

# **WebSphere MQ Integrator - Gold message set definitions**

**Version 1.0**

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**Take Note!**

Before using this report be sure to read the general information under "Notices".

**Second Edition, January 2002**

This edition applies to Version 1.0 of *WebSphere MQ Integrator - Gold message set definitions*. It will apply to all subsequent releases and modifications unless otherwise indicated in new editions.

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## Notices

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## Summary of Amendments

<b>Date</b>	<b>Changes</b>
11 September 2000	Initial release
24 January 2002	Changes made to the documentation to take account of availability of WebSphere MQ Integrator V2.1. No changes have been made to the Gold message Set definitions.

## **Preface**

The Gold message set has been developed and extensively used over the last five years, in many live customer sites, as the basis of the Interactive Financial Services (IFS) system for routing financial transactions.

The two Gold message sets supplied in this SupportPac have been minimally re-engineered to allow their use with WebSphere MQ Integrator.

## Introduction

The Gold message set provides a proven standard message model designed to support a wide range of financial activities including consumer and small business banking; consumer and small business bill payment; bill presentment and investments. It will be of interest to the data designer wishing to develop a message set, and may provide a basis for your company's message set, with little customization.

### *Two sizes*

The two Gold message sets supplied in this SupportPac have been minimally re-engineered to allow their use with WebSphere MQ Integrator. The smaller of the two message sets is a subset of the larger one and is intended for use by those users that only wish to use the Gold message set as a template for their own definitions.

### *Prerequisites*

Implementation of this SupportPac requires that MQSeries Integrator V2.0.1, MQSeries Integrator V2.0.2 or WebSphere MQ Integrator V2.1 has been successfully installed, a message repository has been defined and a Configuration Manager has been created.

**Note:** All references to WebSphere MQ Integrator in this document imply WebSphere MQ Integrator V2.1.

## Installation

### *Files supplied*

The SupportPac consists of a zip file, *ia02.zip*.

The zip file contains two message sets, in exported XML format. Each of these message sets is based on the IFS message set **SMD/GOLD 99 R01 M02**. The smaller of the two files is a subset of the larger. These message set files are *mqsiFull9912.mrp*, and *mqsiSmall9912.mrp*. The file sizes are as follows:

<b>File</b>	<b>Size</b>
<i>mqsiFull9912.mrp</i>	27,400,934 bytes
<i>mqsiSmall9912.mrp</i>	8,352,633 bytes

### *Before importing a file*

#### *Database log file sizes*

You may need to increase the size of your database logfiles.

#### *Swap file size*

The import command may fail with error -950. If this happens, try the following:

1. Close all programs
2. Increase the size of your swap file
3. Reboot the machine
4. Try the *mqsimrmimpexp* again.

### *Import Procedure*

The command *mqsimrmimpexp* is supplied as part of the WebSphere MQ Integrator tool.

From the command line, run *mqsimrmimpexp* in import mode:

For example, to import the message set *mqsiSmall9912.mrp* into database MRMDB

```
mqsimrmimpexp -I MRMDB dbUserid dbPassword drv:\dir\mqsiSmall9912.mrp
```

## Gold Naming Conventions

### *Category Naming Convention*

All Category identifier names should contain the following conventions:

Convention	Description
Standard Abbreviation(s)	Indicates the meaning of the Category. Each abbreviation should be in Uppercase. Each abbreviation is separated by '_'. Abbreviations are documented in Appendix 1 of this book.

The following illustrates the use of naming conventions in Category names:

Name	Description
BILL_PAYMENT	Bill Payment category
INVESTMENT	Investment Category

### *Transaction Naming Convention*

All Transactions identifier names should contain the following conventions.

Convention	Description
Standard Abbreviation(s)	Indicates the meaning of the transaction. Each abbreviation should be in Uppercase. Each abbreviation is separated by '_'. Abbreviations are documented in Appendix 1 of this book.
_TXN	All transaction identifier names should end with this.

The following table illustrates the use of naming conventions in Transaction names:

Name	Description
ACCT_DTL_TXN	Account Detail Inquiry Transaction
BAL_INQ_TXN	Balance Inquiry Transaction

## ***Message Naming Convention***

All Message identifier names should contain the following conventions:

<b>Convention</b>	<b>Description</b>
Standard Abbreviation(s)	Indicates the meaning of the message. Each abbreviation should be in Uppercase. Each abbreviation is separated by '_'. Abbreviations are documented in Appendix 1 of this book.
_IMSG or _OMSG	Request messages should end with _IMSG and Response messages should end with _OMSG.

The following table illustrates the use of naming conventions in Message names:

<b>Name</b>	<b>Description</b>
ACCT_DTL_IMSG	Account Detail Inquiry Input Message
BAL_INQ_OMSG	Balance Inquiry Output Message

## ***Element Tag Naming Conventions***

Each Gold Element tag name will contain the following conventions.

<b>Convention</b>	<b>Description</b>
Standard Abbreviation(s)	Indicates the meaning of the data item or structure. Each abbreviation begins with an initial uppercase letter followed by lowercase letters. Abbreviations are documented in Appendix 1 of this book.
Data Item Classification	Clarifies the meaning of the data item. All data item classifications are documented on page 8.
Tg	Indicates a Definition Tag Name. "Tg" follows all tag names.

The following table illustrates the use of naming conventions in tag names:

<b>Tag Name</b>	<b>Field Description</b>
AcctNbrldTg	Account Number Identifier
AcctNckNmTg	Account Nickname
IntRateTg	Interest Rate
LdgrBalAmtTg	Ledger Balance Amount
DlvyMethIndTg	Delivery Method Selection

### ***Type Naming Convention***

All Type identifier names should contain the following conventions:

<b>Convention</b>	<b>Description</b>
Standard Abbreviation(s)	Indicates the meaning of the type. Each abbreviation should be in Uppercase. Each abbreviation is separated by '_'. Abbreviations are documented in Appendix 1 of this book.
Data Item Classification	Clarifies the meaning of the data item. All data item classifications are documented on page 8. This should be in uppercase.

