

# 120. SHOW MAINTORDER - REVISION 001

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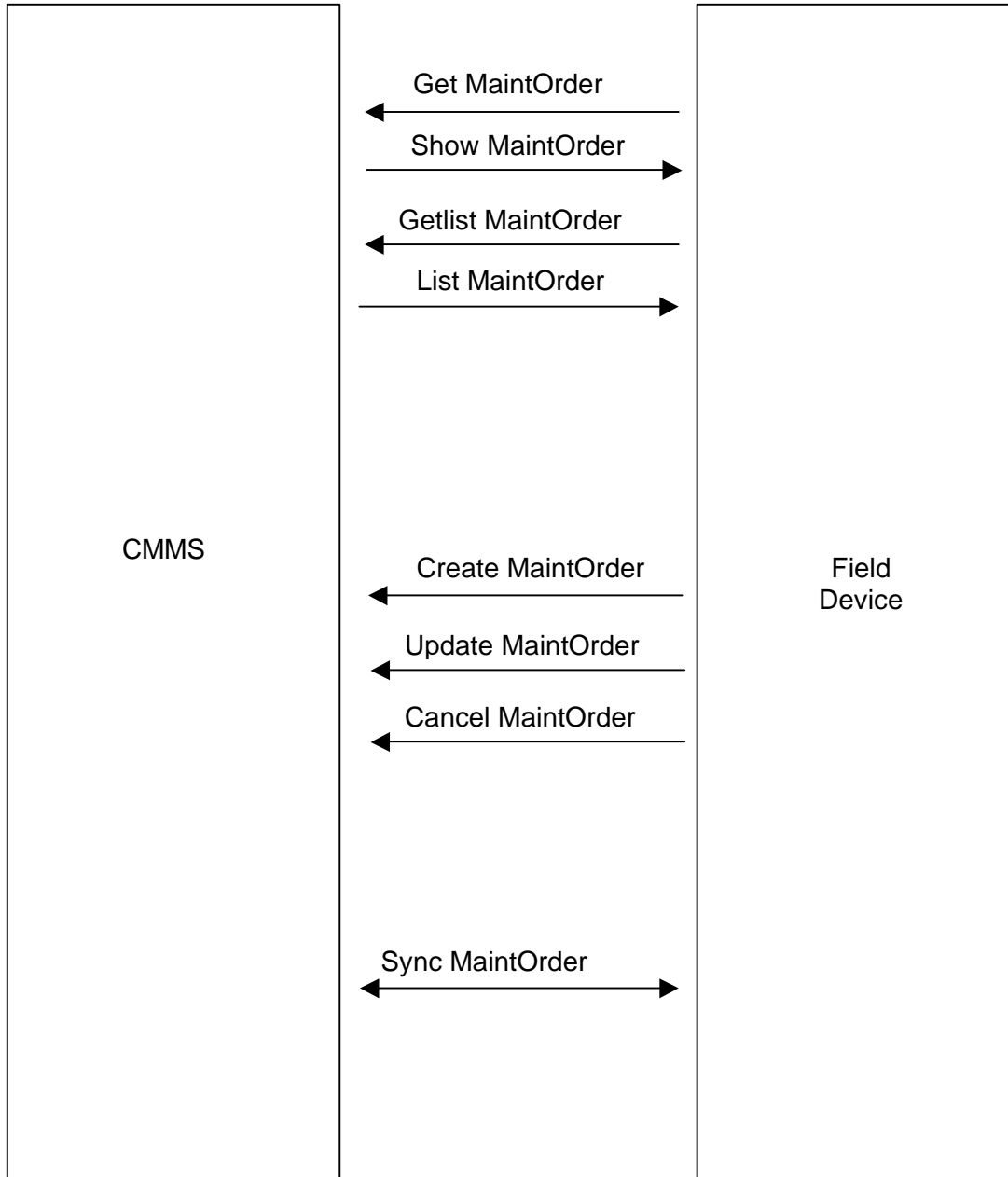
## 120.0 Overview

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

The purpose of the SHOW MAINTORDER Business Object Document is to communicate to a business application module or system the sending systems representation of maintenance order information. This request may be used as a response to a GET request or as a push notification of an event.

This BOD does not usually cause updates to occur.

