

121. GETLIST MAINTORDER - REVISION 001

121.0 Overview

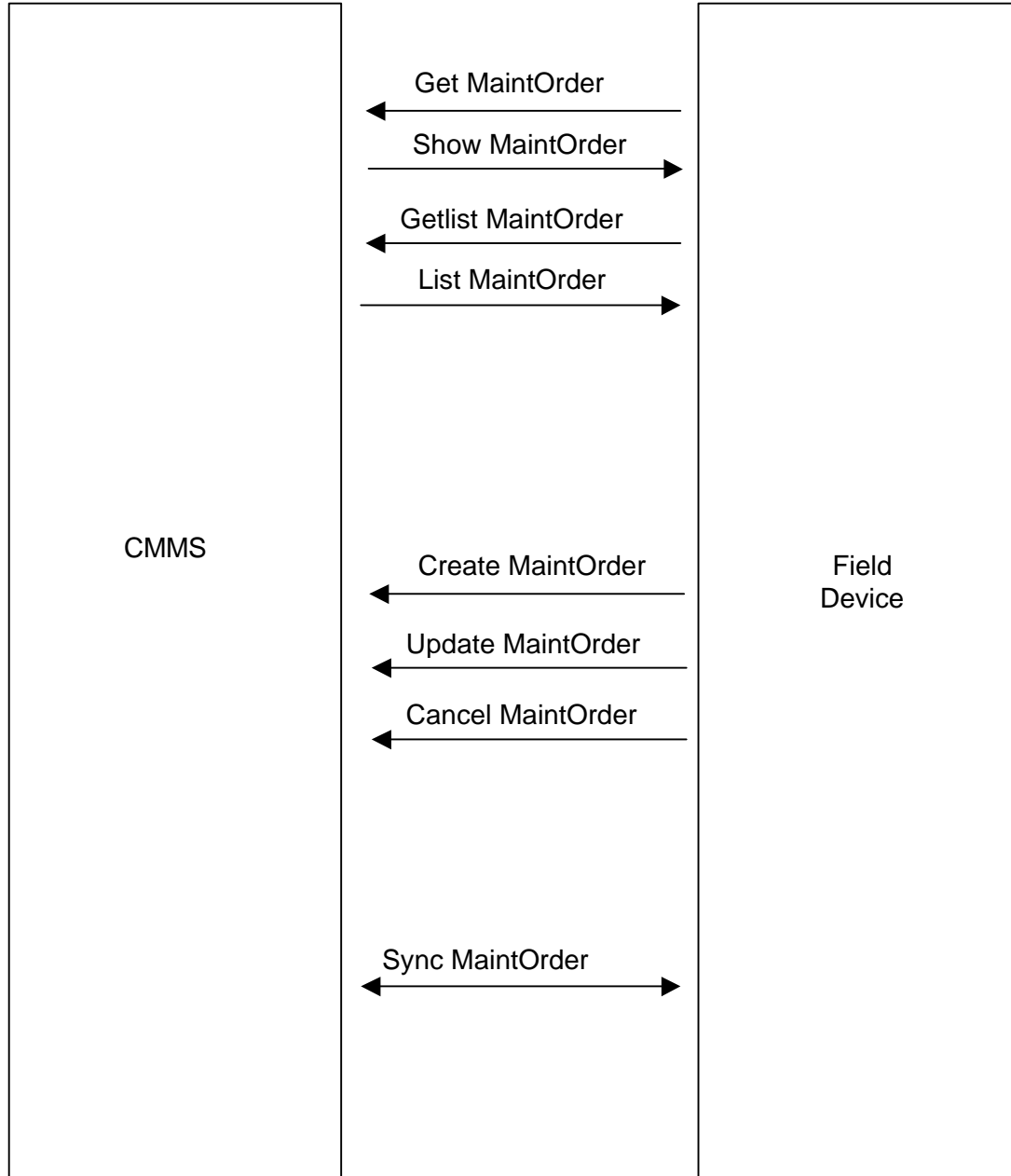
This chapter describes the Business Object Document named GETLIST MAINTORDER, the Verb being GETLIST and the Noun being MAINTORDER. The environment for this BOD can be within the enterprise or outside the enterprise.