The following table illustrates the use of naming conventions in Type names:

<b>Name</b>	<b>Description</b>
GOLD_CURR	Gold Currency
IFS_ACCT_DTL	IFS Account Detail

## ***Context Tag Naming Conventions***

Each Gold context tag name will contain the following conventions:

<b>Convention</b>	<b>Description</b>
Standard Abbreviation(s)	Indicates the meaning of the data item or structure. Each abbreviation begins with an initial uppercase letter followed by lowercase letters. Abbreviations are documented in the following sections of this book.
Data Item Classification	Clarifies the meaning of the data item. All data item classifications are documented on page 8.
CxTg	Indicates a Context Tag Name. "CxTg" follows all tag names.

The following table illustrates the use of naming conventions in tag names:

<b>Tag Name</b>	<b>Field Description</b>
CnsmrAcctNbrIdCxTg	Consumer Account Number Identifier
TrgtAcctNckNmCxTg	Target Account Nickname
MortIntRateCxTg	Mortgage Interest Rate
DepLdgrBalAmtCxTg	Deposit Ledger Balance Amount
ChkBookDlvyMethIndCxTg	Check Book Delivery Method Selection

## ***Valid Value Naming Convention***

All Valid Value identifier names should contain the following conventions:

<b>Convention</b>	<b>Description</b>
Standard Abbreviation(s)	Indicates the meaning of the valid value. Each abbreviation should be in Uppercase. Each abbreviation is separated by '_'. Abbreviations are documented in Appendix 1 of this book.

The following table illustrates the use of naming conventions in Valid Value names:

<b>Name</b>	<b>Description</b>
ACCT_MAT	Account Matured
CR_INT_TXN	Credit Interest Transaction

### ***Length Naming Convention***

All Length identifier names should contain the following conventions:

<b>Convention</b>	<b>Description</b>
Standard Abbreviation(s)	Indicates the meaning of the length identifier. Each abbreviation should be in Uppercase. Each abbreviation is separated by '_'. Abbreviations are documented in Appendix 1 of this book.
Data Item Classification	Clarifies the meaning of the length identifier. All data item classifications are documented on page 8.
_LEN	All Length Identifiers should end with this.

The following table illustrates the use of naming conventions in Length names:

<b>Name</b>	<b>Description</b>
ACCT_NBR_LEN	Account Number Length
CITY_NM_LEN	City Name Length

## Standard Data Item Classification

This section provides a list of the standard data item classification abbreviations and their descriptions.

Classification	Description
Amt	Amount (Decimal)
Cl	Classification/Code. Use when TpCl is not possible.
Desc	Description
Dt	Date.
F	Flag (Boolean)
Id	Identifier
Key	Concatenated Key. Use Id for single key attributes, and Key where more than one attribute is required or where the relationship is part of the key.
Lst	List of Items. Multiple Instances or Repeat Item.
Nm	Name
Resp	Response. Usually used to group information in a response message.
Rqst	Request. Usually used to group information in a request message.
Tm	Time
Tmstp	Time Stamp.
TpCl	Classification/Code. Use Cl if name is too long.
Txt	Text. Use it for free-format information, not specifically describing an object.
Val	Value. Integer or alphanumeric. Not to be used to describe a valid classification.
Rate	Rate. Use this for Interest Rate where the number of decimal places may vary.

**Note:** For a comprehensive list of the standard abbreviations used in Gold, see *Appendix 1, "Standard Abbreviations."*

## Appendix 1. Standard Abbreviations

This appendix lists the standard abbreviations used in the SupportPac message set when defining and naming fields.

<b>Name</b>	<b>Abbreviation</b>
Abbreviate	ABBR
Abbreviated	ABBR
Abbreviation	ABBR
Absolute	ABSL
Accept	ACPT
Acceptance	ACPT
Access	ACCS
Access code	ACOD
Accessed	ACCS
Account	ACCT
Accountable	ACCTB
Accounting	ACTG
Accounting Unit	AU
Accounts	ACCT
Accretion	ACRTN
Accrual	ACRU
Accrue	ACRU
Accrued	ACRU
Accumulate	ACCUM
Accumulated	ACCUM
Accumulator	ACCUM
Achieve	ACHV
Achievement	ACHV
Acknowledge	ACK
Acknowledged	ACK
Acknowledgment	ACK
Acquire	ACQ
Acquired	ACQ
Acquisition	ACQ
Action	ACTN
Active	ACTV
Activity	ACTY

<b>Name</b>	<b>Abbreviation</b>
Actual	ACT
Add	ADD
Additional	ADDL
Address	ADDR
Addressable	ADDRB
Adjust	ADJ
Adjusted	ADJ
Adjustment	ADJ
Administration	ADMIN
Administrative	ADMIN
Advance	ADV
Advantage	ADVT
Advertisement	ADVG
Advertising	ADVG
Advice	ADV
Advisor	ADV
Affair	AFFR
After	AF
Against	AGNST
Age	AGE
Agency	AGNC
Agenda	AGND
Agent	AGNT
Aggregate	AGRT
Aging	AGNG
Agreement	AGRM
Algorithm	ALGR
Allocate	ALCT
Allocated	ALCT
Allocation	ALCT
Allowable	ALWB
Allowance	ALWC
Alphabetic	ALPHA
Alphanumeric	AN
Alternate	ALT

<b>Name</b>	<b>Abbreviation</b>
Alternative	ALT
Amendment	AMDT
Amortization	AMRZ
Amortize	AMZ
Amortized	AMZ
Amount	AMT
Analysis	ANAL
Analyzed	ANAL
Announcement	ANCM
Annual	ANUL
Annual Percentage Rate	APR
Anonymous	ANON
Anonymous Customer	ACUST
Answer	ANSR
Anticipated	ANTCP
Append	APND
Applicable	APLC
Application	APPL
Application Development	AD
Application Program Interface	API
Apportioned	APOR
Appraisal	APRS
Approval	APRV
Approve	APRV
Approved	APRV
Archive	ARCHV
Area	AREA
Argument	ARGM
Arithmetic	ARTHM
Arrangement	AR
Arrears	ARRS
Arrival	ARRV
Arrived	ARRV
As	AS
Assessed	ASES