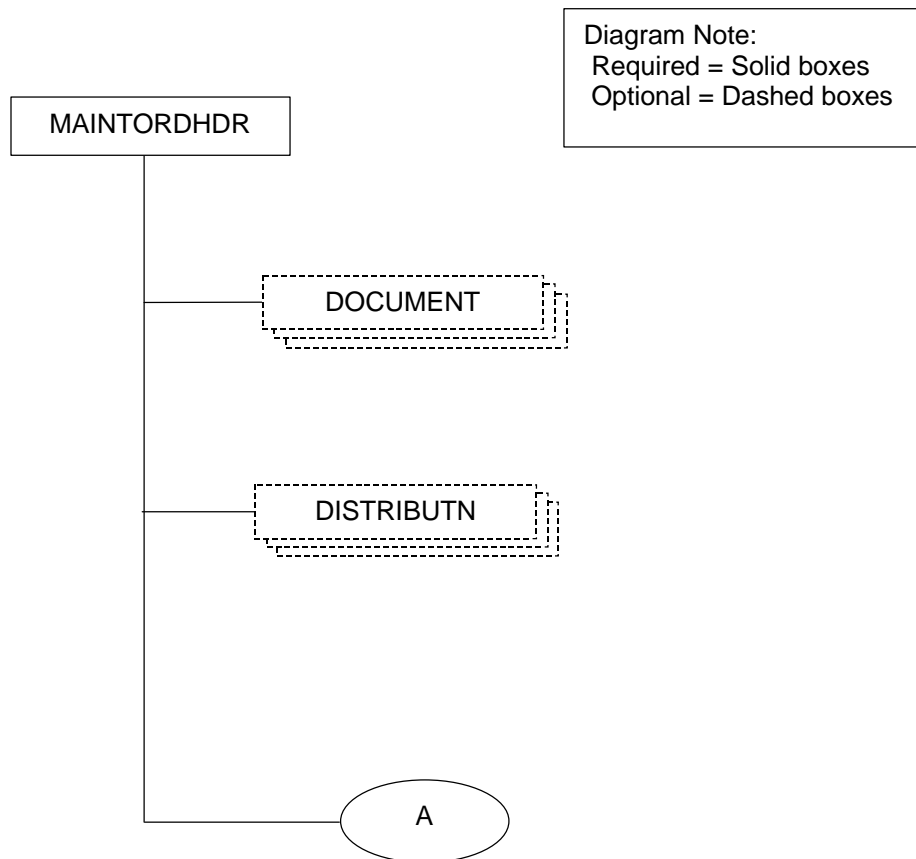
This BOD may be used individually, or as part of a larger integration scenario. The picture below visualizes a possible use of this BOD.