The purpose of the GETLIST MAINTORDER Business Object Document is to enable a business application module to request information containing summary information for one or more MAINTORDER. The response to this request is the LIST.

The GETLIST MAINTORDER also enables the retrieval of information across several documents by using selection fields. An example of this could be requesting all RESOURCE Data Type occurrences for a specific OPERATION. This type of functionality is limited to the capabilities of the responding application and needs to be determined during the implementation project.

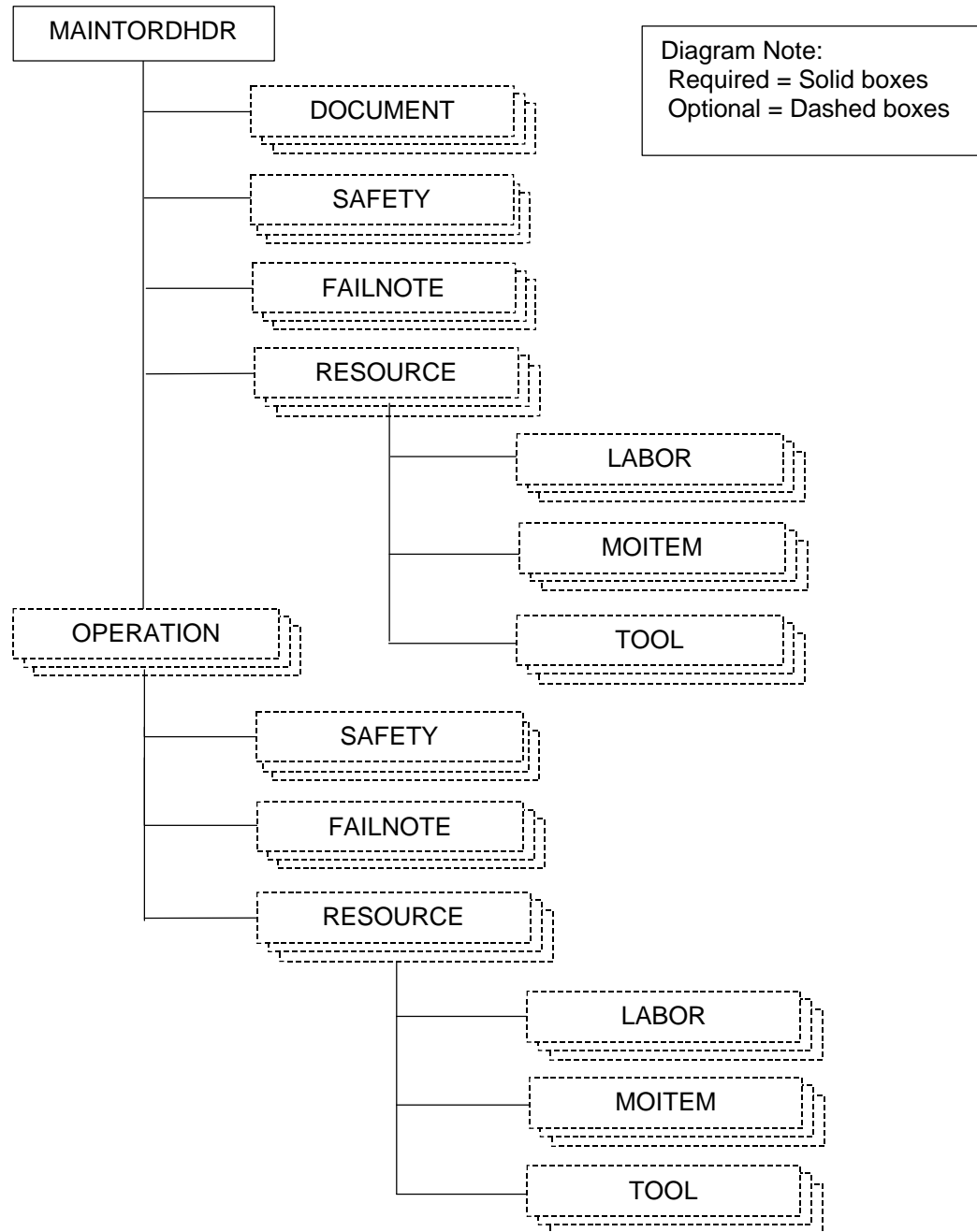
This BOD does not usually cause updates to occur.