<b>Name</b>	<b>Abbreviation</b>
Assessment	ASES
Asset	ASST
Assets	ASST
Assigned	ASGN
Association	ASSOC
Assumption	ASMP
Attempt	ATTMPT
Attribute	ATTR
Audience	AUDNC
Audit	AUDT
Authentication	AUTH
Author	AUTHR
Authority	AUTH
Authorization	AUTH
Automated	AUTO
Automated Clearing House	ACH
Automated Teller Machine	ATM
Availability	AVAL
Available	AVAIL
Average	AVG
Back	BACK
Back End Agent	BEA
Bad	BAD
Balance	BAL
Bank	BNK
Bankrupt	BNKR
Base	BASE
Based	BASE
Basic	BASC
Basis	BASIS
Batch	BTCH
Bearing	BRG
Begin	BEG
Beginning	BEG
Beneficiary	BENF

<b>Name</b>	<b>Abbreviation</b>
Benefit	BNFT
Bi-directional	BIDIR
Bill	BILL
Bill Pay	BP
Biller	BILLER
Billing	BILL
Binary	BINARY
Birth	BIRTH
Bit	BIT
Bitmap	BMP
Block	BLOCK
Body	BODY
Bond	BOND
Book	BODY
Boolean	BOOLN
Borrowed	BRWD
Box	BOX
Branch	BR
Brand	BRND
Break	BRK
Broadcast	BRDCST
Browse	BRWS
Browser	BRWSER
Budget	BDGT
Budgeted	BDGT
Building	BLD
Bullion	BLLN
Bureau	BUREA
Business	BUSN
Business Direction Item	BD
Calculate	CALC
Calculated	CALC
Calendar	CLNDR
Call	CALL
Campaign	CMPGN

<b>Name</b>	<b>Abbreviation</b>
Cancel	CNCL
Cancellation	CNCL
Capability	CPBL
Capacity	CPCTY
Capital	CAPT
Capture	CAP
Card	CARD
Cash	CASH
Catalog	CTLG
Catcher	CTCH
Categorization	CAT
Categorized	CAT
Category	CAT
Cause	CAUS
Cell	CELL
Center	CNTR
Centralize	CNTRZ
Certificate	CRTF
Certification, Certify	CRTF
Change	CHNG
Channel	CHNL
Character	CHAR
Characteristic	CHAR
Charge	CHRG
Charged	CHRG
Chart	CHRT
Chattel	CHTL
Check	CHK
Checks	CHK
Cheque	CHK
Chief	CHIEF
Circulation	CRCL
Citizenship	CTZNSHP
City	CITY
Claim	CLM

<b>Name</b>	<b>Abbreviation</b>
Class	CLSS
Classification	CL
Classified	CLSFD
Clause	CLAUS
Clearance	CLRC
Cleared	CLRD
Clearing	CLRG
Clearing House Interbank Payment System (NY)	CHIPS
Client	CLNT
Close	CLS
Closed	CLS
Closing	CLS
Closure	CLS
Club	CLUB
Code	CODE
Collateral	COLAT
Collateralized	COLAT
Collateralizing	COLAT
Collected	COLL
Collection	COLL
Column	COLMN
Combine	CMB
Combined	CMB
Command	CMND
Comment	CMNT
Commercial	CMRCL
Commission	CMSN
Commitment	CMMT
Committee	CMTE
Commodity	CMDTY
Common	COM
Communication	COMM
Company	CO
Comparable	CMPR
Compare	CMPR

<b>Name</b>	<b>Abbreviation</b>
Compared	CMPR
Compensation	CMPSN
Competency	CMPCN
Complaint	CMPLT
Complete	COMPL
Completed	COMPL
Completion	COMPL
Complex	CMPLX
Compliance	CMPLN
Component	CMPT
Composite	CMPOS
Composition	CMPOS
Compound	CMPD
Compounded Average Growth Rate	CAGR
Computation	CMPTN
Concept	CNCPT
Condition	CD
Confidence	CONFID
Confidential	CONFID
Confidentiality	CONFID
Confirm	CFRM
Confirmation	CFRM
Confirmed	CFRM
Conflict	CFLT
Consideration	CNSD
Consolidated	CNSLD
Constant	CNST
Constrained	CNSTRN
Constraint	CNSTRNT
Consumer	CNSMR
Contact	CNTC
Contains	CNTN
Content	CNTNT
Context	CNTXT
Contingency	CNTGY

<b>Name</b>	<b>Abbreviation</b>
Continue	CONT
Continued	CONT
Contra	CNTRA
Contract	CNTRC
Contribute	CNTB
Contribution	CNTB
Control	CNTL
Conversion	CNVR
Convert	CNVR
Converted	CNVR
Convertibility	CNVR
Co-operative	COOP
Coordinate	COORD
Copy	COPY
Copyright	CPYRT
Core Controller	CRC
Corporate	CORP
Corporation	CORP
Correct	CORR
Corrected	CORR
Correction	CORR
Correspond	CRSP
Correspondent	CRSP
Co-signatory	COSGNTR
Cost	COST
Count	CNT
Counter	CNTER
Counterparty	CNTPR
Country	CNTRY
County	CNTY
Cover	CVR
Create	CRTN
Created	CRTN
Creation	CRTN
Credibility	CRDBL

<b>Name</b>	<b>Abbreviation</b>
Credit	CR
Credit Card	CC
Criteria	CRIT
Critical Success Factor	CSF
Cross	CRS
CSR/TSR Workstation	CTW
Cumulative	CMLV
Currency	CURR
Currency Code	CC <sup>1</sup>
Current	CRNT
Cursor	CRSR
Custodial	CSTD
Custodian	CSTD
Custom	CSTM
Customer	CUST
Customer Information File	CIF
Customization	CSTMZ
Customer Service Representative	CSR
Cutoff	CTF
Cycle	CYC
Cyclical	CYC
Daily	DLY
Data	DATA
Data Dictionary	REPOS
Data Isolation Module	DIM
Database 2	DB2
Date	DT
Date Format	DF <sup>1</sup>
Date Value	DV <sup>1</sup>
Date Of Birth	DOB
Day	DAY
Days	DAYS
Deal	DEAL
Death	DEATH
Debit	DR