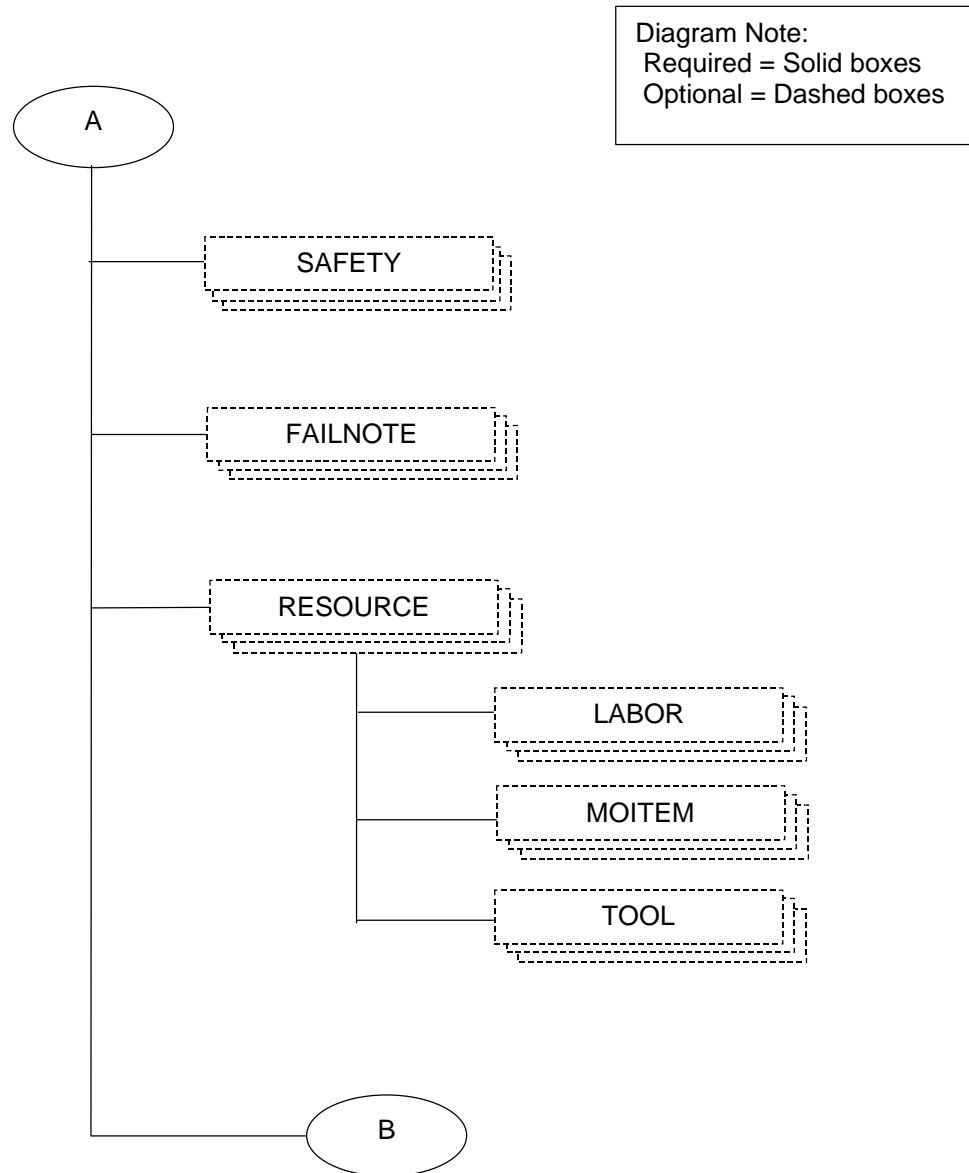


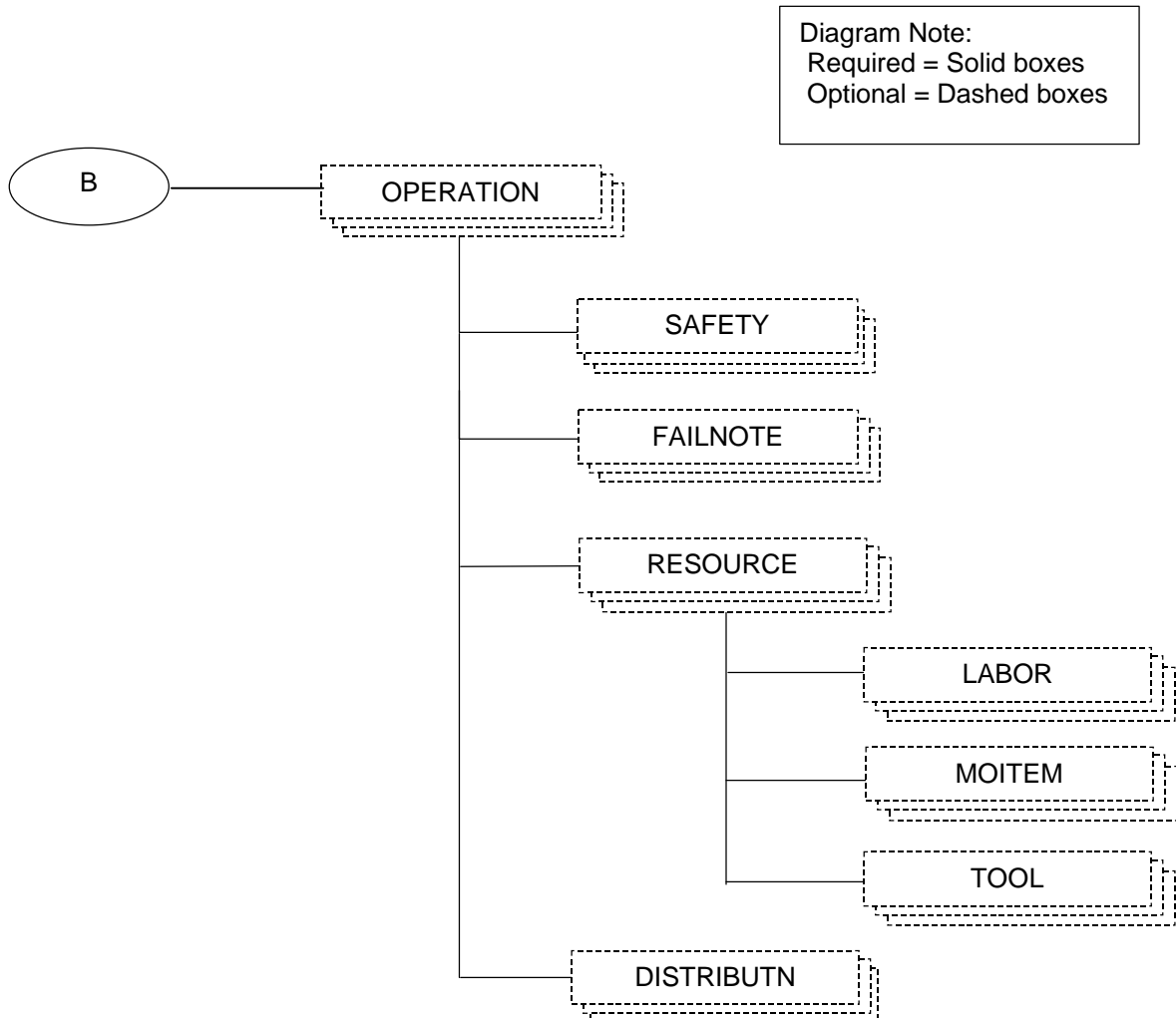
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## 120.1 SHOW MAINTORDER