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



121.1 GETLIST MAINTORDER

The GETLIST MAINTORDER Business Object Document will be processed asynchronously and consists of the following components:



The Business Object document GETLIST MAINTORDER uses the following Data Types:

1. **MAINTORDHDR** - Information that generally describes the maintenance order. This Data Type is required.
2. **DOCUMENT** - Information that describes the document. This Data Type is optional.
3. **SAFETY** - Information on safety related to the work, location, equipment or vicinity. This may occur at the maintenance order header or at the operation level. This Data Type is optional.
4. **FAILNOTE** – Information on failure, cause or remedy. This Data Type could be very complex depending on the level of detailed failure analysis required. That is, this Data Type itself could be a hierarchical compound document in itself. Failure class identifies unique categories of failures. Within a category, failure types determine levels of failure analysis. Failure type provides the hierarchical structure of the failure analysis. In the simplest form, failures are reported only at one level, e.g., just failures. Causes and/or remedies could be reported against a failure in a multi-level hierarchical reporting. For example, failure analysis could be recorded as follows; for failure A, causes P and Q are the factors and remedies X, Y and Z are to be taken. The information here is more for failure analysis reporting. This may occur at the maintenance order header or at the operation level. This Data Type is optional.
5. **RESOURCE** - Information that describes the resources to perform the maintenance order or operation. This may occur at the maintenance order header or at the operation level. In the event resource information exist at both levels, resource information at the header level acts as a template/qualifier for resource information at the operation level. This Data Type is optional.
6. **LABOR** – Information specific to the personal required to perform the maintenance order or operation. This may occur at the maintenance order header or at the operation level. In the event labor information exist at both levels, labor information at the header level acts as a template/qualifier for labor information at the operation level. This Data Type is optional.
7. **MOITEM** – Information specific to the item(s) required to perform the maintenance order or operation. This may occur at the maintenance order header or at the operation level. In the event item information exist at both levels, item information at the header level acts as a template/qualifier for item information at the operation level. This Data Type is optional.

8. **TOOL** – Information specific to the tooling required to perform the maintenance order or operation. This may occur at the maintenance order header or at the operation level. In the event tool information exist at both levels, tool information at the header level acts as a template/qualifier for tool information at the operation level. This Data Type is optional.
9. **OPERATION** - Information that describes the operation(s) to be performed. This Data type is optional.

Processing Notes:

Many of the Data Types and Field Identifiers contained in this BOD may be used to select required information. This is done by requesting specific Field Identifiers or by requesting an entire Data Type.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

The Field Identifiers within each Data Type are included in this chapter to clarify what can be expected to be returned or as options for selecting information.

121.2 MAINTORDHDR

The Data Type, “**MAINTORDHDR**”, is the first Data Type the Business Object document “**GETLIST MAINTORDER**” uses. This Data Type is optional.

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST response.

This BOD enables range selections. This is accomplished by including two separate occurrences of a Field Identifier. The first occurrence is the “FROM” selection and the second, or duplicate Field Identifier is the “TO” in the range to be selected.

If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Even if you do not want to select by the MAINTORDER Data Type, but require the MAXITEMS capability, the MAINTORDER is required to be sent to accomplish this.

There are no required fields.