<b>Name</b>	<b>Abbreviation</b>
Debit/Credit	DC <sup>1</sup>
Debt	DBT
Deceased	DSCD
Decimal	DCML
Decimal Data	DD <sup>1</sup>
Decimal Precision	DP <sup>1</sup>
Decision	DCSN
Declaration	DCLN
Decomposition	DCMP
Decrease	DEC
Default	DFLT
Defined	DFND
Definition	DEFN
Delete	DEL
Deleted	DEL
Deletion	DEL
Delinquent	DLQNT
Deliverability	DLVB
Deliverable	DLVB
Delivery	DLVY
Demand	DMND
Demographic	DEMOG
Denomination	DNMN
Depart	DPRT
Departed	DPRT
Department	DEPT
Dependent	DPND
Deployment	DPLY
Deposit	DEP
Depository	DEPST
Derivative	DRVT
Derived	DRVD
Description	DESC
Design	DSGN
Designate	DESG

<b>Name</b>	<b>Abbreviation</b>
Designation	DESG
Designator	DESG
Desired	DSRD
Desktop	DSKTP
Destination	DEST
Detail	DTL
Determine	DETR
Develop	DVLP
Deviation	DVTN
Device	DEVC
Diagnostic	DIAGN
Difference	DIF
Digit	DIGIT
Direct Debit	DD
Direction	DIR
Disability	DSBL
Discount	DSC
Discretionary	DSCR
Dishonored	DISHN
Dispatch	DSP
Display	DSPL
Disposition	DSPN
Dispute	DSPT
Dissolved	DSLX
Distinguished	DIST
Distribution	DST
Document	DOC
Documentation	DOC
Documented	DOC
Dollar	DLR
Domestic	DMST
Domicile	DOMC
Dow Jones	DJ
Down	DOWN
Draft	DRFT

<b>Name</b>	<b>Abbreviation</b>
Drawdown	DRDWN
Drawing	DRWG
Driver	DRVR
Due	DUE
Duplicate	DUP
Duplication	DUP
Duration	DURATION
Each	EACH
Economic	ECON
Edit	EDIT
Education	ED
Effect	EFF
Effective	EFF
Electronic	ELEC
Electronic Funds Point of Sale	EFPOS
Electronic Funds Transfer	EFT
Electronic Mail	EMAIL
Element	ELMT
Elevator	ELEV
Eligible	ELIG
Eligibility	ELIG
Email	EMAIL
Employed	EMP
Employee	EMP
Employment	EMP
Employment Position	EPOS
Employer	EMPR
Encrypt	ENCRYPT
Encrypted	ENCRYPT
Encryption	ENCRYPT
Encumbrance	ENCB
Encyclopedia	ENCYC
End	END
End of Day	EOD
End of Year	EOY

<b>Name</b>	<b>Abbreviation</b>
Enterprise	ENTP
Entity	ENT
Entry	ENTR
Environment	ENV
Equal	EQ
Equation	EQ
Equipment	EQMT
Equity	EQTY
Error	ERR
Escrow	ESCRW
Establish	ESTB
Established	ESTB
Estimate	ESTM
Estimated	ESTM
Ethnic	ETHN
Evaluate	EVAL
Evaluation	EVAL
Event	EV
Exception	EXCP
Exchange	EXCH
Execute	EXEC
Executed	EXEC
Execution	EXEC
Executive	EXECV
Exempt	EXMPT
Exemption	EXMPT
Expand	EXPAN
Expanded	EXPAN
Expansion	EXPAN
Expected	EXPC
Expedite	EXPD
Expedited	EXPD
Expediting	EXPD
Expense	EXPEN
Expenses	EXPEN

<b>Name</b>	<b>Abbreviation</b>
Expire	EXPR
Expiration	EXPR
Expired	EXPR
Exported	EXPRT
Exposure	EXPS
External	EXT
Face	FACE
Facility	FAC
Facsimile	FAX
Factor	FCTR
Fail	FAIL
Failed	FAIL
Family	FAM
Fax	FAX
Feature	FTR
Federal	FED
Fee	FEE
Fetch	FTCH
Fiduciary	FDCR
Field	FLD
File	FILE
Final	FNL
Finance	FNCE
Financial	FNCL
Financial Institution	FI
Financial Summary	FSUM
Find	FIND
First	FRST
Fiscal Year	FYR
Fix	FIX
Flag	F
Float	FLOT
Floor	FLR
Folder	FLDR
Footer	FOTR

<b>Name</b>	<b>Abbreviation</b>
Forecast	FRCST
Forecasted	FRCST
Foreign	FRGN
Foreign Exchange	FX
Form	FORM
Format	FMT
Formatter	FMT
Forward	FWD
Found	FND
Frame	FRM
Free	FREE
Frequency	FREQ
From	FM
Fulfillment	fulf
Function	FUNC
Fund	FUND
Future	FUTURE
Gender	GNDR
General	GNRL
General Ledger	GL
Generate	GEN
Generated	GEN
Generation	GEN
Generic	GENERIC
Geographic	GEO
Geographical	GEO
Geopolitical	GEOPL
Global	GLBL
GMT Offset in Minutes	GM <sup>1</sup>
Goal	GOAL
Gold	GOLD
Government	GOVT
Grade	GRD
Grand	GR
Graphic	GRPH

<b>Name</b>	<b>Abbreviation</b>
Greenwich Mean Time	GMT
Gross	GRS
Group	GRP
Growth	GRWT
Guarantee	GRNTE
Guideline	GDLN
Handle	HANDLE
Header	HDR
Headquarters	HQ
Health	HLTH
Hedge	HDG
Held	HELD
Heritage	HRTG
Hierarchy	HIER
High	HIGH
High Productivity System	HPS
Historical	HIST
History	HIST
Hold	HOLD
Holding	HLDG
Holiday	HOL
Home	HM
Hour	HR
Hours	HRS
House Hold	HH
IBM Global Network	IGN
Identification	ID
Identifier	ID
Identify	ID
Image	IMG
Immediate	IMMED
Impact	IMP
Implement	IMPL
Implementation	IMPL
Imported	IMPR

