

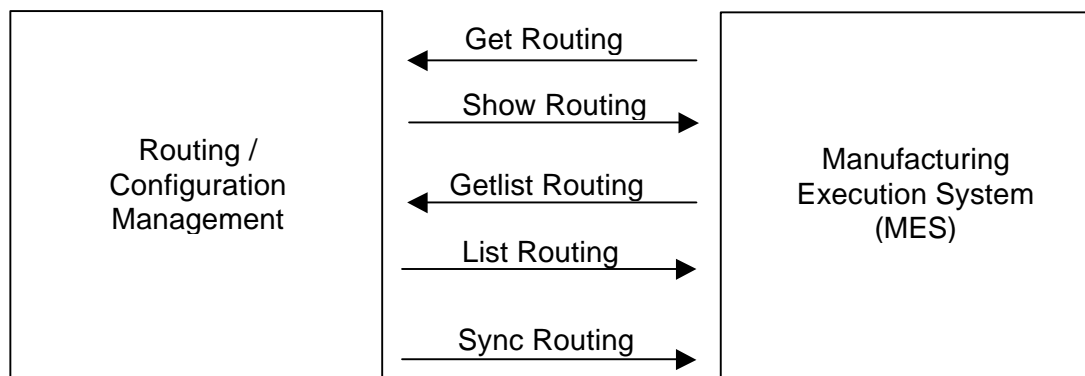
97. LIST ROUTING - REVISION 002

97.0 Overview

This chapter describes the Business Service Request named LIST ROUTING, the Verb being LIST and the Noun being ROUTING. ROUTING is the process an order must take in order to produce the finished good. The environment for this BSR can be within the enterprise or outside the enterprise.

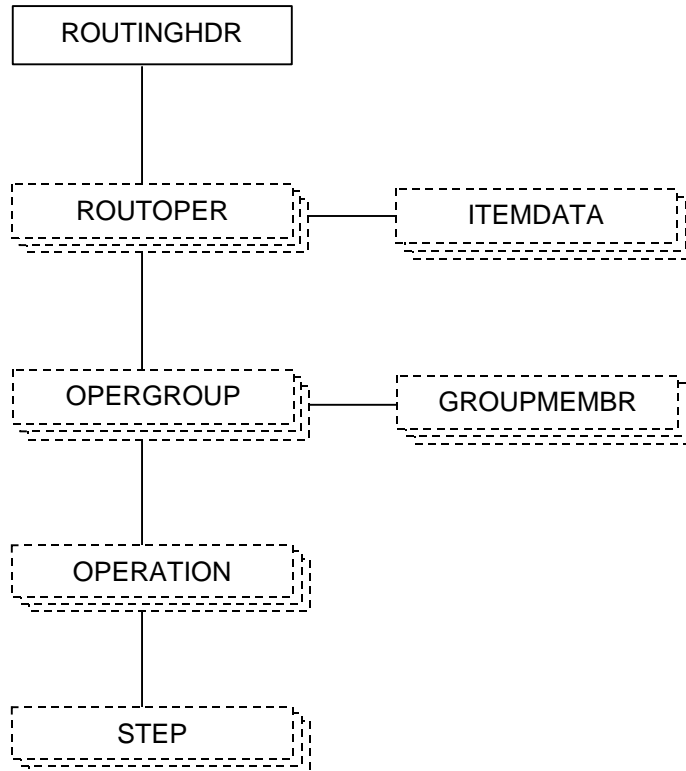
The purpose of the LIST ROUTING Business Service Request is to communicate one or more summary listings of ROUTING information to another business application component. This may be the result of a GETLIST request or it may be initiated by some other business event.

This BSR may be used individually, or as part of a larger interface scenario. The picture below visualizes one of the possible uses of this BSR.



97.1 LIST ROUTING

The LIST ROUTING Business Object Document will be processed asynchronously and consists of the following components:



The Business Service Request LIST ROUTING uses the following Data Types:

1. **ROUTINGHDR** - Information that generally describes the routing. This Data Type is optional.
2. **ROUTOPER** – Information specifying the operations and there order for the specified routing. This Data Type is optional.
3. **ITEMDATA** - Information that describes the attributes of a specific item. This Data Type is optional.
4. **OPERGROUP** – Information specifying a grouping of operations and their relationships. This Data Type is optional.
5. **GROUPMEMBR** – Information specifying the occurrence of the operations within an OPERGROUP. This Data Type is optional.