OPTIONAL MAINTORDHDR DATA	
NAME	APPENDIX
AMOUNT(ACTUAL)	D
AMOUNT(BUDGET)	D
AMOUNT(ESTIMATE)	D
DATETIME(ACTEND)	D
DATETIME(ACTSTART)	D
DATETIME(CHANGEDATE)	D
DATETIME(FAILDATE)	D
DATETIME(PLANEND)	D
DATETIME(PLANSTART)	D
DATETIME(REPORTDATE)	D
DATETIME(RSPDDATE)	D
DATETIME(SCHEND)	D
DATETIME(SCHSTART)	D

OPTIONAL MAINTORDHDR DATA	
NAME	APPENDIX
DATETIME(STATUSDATE)	D
DESCRIPTN	C
FIXEDASSET	C
JPID	C
MACHINEID	C
MACHSTATE	C
MAINTCALID	C
MAINTLOCID	C
MAINTORDID	C
MAXITEMS	C
MOPARENTID	C
MOPRIORITY	C
MOSTATUS	C
MOTYPE	C
PLANNERID	C
PMID	C
PROJECT	C
QUANTITY(ACTDUR)	D
QUANTITY(ESTDUR)	D
QUANTITY(REMDUR)	D
REQUESTER	C
SPLITABLE	C
SUPERVISOR	C
TASK	C
TELEPHONE1	C
USERAREA	C

121.3 DOCUMENT

The Data Type “**DOCUMENT**” represents the information about a specific class of MAINTORDER. DOCUMENT is an optional Data Definition Area for the GETLIST MAINTORDER Business Object document.

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST response.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

This BOD also enables range selections. This is accomplished by including two separate occurrences of a Field Identifier. The first occurrence is the “FROM” selection and the second, or duplicate Field Identifier is the “TO” in the range to be selected.

If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Remember that if you want to use the MAXITEMS capability, the MAINTORDER is required to be sent to accomplish this.

Listed below are all the Field Identifiers and Segments that are valid for use within the DOCUMENT Data Type. There are no required fields.

OPTIONAL DOCUMENT DATA	
NAME	APPENDIX
DOCTYPE	C
DOCUMENTID	C
DOCUMENTRV	C
USERAREA	C

Processing Notes:

DOCTYPE is a classification of the document or business transaction. It is also known as document code.

Possible values: REQUEST
 ORDER

121.4 SAFETY

The Data Type “**SAFETY**” describes safeties required for the maintenance order. The SAFETY is an optional Data Definition Area for the GETLIST MAINTORDER Business Object document.

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST response.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

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If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Remember that if you want to use the MAXITEMS capability, the MAINTORDER is required to be sent to accomplish this.

Listed are all the Field Identifiers and Segments that are valid for use within the SAFETY Data Type.

There are no required fields.

OPTIONAL SAFETY DATA	
NAME	APPENDIX
DESCRIPTN	C
MSDSID	C
RELITEMID	C
RELLOCID	C
RELMACHID	C
SAFETYID	C
SAFETYTYPE	C
SAFTYCLASS	C
USERAREA	C

121.5 FAILNOTE

The Data Type “**FAILNOTE**” describes possible failure(s), cause(s) and remedies for the maintenance order. FAILNOTE is an optional Data Definition Area for the GETLIST MAINTORDER Business Object document.

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST response.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

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In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Remember that if you want to use the MAXITEMS capability, the MAINTORDER is required to be sent to accomplish this.

Listed are all the Field Identifiers and Segments that are valid for use within this Data Type. There are no required fields.

OPTIONAL FAILNOTE DATA	
NAME	APPENDIX
DESCRIPTN	C
FAILCLASS	C
FAILTYPE	C
FAILUREID	C
USERAREA	C

121.6 RESOURCE

The Data Type “**RESOURCE**” describes resource(s) within a maintenance order or an operation. RESOURCE is an optional Data Definition Area for the GETLIST MAINTORDER Business Object document.

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST response.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

This BOD also enables range selections. This is accomplished by including two separate occurrences of a Field Identifier. The first occurrence is the “FROM” selection and the second, or duplicate Field Identifier is the “TO” in the range to be selected.

If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Remember that if you want to use the MAXITEMS capability, the MAINTORDER is required to be sent to accomplish this.

Listed are all the Field Identifiers and Segments that are valid for use within this Data Type. There are no required fields.

OPTIONAL RESOURCE DATA	
NAME	APPENDIX
RESORCETYP	C
USERAREA	C

121.7 LABOR

The Data Type “**LABOR**” describes labor or craft resource(s) needed for the maintenance order or an operation. LABOR is an optional Data Definition Area for the GETLIST MAINTORDER Business Object document.