<b>Name</b>	<b>Abbreviation</b>
Improved	IMPV
Improvement	IMPV
In	IN
Inactive	INACT
Include	INCL
Inclusive	INCL
Income	INCM
Incompetent	INCMP
Incomplete	INCMP
Incorporated	INC
Increase	INCR
Incumbent	INCMBT
Index	IDNX
Indicator	IND
Individual	INDV
Individual Retirement Account	IRA
Industry	INDS
Information	INFO
Information Framework Solutions	IFS
Initial	INIT
Initialize	INIT
Initiate	INIT
Initiation	INIT
Input	INPT
Input Message	IMSG
Input Output	IO
Inquire	INQR
Inquiry	INQR
Insert	ISRT
Insolvent	ISLV
Instance	INSTN
Institution	INST
Instruction	INSR
Instrument	INSMT
Insurance	INS

<b>Name</b>	<b>Abbreviation</b>
Integer	INTG
Integrate	INTEG
Integrity	INTEG
Intensity	INTN
Interest	INT
Interface	INTF
Intermediate	INTR
Internal	INTL
International	INTL
International Standards Organization	ISO
Internet	INTRNT
Interval	ITRV
Intracompany	INTCO
Intraday	INTDAY
Invalid	INVAL
Inventory	IVNT
Invest	IVST
Invoice	INVOICE
Involved Party	IP
Involvement	IVOL
Inward	IWRD
Issue	ISSU
Issued	ISSU
Item	ITEM
Journal	JRNL
Jurisdiction	JRSD
Justification	JUST
Key	KEY
Label	LBL
Land	LAND
Language	LANG
Large	LRG
Last	LAST
Late	LATE
Lead	LEAD

<b>Name</b>	<b>Abbreviation</b>
Ledger	LDGR
Legal	LGL
Length	LEN
Lent	LENT
Level	LVL
Leverage	LVRG
Leveraged	LVRG
Liability	LIAB
Lien	LIEN
Life	LIFE
Life Cycle	LC
Life Cycle Status	LCST
Limit	LMT
Line	LINE
Line Of Credit	LOC
Linkage	LNKG
Liquid	LQUD
Liquidity	LQDTY
List	LIST
Loan	LN
Local	LCL
Local Area Network	LAN
Location	LO
Log	LOG
Logging	LOGGING
Logical	LOGL
Logoff	LOGOFF
Logon	LOGON
Long	LONG
Lost	LOST
Lot	LOT
Low	LOW
Loyalty	LYLTY
Mail	MAIL
Mainframe	MF

<b>Name</b>	<b>Abbreviation</b>
Maintain	MNT
Maintenance	MNT
Management	MGT
Manager	MGR
Managerial	MGRL
Mandatory	MAND
Manual	MNUL
Map	MAP
Margin	MRGN
Marital	MAR
Market	MKT
Marketing	MKT
Market Segment	MSEG
Mask	MASK
Mass	MASS
Match	MTCH
Matrix	MTRX
Maturity	MAT
Maximum	MAX
Means	MEAN
Measure	MSR
Measurement	MSRM
Media	MEDIA
Medium	MEDM
Member	MEMB
Membership	MEMB
Memo	MEMO
Merchant	MRCH
Merge	MRG
Message	MSG
Message Queue	MQ
Method	METH
Methodology	METHG
Middle	MDL
Milestone	MLST

<b>Name</b>	<b>Abbreviation</b>
Minimum	MIN
Minutes	MINS
Mode	MODE
Model	MODL
Modem	MODEM
Modify	MOD
Modulus	MD
Monetary	MNTR
Monitor	MON
Monitoring	MON
Month	MO
Monthly	MO
More	MORE
Mortgage	MORT
Movement	MVMT
Multi	MULTI
Multiple	MULTI
Municipality	MNCP
Name	NM
Named	NM
National	NAT
Nature	NATR
Navigate	NVG
Navigation	NVG
Negative	NEG
Negotiable	NEGT
Negotiate	NEGT
Negotiated	NEGT
Net	NET
Net Earnings Before Taxes	NEBT
Net Present Value	NPV
Network	NTWRK
Net Worth	NWRTH
New	NEW
Next	NXT

<b>Name</b>	<b>Abbreviation</b>
Nickname	NCKNM
No	NO
Node	NODE
Non	NON
Non-standard	NSTD
Non Sufficient Funds	NSF
Not	NOT
Not Applicable	NA
Note	NOTE
Notification	NOTF
Notify	NOTF
Null	NULL
Number	NBR
Numeric	NUM
Object	OBJ
Objective	OBJV
Obligation	OBLG
Occupation	OCP
Occur	OCCR
Occurrence	OCCR
Offering	OFRG
Office	OFFC
Officer	OFCR
Offline	OFF
Offset	OFST
Old	OLD
On	ON
Online	OL
Only	ONLY
Open	OPN
Opened	OPN
Opening	OPN
Operation	OPRN
Operational	OPERL
Operator	OPER

<b>Name</b>	<b>Abbreviation</b>
Opportunity	OPPT
Option	OPT
Optional	OPT
Optionality	OPT
Order	ORDR
Ordinary	ORDN
Organization	ORG
Organization Unit	OU
Origin	ORIG
Original	ORIG
Origination	ORIG
Other	OTHR
Out	OUT
Output	OTPT
Output Message	OMSG
Outstanding	OTSND
Over	OV
Overdraft	OD
Overdrawn	ODRWN
Override	OVRD
Own	OWN
Owned	OWN
Owner	OWN
Ownership	OWN
Owns	OWN
Package	PKG
Packaged	PKG
Page	PAGE
Paid	PAID
Paper	PAPER
Parameter	PARM
Parent	PARNT
Partial	PART
Participant	PRTCP
Participation	PRTCP

