameter extensionIn/extensionOut? - User exits or BAdis available?	Yes
Program for generating test data?	RBDSEQPMK
Special notes for parallel runs	No restrictions
Special notes and constraints	The IDoc does not have a hierarchical structure. The IDoc interface was automatically created using ALE-BAPI generation.

* See the guide 'BAPI Development for Mass Data Transfer'.

D. EDI Information

Message type	-
IDoc type	-
X12 message type	-
Edifact message type	-
Output type used?	-
Workflow for error handling	-
Processing program	-
Special notes and constraints	-

Information Sheet on Transferring QM Inspection Methods

A. Object Profile

Object Name and Identification

Name of application object	Inspection method
Name of business object (BOR object)	QMTB
DX Workbench object and possibly subobject number(s) (DX Workbench <= 4.5)	-
Change document object supported?	No
Long text object	Yes
Category of data	Master data
Numbering	External
SAP field for the legacy number available?	No

Transactions

Create	QS31		
Change	QS33		
Display	QS34		
Delete	QS35		

Other Programs

Reports for post load verification and analyzing of data transferred	General stock list (QS38)
Mass delete program function?	No
Change program available? Mass maintenance tool applicable?	No

Tables/Databases

Main tables	QMTB (Inspection method master) QMTT (short texts for inspection method) STXH (long texts for inspection method) STXL (long texts for inspection method)
Main logical databases	QMTB: In logical database PGQ QMTT: In logical databases PGQ and QTQ
Tablespace	-

Information Sheet on Transferring QM Inspection Methods

Customizing

Customizing activities that affect data transfer	-
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Time and Sequence

Time for the transfer	Any time for data transfer
Dependencies on other data	If the inspection method is classified and the classification should be copied to the SAP system, the classes must already be available in the SAP system before the inspection methods are posted. The same applies to assigned documents.

SAP Notes

SAP note no., version no.	None
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B. BI / DI Information

BI / DI data transfer program	-
Special notes and constraints	-
User exits or BAdis available?	-
Program for generating test data	-
Append structures	-
Z-structures	-
NODATA character	-
RESET character	-

C. BAPI Information

Required authorization?	Q_STA_QMTB, Q_MASTERD
Business object method	SaveReplica
Message type	QSMT
IDoc type	QSMT01
Workflow for error handling	No
Which attributes are covered? Are all necessary parameters included? If not, which ones are not included?	All attributes (see QMTB, QMTT) All the required parameters are included.
Are the created objects rendered in a message within the standard parameter RETURN? *	No
Test run flag (for details see *)	No
Mass update possible? Is the buffer concept implemented?	Yes Yes

Information Sheet on Transferring QM Inspection Methods

Is the BAPI extensible? - Parameter extensionIn/extensionOut? - User exits or BAdis available?	Yes
Program for generating test data?	RBDSEQSMT
Special notes for parallel runs	No restrictions
Special notes and constraints	The IDoc does not have a hierarchical structure. The IDoc interface was automatically created using ALE-BAPI generation.

* See the guide 'BAPI Development for Mass Data Transfer'.

D. EDI Information

Message type	-
IDoc type	-
X12 message type	-
Edifact message type	-
Output type used?	-
Workflow for error handling	-
Processing program	-
Special notes and constraints	-

Information Sheet on Transferring Inspection Plans

Information Sheet on Transferring Inspection Plans

A. Object Profile

Object Name and Identification

Name of application object	Inspection plan
Name of business object (BOR object)	BUS1191
DX Workbench object and possibly subobject number(s) (DX Workbench <= 4.5)	240
Change document object supported?	Yes
Long text object	Yes
Category of data	Master data
Numbering	Both
SAP field for the legacy number available?	Yes, PLNNR_ALT

Transactions

Create	CWBQM
Change	CWBQM
Display	CWBQM
Delete	CWBQM

Other Programs

Reports for post load verification and analyzing of data transferred	No
Mass delete program function?	No
Change program available? Mass maintenance tool applicable?	No

Tables/Databases

Main tables	PLKO, MAPL, PLNFL, PLAS, PLPO, PLFH, PLMK
Main logical databases	PNM
Tablespace	-

Customizing

Customizing activities that affect data transfer	-
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Time and Sequence

Time for the transfer	At any time, as long as the referenced objects are already available (material, master inspection characteristics, PRT....).
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Information Sheet on Transferring Inspection Plans

Dependencies on other data	<p>The material master and work centers must be already available in the system.</p> <p>If they are used, the following must also be available:</p> <p>Change numbers, reference operation sets, production resources/tools, master inspection characteristics (class characteristics), inspection methods, sampling procedures, dynamic modification rules, and catalogs.</p>
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SAP Notes