6. **OPERATION** - Information that describes the operation to be performed. This Data type is optional.
7. **STEP** – Information specific to the steps specified to perform the operation. This Data Type is optional.

Processing Notes:

When included in a hierarchy, the Data Types are position dependent for their meaning and applicability to the Routing.

97.2 ROUTINGHDR

The Data Type, “**ROUTINGHDR**”, is the first Data Type the Business Service Request “**LIST ROUTING**” uses. This Data Type is optional.

Listed are all the Field Identifiers and Segments that are valid for use within the ROUTINGHDR Data Type. The first column of the table indicates the name. Segment names also include the Qualifier in parenthesis.

The second column indicates in which OAGIS Appendix the data is described, basically if the data is a Field Identifier or a Segment. Details of the Field Identifiers can be located in Appendix C, and details of the Segments can be located in Appendix D.

There are no required fields for the ROUTINGHDR.

OPTIONAL ROUTINGHDR DATA	
NAME	APPENDIX
BOMID	C
BOMREVISION	C
DATETIME(EFFECTIVE)	D
DESCRIPTN	C
ITEM	C
ITEMRV	C
ITEMVAR	C
ROUTINGID	C
ROUTINGREV	C
ROUTETYPE	C
ROUTEVAR	C
SITELEVEL1 – SITELEVEL9	C
USERAREA	C

97.3 ROUTOPER

The Data Type “**ROUTOPER**” describes the series of operations that create the ROUTING. This Data Type is optional.

Listed are all the Field Identifiers and Segments that are valid for use within the ROUTOPER Data Type. The first column of the table indicates the name. Segment names also include the Qualifier in parenthesis.

The second column indicates in which OAGIS Appendix the data is described, basically if the data is a Field Identifier or a Segment. Details of the Field Identifiers can be located in Appendix C, and details of the Segments can be located in Appendix D.

There are no required fields for the ROUTOPER Data Type.

OPTIONAL ROUTOPER DATA	
NAME	APPENDIX
CONTAINRID	C
CONTRTYPE	C
OPRGRPNAME	C
INQUEUEID	C
NOTES	C
OPERATNID	C
OPERATNSEQ	C
QUANTITY(MULTIPLIER)	D
TERMFLAG	C
USERAREA	C

97.4 ITEMDATA

The Data Type “**ITEMDATA**” describes a particular ITEM within a Routing structure. This Data Type is optional.

Listed are all the Field Identifiers and Segments that are valid for use within the ITEMDATA Data Type. The first column of the table indicates the name. Segment names also include the Qualifier in parenthesis.

The second column indicates in which OAGIS Appendix the data is described, basically if the data is a Field Identifier or a Segment. Details of the Field Identifiers can be located in Appendix C, and details of the Segments can be located in Appendix D.

There are no required fields for the ITEMDATA Data Type.

OPTIONAL ITEMDATA DATA	
NAME	APPENDIX
CONSUMPTN	C
DATETIME(EFFECTIVE)	D
DATETIME(EXECFINISH)	D
DATETIME(EXECSTART)	D
DESCRIPTN	C
FIXDQTYIND	C
ITEM	C
ITEMRV	C
ITEMTYPE	C
LOTLEVEL1 - LOTLEVEL2	C
NOTES	C
OPERATNID	C
OPERATNSEQ	C
PROPERTY1 – PROPERTY99	C
QUANTITY(ITEM)	D
QUANTITY(LDTMOFFSET)	D
QUANTITY(LOTSIZEMAX)	D
QUANTITY(LOTSIZEMIN)	D
QUANTITY(LOTSIZEMLT)	D
QUANTITY(PERCENTREQ)	D
REPRTGFLAG	C
SCRAP	C

OPTIONAL ITEM DATA DATA	
NAME	APPENDIX
SERIALNUM	C
TRAKNGFLAG	C
USERAREA	C

97.5 OPERGROUP

The Data Type “**OPERGROUP**” describes a grouping of operations for the routing as well as a sequencing of operations. It also defines the relationships between operations. This Data Type is optional.