<b>Name</b>	<b>Abbreviation</b>
Partnership	PRTN
Partition	PARTIT
Password	PSWD
Past	PAST
Path	PATH
Pattern	PATT
Pay	PY
Payable	PYBL
Payee	PAYEE
Payment	PYMT
Payoff	PYF
Payroll	PYRL
Pegged	PEG
Penalty	PNLT
Pending	PNDG
Percent	PCT
Percentage	PCT
Perception	PRCP
Performance	PERF
Period	PRD
Permanent	PERM
Person	PERS
Personal	PERS
Personal Identification Number	PIN
Personalization	PERSZ
Personnel	PERS
Perspective	PERSP
Phone	PH
Phonetic	PHNC
Physical	PHYS
Ping	PING
Pingless	PINGLESS
Place	PLAC
Placement	PLCMT
Plan	PLN

<b>Name</b>	<b>Abbreviation</b>
Pledge	PLDG
Point	PNT
Policy	POLCY
Pool	POOL
Portfolio	PRTFL
Position	POS
Possible	PSBL
Post	PST
Postable	PST
Postable Accounting Unit	AUPST
Postable Accounting Unit balance	AUPSTBAL
Postal	PST
Postcode	PSTCD
Posted	PSTD
Posting	PST
Potential	PTNL
PreAuthorized Debit	PAD
Pre-calculated	PCALC
Precedence	PRCD
Precision	PREC
Preference	PREF
Preferred	PREF
Prefix	PFX
Prepare	PREP
Prepared	PREP
Preparation	PREP
Present	PRSNT
Present Value	PV
Previous	PREV
Price, priced, Pricing	PRC
Primary	PRIM
Prime	PRIM
Principal	PNCPL
Print	PRNT
Printed	PRNT

<b>Name</b>	<b>Abbreviation</b>
Printer	PRNT
Prior	PREV
Priority	PRTY
Private	PRVT
Privilege	PRVG
Probabilistic	PRBL
Probability	PRBL
Problem	PRBLM
Procedure	PROC
Process	PROC
Processed	PROC
Processing	PROC
Product	PD
Product Arrangement	PD AR
Professional	PROF
Proficiency	PRFY
Profile	PRFL
Profit	PRFT
Program	PRGM
Programmable workstation	PWS
Projected	PRJT
Projection	PRJT
Promotion	PROM
Prompt	PRMPT
Property	PRPTY
Proposal	PRPSL
Prospect	PROSP
Prospective	PROSP
Protect	PROT
Protected	PROT
Protection	PROT
Provider	PROVD
Province	PROV
Provision	PROVN
Public	PBLC

<b>Name</b>	<b>Abbreviation</b>
Publication	PBLC
Purchase, Purchased	PRCH
Purpose	PRPS
Put	PUT
Qualification	QUALF
Quantity	QTY
Query	QRY
Queue	QUEUE
Quotation	QUTN
Race	RACE
Range	RNG
Rank	RANK
Rate, Rated	RATE
Rater	RATR
Rating	RATG
Rating Category	RCAT
Rating Category Value	RCATVAL
Ratio	RATO
Rationale	RATNL
Read	RD
Readable	RDBL
Real	REAL
Reason	RSN
Reauthorization	REAUTH
Reauthorized	REAUTH
Receipt	RECPT
Receive	RCVE
Received	RCVD
Recipient	RCPNT
Recommendation	RCMM
Reconcile, Reconciled	RCNCL
Reconciliation	RCNCL
Record	RCRD
Recur	RCUR
Recurring	RCUR

<b>Name</b>	<b>Abbreviation</b>
Redemption	REDEM
Redirection	RDRC
Refer, reference	REFR
Referral	RFRL
Refinance	REFNC
Refinanced	REFNC
Refinancing	REFNC
Reformat	RFMT
Refresh	REFRESH
Region	RGON
Register, Registered	RGSTR
Registration	RSGTRN
Regular	RGLR
Regulation	REG
Regulatory	REG
Reinvestment	RVST
Reject	RJCT
Related, (see 'X' for Relationship)	REL
Relations, (see 'X' for Relationship)	REL
Relationship	X
Relative	RLTV
Release	RLSE
Reliability	RLBL
Religion	RLGN
Remain	RMAN
Remaining	RMAN
Remittance	REMIT
Remote	REMOTE
Renew, renewals	RNEW
Reopen	ROPN
Repeat	RPT
Reply	REPLY
Report	RPT
Repository	REPOS
Representation	RPRS

<b>Name</b>	<b>Abbreviation</b>
Request	RQST
Required	RQRD
Requirement	RQMT
Reserve	RSRV
Reset	RSET
Resident	RSDNT
Residential	RSDNT
Resolution	RSLN
Resolve	RSLV
Resolved	RSLV
Resource Item	RI
Response	RESP
Responsibility	RESP
Restraint	RST
Restrict	RST
Result	RSLT
Resultant	RSLT
Retention	RETN
Retirement	RETM
Retry	RTR
Return	RET
Return on Assets	ROA
Return on Equity	ROE
Return on Investment	ROI
Revenue	REV
Reverse	RVRS
Reversed	RVRSD
Review	RVW
Revoke	REVOKE
Right	RGHT
Rights	RGHT
Risk	RISK
Role	RL
Rollup	ROLP
Round	RND

<b>Name</b>	<b>Abbreviation</b>
Rounding	RNDG
Route	RTE
Routing	ROUT
Row	ROW
Rule	RULE
Run	RUN
Running	RUN
Safe	SAFE
Safekeeping	SFKP
Safety	SAFT
Salary	SLRY
Sale	SALE
Sample	SAMP
Satisfaction	STFC
Save, saved	SV
Saving	SVG
Scenario	SCNR
Schedule	SCHD
Scheduled	SCHD
Scheme	SCHM
Scope	SCOP
Scrub	SCRB
Search	SRCH
Second	SEC
Section	SECT
Security	SCRTY
Segment	SEG
Segmented	SEG
Select	SEL
Selection	SEL
Self	SELF
Sellable	SELBL
Send	SND
Sense	SENSE
Sensitivity	SNSV