SAP note no., version no.	Not available previously.
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B. BI / DI Information

BI / DI data transfer program	-
Special notes and constraints	-
User exits or BAdis available?	-
Program for generating test data	-
Append structures	-
Z-structures	-
NODATA character	-
RESET character	-

C. BAPI Information

Required authorization?	Q_ROUT, Q_PLN_FEAT
Business object method	CREATE
Message type	INSPECTIONPLAN_CREATE
IDoc type	INSPECTIONPLAN_CREATE01
Workflow for error handling	-
Which attributes are covered? Are all necessary parameters included? If not, which ones are not included?	All
Are the created objects rendered in a message within the standard parameter RETURN? *	Yes
Test run flag (for details see *)	Yes
Mass update possible? Is the buffer concept implemented?	Yes
Is the BAPI extensible? - Parameter extensionIn/extensionOut? - User exits or BAdis available?	-

Information Sheet on Transferring Inspection Plans

Program for generating test data?	RQ_PLAN_CREATE_SAMPLE_FILE
Special notes for parallel runs	-
Special notes and constraints	-

* See the guide 'BAPI Development for Mass Data Transfer'.

D. EDI Information

Message type	INSPECTIONPLAN_CREATE
IDoc type	INSPECTIONPLAN_CREATE01
X12 message type	-
Edifact message type	-
Output type used?	-
Workflow for error handling	-
Processing program	IDOC_INPUT_INSPECTIONPLAN_CREA
Special notes and constraints	-

Information Sheet on Transferring Reference Operation Sets

A. Object Profile

Object Name and Identification

Name of application object	Reference operation set
Name of business object (BOR object)	BUS1190
DX Workbench object and possibly subobject number(s) (DX Workbench <= 4.5)	0170
Change document object supported?	Yes
Long text object	Yes
Category of data	Master data
Numbering	Both
SAP field for the legacy number available?	Yes, PLNNR_ALT

Transactions

Create	CEWB
Change	CEWB
Display	CEWB
Delete	CEWB

Other Programs

Reports for post load verification and analyzing of data transferred	No
Mass delete program function?	No
Change program available? Mass maintenance tool applicable?	No

Tables/Databases

Main tables	PLKO, MAPL, PLNFL, PLAS, PLPO, PLFH, PLMZ, PLMK
Main logical databases	PNM
Tablespace	-

Customizing

Customizing activities that affect data transfer	SLGO (object and subobject definition for EWB objects in the application log)
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Information Sheet on Transferring Reference Operation Sets

Time and Sequence

Time for the transfer	At any time, as long as the referenced objects are already available (material, bills of material, PRT....).
Dependencies on other data	The material master, work centers, and bills of material must be already available in the system. If they are used, the following must also be available: Change numbers, reference operation sets, production resources/tools, master inspection characteristics (class characteristics), inspection methods, sampling procedures, dynamic modification rules, and catalogs.

SAP Notes

SAP note no., version no.	Not available previously.
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B. BI / DI Information

BI / DI data transfer program	-
Special notes and constraints	-
User exits or BAdis available?	-
Program for generating test data	-
Append structures	-
Z-structures	-
NODATA character	-
RESET character	-

C. BAPI Information

Required authorization?	C_ROUT
Business object method	CREATE
Message type	REFSETOFOPERATIONS_CREATE
IDoc type	REFSETOFOPERATIONS_CREATE01
Workflow for error handling	-
Which attributes are covered? Are all necessary parameters included? If not, which ones are not included?	All
Are the created objects rendered in a message within the standard parameter RETURN? *	Yes
Test run flag (for details see *)	Yes
Mass update possible? Is the buffer concept implemented?	Yes

Information Sheet on Transferring Reference Operation Sets

Is the BAPI extensible? - Parameter extensionIn/extensionOut? - User exits or BAdis available?	-
Program for generating test data?	REFSETOFOPR_CREATE_SAMPLE_FILE
Special notes for parallel runs	The bills of material used must be different when editing the component assignments. For external number assignment for the task list group, the task list groups must be different.
Special notes and constraints	-

* See the guide 'BAPI Development for Mass Data Transfer'.

D. EDI Information

Message type	REFSETOFOPERATIONS_CREATE
IDoc type	REFSETOFOPERATIONS_CREATE01
X12 message type	-
Edifact message type	-
Output type used?	-
Workflow for error handling	-
Processing program	IDOC_INPUT_REFSETOFOPR_CREATE
Special notes and constraints	1. -