Listed are all the Field Identifiers and Segments that are valid for use within the OPERGROUP Data Type. The first column of the table indicates the name. Segment names also include the Qualifier in parenthesis.

The second column indicates in which OAGIS Appendix the data is described, basically if the data is a Field Identifier or a Segment. Details of the Field Identifiers can be located in Appendix C, and details of the Segments can be located in Appendix D.

There are no required fields for the OPERGROUP Data Type.

OPTIONAL OPERGROUP DATA	
NAME	APPENDIX
OPRGRPNAME	C
OPRGRPTYPE	C
USERAREA	C

97.6 GROUPEMEMBR

The Data Type “**GROUPEMEMBR**” describes an operation instance that makes up the OPERGROUP. This Data Type is optional.

Listed are all the Field Identifiers and Segments that are valid for use within the GROUPEMEMBR Data Type. The first column of the table indicates the name. Segment names also include the Qualifier in parenthesis.

The second column indicates in which OAGIS Appendix the data is described, basically if the data is a Field Identifier or a Segment. Details of the Field Identifiers can be located in Appendix C, and details of the Segments can be located in Appendix D.

There are no required fields for the GROUPEMEMBR Data Type.

OPTIONAL GROUPEMEMBR DATA	
NAME	APPENDIX
OPERATNID	C
OPERATNSEQ	C
USERAREA	C

97.7 OPERATION

The Data Type “**OPERATION**” describes a particular OPERATION necessary for the routing. This Data Type is optional.

Listed are all the Field Identifiers and Segments that are valid for use within the OPERATION Data Type. The first column of the table indicates the name. Segment names also include the Qualifier in parenthesis.

The second column indicates in which OAGIS Appendix the data is described, basically if the data is a Field Identifier or a Segment. Details of the Field Identifiers can be located in Appendix C, and details of the Segments can be located in Appendix D.

There are no required fields for the OPERATION Data Type.

OPTIONAL OPERATION DATA	
NAME	APPENDIX
CONTRNRTYPE	C
COSTTYPE	C
DEPARTMENT	C
DESCRIPTN	C
MACHSUDEP	C
NOTES	C
OPERAMT(COST)(F)	D
OPERATNID	C
OPERATTYPER	C
PROCESSCODE	C
QUANTITY(BATCHSIZE)	D
QUANTITY(BATCHTIME)	D
QUANTITY(FIXEDTIME)	D
QUANTITY(MAXPARLTM)	D
QUANTITY(MOVETIME)	D
QUANTITY(PERSHBNOPR)	D
QUANTITY(PERSHWIOPR)	D
QUANTITY(QUEUEUETIME)	D
QUANTITY(REJECTED)	D
QUANTITY(REJPERCENT)	D
QUANTITY(RUNTIME)	D
QUANTITY(SETUPTIME)	D
QUANTITY(TEARDOWN)	D
QUANTITY(TRANSFRLOT)	D
QUANTITY(WAITTIME)	D
SAVESETUP	C
SITELEVEL1 – SITELEVEL9	C
TRAKNGFLAG	C
USERAREA	C

97.8 STEP

The Data Type “**STEP**” describes the STEP within an OPERATION for a specific ROUTING. This Data Type is optional.

Listed are all the Field Identifiers and Segments that are valid for use within the STEP Data Type. The first column of the table indicates the name. Segment names also include the Qualifier in parenthesis.

The second column indicates in which OAGIS Appendix the data is described, basically if the data is a Field Identifier or a Segment. Details of the Field Identifiers can be located in Appendix C, and details of the Segments can be located in Appendix D.

There are no required fields for the STEP Data Type.

OPTIONAL STEP DATA	
NAME	APPENDIX
DEPARTMENT	C
SITELEVEL1 – SITELEVEL9	C
STEPID	C
STEPNUM	C
STEPTYPE	C
USERAREA	C