<b>Name</b>	<b>Abbreviation</b>
Sent	SENT
Separation	SEP
Separator	SEP
Sequence	SEQ
Serial	SRL
Server	SRVR
Service	SRVC
Session	SSN
Set	SET
Settle	SETL
Settlement	SETL
Setup	SETUP
Severity	SVRTY
Share	SHAR
Sheet	SHET
Short	SHRT
Shutdown	SHUTDN
Signatories	SGNTR
Signature	SGNTR
Signed	SIGNED
Significant	SIG
Signup	SIGNUP
Simple	SIMP
Single	SNGL
Sinking	SNKG
Size	SZ
Skill	SKLL
Skip	SKP
Slip	SLIP
Small	SML
Smallest	SML
Social	SOC
Society	SOC
Society for Worldwide Interbank Telecommunications	SWIFT
Software	SW

<b>Name</b>	<b>Abbreviation</b>
Sold	SOLD
Solvent	SLVT
Sort	SORT
Source	SRCE
Sovereignty	Svrg
Spawn	SPWN
Spawning	SPWN
Special	SPCL
Specific	SPEC
Specified	SPEC
Spread	SPRD
Square	SQR
Staff	STFF
Stamp	STMP
Standard	STD
Standard Industry Code	SIC
Standing	STDG
Standing Order	SO
Start	STRT
State	STATE
Statement	STMT
Static	STATC
Station	STN
Statistical	STAT
Statistics	STAT
Status	ST
Stock	STCK
Stop	STOP
Strategic	STRTG
Strategy	STRTG
Stream	STREAM
Street	ST
String	STRG
Structure, structured	STRCT
Structured Query Language	SQL

<b>Name</b>	<b>Abbreviation</b>
Style	STL
Subject	SUBJ
Subordinate	SUB
Subset	SSET
Subsidiary	SUBS
Subtype	SBTP
Suffix	SUFX
Summary	SUM
Supertype	SPTP
Supply	SUPL
Support	SPRT
Survey	SURVY
Survivor	SURV
Suspect	SPCT
Suspend	SUSP
Suspended	SUSP
Suspense	SUSP
Symbol	SYMB
Syndicate	SYND
System	SYST
Table	TBL
Tactical	TCTL
Tag	TAG
Target	TRGT
Tax	TAX
Taxable	TAX
Taxation	TAX
Technical	TCNQ
Technology	TECH
Telephone	TEL
Telex	TELX
Template	TMPL
Temporary	TEMP
Term	TERM
Terminate	TRMNT

<b>Name</b>	<b>Abbreviation</b>
Termination	TRMNT
Territory	TERR
Text	TX
Textual	TX
Threshold	THRS
Time	TM
Time Format	TF <sup>1</sup>
Time Stamp	TMSTMP
Time Value	TV <sup>1</sup>
Time Zone	TMZON
Timeout	TMO
Title	TTL
To	TO
Token	TOKN
Toolkit	TLKT
Topic	TOPC
Total	TOT
Trace	TRC
Track	TRCK
Tracking	TRCK
Trade	TRD
Trader	TRDR
Transaction	TXN
Transfer	TFR
Transit	TRNST
Transmission	TRNSM
Transmittal	TRNSM
Traveler	TVLR
Treasury	TRSR
Treatment	TRTM
Type	TP
Uncleared	UNCLD
Uncollected	UNCLD
Undelivered	UNDLVD
Underwriting	UWRT

<b>Name</b>	<b>Abbreviation</b>
Unencrypt	UNENCRYPT
Uniform	UFRM
Unit	UNIT
Unit of Measure	UOM
Universal	UNVS
Up	UP
Update	UPDT
Usage	USGE
Use	USE
Used	USED
User	USR
User Group	UGRP
Utility	UTIL
Utilization	UTLZ
Valid	VLD
Validate	VLD
Validation	VLD
Validity	VLD
Valuation	VALN
Value	VAL
Variability	VAR
Variable	VAR
Variance	VRNC
Vehicle	VHCL
Verbal	VRBL
Verifiable	VERF
Verification	VERF
Verified	VERF
Version	VER
Viable	VIABL
Viability	VIABL
View	VIEW
Virtual	VRTL
Volume	VOL
Voucher	VOUCH

<b>Name</b>	<b>Abbreviation</b>
Wait	WAIT
Waive	WV
Web	WEB
Week	WK
Weight	WGHT
Window	WNDW
Withdrawal	WD
Withhold	WHLD
Withholding	WHLD
Work	WRK
Workstation	WKST
Worldwide	WW
Worldwide Web	WWW
Worth	WRTH
Write	WRT
Year	YR
Year to Date	YTD
Zero	ZERO
Zip	ZIP
Zone	ZON

<sup>1</sup> - Indicates that the abbreviation relates to a specific Global Gold data type. These abbreviations appear only in Gold Context Tag Names. For example, *LastStmntBalAmtCxTgDC*. This data item is the Debit/Credit indicator associated with the Last Statement Balance Amount.

## Appendix 2. Converting your IFS Gold Message Set for WebSphere MQ Integrator use

### **Audience**

The SupportPac provides a Gold message set which is WebSphere MQ Integrator-ready. This chapter is of interest only to those who wish to convert their existing customized IFS message set for use in WebSphere MQ Integrator.

### **Steps required for conversion**

The fundamental difference between an IFS Message Set and a WebSphere MQ Integrator Message Set is the set of registered plug-ins. As well as the plug-ins common to both IFS and WebSphere MQ Integrator (documentation, C language, COBOL language), IFS Message Sets also use the IFS, RPG language and Java language plug-ins while WebSphere MQ Integrator Message Sets also use the CWF and WebDav plug-ins.