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







The Business Object document SHOW 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. **DISTRIBUTN** - The accounting distribution information associated with a Business Object Document. This may occur at the maintenance order header or at the operation level. In the event accounting distribution information exist at both levels, accounting distribution information at the header level acts as a template/qualifier for accounting distribution information at the operation level. This Data Type is optional.
4. **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.
5. **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.
6. **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.
7. **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.

8. **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.
9. **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.
10. **OPERATION** - Information that describes the operation(s) to be performed. This Data type is optional.

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

## 120.2 MAINTORDHDR

The Data Type, “**MAINTORDHDR**”, represents the header information part of a maintenance order. For each item represented in the Business Data Area, there must be one occurrence of the MAINTORDHDR Data Type at the beginning of each Business Data Area.

Listed are all the Field Identifiers and Segments that are valid for use within the MAINTORDHDR 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.

The first table represents required data.

REQUIRED MAINTORDHDR DATA	
NAME	APPENDIX
MAINTORDID	C

The second table describes data that is optional.

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
DATETIME(STATUSDATE)	D



OPTIONAL MAINTORDHDR DATA	
NAME	APPENDIX
DESCRIPTN	C
FIXEDASSET	C
JPID	C
MACHINEID	C
MACHSTATE	C
MAINTCALID	C
MAINTLOCID	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

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## 120.3 DOCUMENT

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

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

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

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

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## 120.4 DISTRIBUTN

The Data Type, “**DISTRIBUTN**”, is the Data Type the Business Object document SHOW MAINTORDER uses to describe accounting distribution. The DISTRIBUTN Data Type is optional.

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

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

OPTIONAL DISTRIBUTN DATA	
NAME	APPENDIX
BUSNAREA	C
COSTCENTER	C
DEPARTMENT	C
DIVISION	C
ELEMENT1 - ELEMENT999	C
FUND	C
GEOGRAPHY	C
GLENTITYS	C
GLNOMACCT	C
OPERAMT(EXTENDED)(T)	D
PROFITCTR	C
PROJECT	C
UNIT	C
USERAREA	C
WAREHOUSE	C

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## 120.5 SAFETY

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

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

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

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

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## 120.6 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 SHOW MAINTORDER Business Object document.

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

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

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

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## 120.7 RESOURCE

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

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

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

OPTIONAL RESOURCE DATA	
NAME	APPENDIX
RESORCETYP	C
USERAREA	C

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## 120.8 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 SHOW MAINTORDER Business Object document.

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

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

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

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## 120.9 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 SHOW MAINTORDER Business Object document.

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

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

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

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## 120.10 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 SHOW MAINTORDER Business Object document.

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

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

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



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## 120.11 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 SHOW MAINTORDER Business Object document.

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

**Processing Note:**

The optional Data Types in a SHOW Business Object Document are present to describe what data may be sent. The sending application should send what is requested in the GET, if applicable, or alternatively, send what information it has that matches the data in this Data Type.

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