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST response.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

This BOD also enables range selections. This is accomplished by including two separate occurrences of a Field Identifier. The first occurrence is the “FROM” selection and the second, or duplicate Field Identifier is the “TO” in the range to be selected.

If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Remember that if you want to use the MAXITEMS capability, the MAINTORDER is required to be sent to accomplish this.

Listed are all the Field Identifiers and Segments that are valid for use within this Data Type. There are no required fields.

OPTIONAL LABOR DATA	
NAME	APPENDIX
AMOUNT(ESTIMATE)	D
AMOUNT(PAYRATE)	D
CRAFTID	C
DESCRIPTN	C
LABORID	C
QUALIF	C
QUANTITY(LABOR)	D
USERAREA	C

121.8 MOITEM

The Data Type “**MOITEM**” describes material resource(s) needed for the maintenance order or an operation. MOITEM is an optional Data Definition Area for the GETLIST MAINTORDER Business Object document.

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST response.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

This BOD also enables range selections. This is accomplished by including two separate occurrences of a Field Identifier. The first occurrence is the “FROM” selection and the second, or duplicate Field Identifier is the “TO” in the range to be selected.

If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the "TO" field. This is sometimes known as an "inclusive" range selection.

Remember that if you want to use the MAXITEMS capability, the MAINTORDER is required to be sent to accomplish this.

Listed are all the Field Identifiers and Segments that are valid for use within this Data Type. There are no required fields.

OPTIONAL MOITEM DATA	
NAME	APPENDIX
AMOUNT(ESTIMATE)	D
AMOUNT(ESTUCOST)	D
DESCRIPTN	C
ITEM	C
ITEMTYPE	C
QUANTITY(REQUIRED)	D
USERAREA	C

121.9 TOOL

The Data Type “**TOOL**” describes tool resource(s) needed for the maintenance order or an operation. TOOL is an optional Data Definition Area for the GETLIST MAINTORDER Business Object document.

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST response.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

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If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

In all cases where range selections are used, the solution set to be returned will include through the “TO” field. This is sometimes known as an “inclusive” range selection.

Remember that if you want to use the MAXITEMS capability, the MAINTORDER is required to be sent to accomplish this.

Listed are all the Field Identifiers and Segments that are valid for use within this Data Type. There are no required fields.

OPTIONAL TOOL DATA	
NAME	APPENDIX
AMOUNT(ESTIMATE)	D
AMOUNT(RATE)	D
DESCRIPTN	C
QUANTITY(ESTHRS)	D
QUANTITY(REQUIRED)	D
TOOLCLASS	C
TOOLID	C
USERAREA	C

121.10 OPERATION

The Data Type “**OPERATION**” describes a particular operation/task/step necessary for the maintenance order. OPERATION is an optional Data Definition Area for the GETLIST MAINTORDER Business Object document.

Processing Note:

The fields in this Data Type are used either for selecting the data required or as an example of what data may be returned in the LIST response.

If the Data Type is not using Field Identifiers to select information, but the data within a Data Type is requested to be returned, the Data Type is coded without any Field Identifiers. This will signify to the responding application that all of the data that corresponds to that Data Type are to be included in the response.

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If a second Field Identifier is not included, the selection will continue until the data no longer applies to the selection or the MAXITEMS is reached.

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Remember that if you want to use the MAXITEMS capability, the MAINTORDER is required to be sent to accomplish this.

Listed are all the Field Identifiers and Segments that are valid for use within this Data Type. There are no required fields.

OPTIONAL OPERATION DATA	
NAME	APPENDIX
DATETIME(COMPDATE)	D
DATETIME(MSMENTDATE)	D
DESCRIPTN	C
INSPECTRID	C
NOTES	C
OPERATNID	C
OPSTATUS	C
QUANTITY(ACTHRS)	D
QUANTITY(ESTHRS)	D
QUANTITY(MSMENT)	D
QUANTITY(REMHRS)	D
USERAREA	C