### **Steps required to use a Gold Message Set within WebSphere MQ Integrator**

1. Import an IFS export file into the WebSphere MQ Integrator repository (MRMDB database). The IFS export file refers to the DTD *mrm.dtd* whereas WebSphere MQ Integrator export files use the DTD *mqsi.dtd*. To import an IFS export file requires a copy of *mrm.dtd*. This DTD is a subset of *mqsi.dtd*. To import, copy *mqsi.dtd* and rename it *mrm.dtd* or edit the XML export file and replace the text string *mrm.dtd* with *mqsi.dtd*. On import, the IFS specific plug-ins (IFS, RPG, and Java) are de-activated as the import process detects that these plug-ins are not installed in the WebSphere MQ Integrator repository.
2. The WebSphere MQ Integrator specific plug-ins (CWF and WebDav) need to be registered for the imported project. This must be performed using the 'Blue MRM' (or by directly editing the MRM database *REG\_PLUG-IN\_MEMBER* table which holds the relationships between plug-ins and projects).
3. There are some differences between the Simple Types in an IFS Message Set and those in a WebSphere MQ Integrator Message Set:
  - IFS Message Set has three additional Simple Types, *GOLD-NLS\_CHAR*, *PGOLD-NLS\_CHAR* and *PGOLD\_CHAR*
  - WebSphere MQ Integrator Message Set has one additional Simple Type *BOOLEAN*
  - The four common Simple Types have differing identifiers. IFS binary corresponds to WebSphere MQ Integrator *BINARY*, IFS char corresponds to WebSphere MQ Integrator *STRING*, IFS double corresponds to WebSphere MQ Integrator *FLOAT* and IFS long corresponds to WebSphere MQ Integrator *INTEGER*
  - To map the IFS Simple Types to WebSphere MQ Integrator Simple Types the following modifications are made to the imported Message Set via SQL queries:
    - Insert *BOOLEAN* Simple Type
    - Update common Simple Type identifiers

- Update Elements of *GOLD-NLS\_CHAR* type to *STRING* (107 Elements affected).
- Update Elements of *PGOLD\_CHAR* type to *STRING* and *MAX\_LENGTHID GEN\_TXT\_LEN* (6 Elements affected)
- Update Elements of *PGOLD-NLS\_CHAR* type to *STRING* and *MAX\_LENGTHID GEN\_TXT\_LEN* (20 Elements affected)
- Delete attributes of the *GOLD-NLS\_CHAR*, *PGOLD\_CHAR* and *PGOLD-NLS\_CHAR* (3 UUID attributes and 2 C language names)
- Delete the Simple Types *GOLD-NLS\_CHAR*, *PGOLD\_CHAR* and *PGOLD-NLS\_CHAR*

Finally, export the Gold Message Set. This export file can then distributed as a WebSphere MQ Integrator compatible version of the Gold Message Set.

## **SQL Queries to Map IFS Simple Types to WebSphere MQ Integrator Simple Types**

### **Insert BOOLEAN Simple Type**

```
INSERT INTO M_TYPE (PROJECT, ID_VALUE, IDENTIFIER, TYPE_CATEGORY, TYPE_FLAGS,
LOGICAL_DATA_TYPE, NAME, CREATE_DATE, LAST_MOD_DATE, DEFINED_PROJECT,
LAST_MOD_PROJECT, STATUS, DESCOPED_IND)
```

```
SELECT PROJECT.PROJECT_KEY, M_TYPE.ID_VALUE, M_TYPE.IDENTIFIER,
M_TYPE.TYPE_CATEGORY, M_TYPE.TYPE_FLAGS, M_TYPE.LOGICAL_DATA_TYPE,
M_TYPE.NAME, M_TYPE.CREATE_DATE, M_TYPE.LAST_MOD_DATE,
M_TYPE.DEFINED_PROJECT, M_TYPE.LAST_MOD_PROJECT, M_TYPE.STATUS,
M_TYPE.DESCOPED_IND
```

```
FROM M_TYPE, PROJECT
```

```
WHERE (((PROJECT.NAME)="SMD/GOLD 99 R01 M02") AND ((M_TYPE.PROJECT)=0) AND
((M_TYPE.ID_VALUE)=50213));
```

### **Update common Simple Type identifiers**

```
UPDATE M_TYPE SET M_TYPE.IDENTIFIER = "BINARY" WHERE M_TYPE.IDENTIFIER = "binary";
```

```
UPDATE M_TYPE SET M_TYPE.IDENTIFIER = "STRING" WHERE M_TYPE.IDENTIFIER = "char";
```

```
UPDATE M_TYPE SET M_TYPE.IDENTIFIER = "FLOAT" WHERE M_TYPE.IDENTIFIER = "double";
```

```
UPDATE M_TYPE SET M_TYPE.IDENTIFIER = "INTEGER" WHERE M_TYPE.IDENTIFIER = "long";
```

### **Update Elements of GOLD-NLS\_CHAR type to STRING**

```
UPDATE M_ELEMENT SET M_ELEMENT.TYPE_ID = 50105 WHERE M_ELEMENT.TYPE_ID =
50210;
```

***Update Elements of PGOLD\_CHAR type to STRING and MAX\_LENGTHID  
GEN\_TXT\_LEN***

```
UPDATE M_ELEMENT SET M_ELEMENT.TYPE_ID = 50105, MAX_LENGTH_ID = 60922 WHERE  
M_ELEMENT.TYPE_ID = 50004;
```

***Update Elements of PGOLD-NLS\_CHAR type to STRING and MAX\_LENGTHID  
GEN\_TXT\_LEN***

```
UPDATE M_ELEMENT SET M_ELEMENT.TYPE_ID = 50105, MAX_LENGTH_ID = 60922  
WHERE M_ELEMENT.TYPE_ID = 50211;
```

***Delete attributes of the GOLD-NLS\_CHAR, PGOLD\_CHAR and  
PGOLD-NLS\_CHAR***

```
DELETE FROM M_ATTRIBUTE
```

```
WHERE M_ATTRIBUTE.COMPONENT_ID IN (50210,50004,50211) AND  
M_ATTRIBUTE.COMPONENT_CLASS=104;
```

***Delete the Simple Types GOLD-NLS\_CHAR, PGOLD\_CHAR and  
PGOLD-NLS\_CHAR***

```
DELETE FROM TESTER_M_TYPE
```

```
WHERE M_TYPE.ID_VALUE IN (50210,50004,50211);
```

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