John Smith

CelDial Sample Document
ER Model

CelDial Corporation Burlington

Table of Contents

1. Description 1
2. ER Model 2
3. Entity Groups 4
3.1. Entity Group 'CELDIAL ER Diagram' 4
3.2. Entity Group 'Product-related' 6
4. Entities 9
4.1. Entity 'Accounts Receivable History' (attributive) 9
4.1.1. Attributes 9
4.1.1.1. Attribute 'CUSTNO' 9
4.1.1.2. Attribute 'SHIPID' 9
4.1.1.3. Attribute 'INVDATE' 9
4.1.1.4. Attribute 'BAL30' 9
4.1.1.5. Attribute 'BAL60' 10
4.1.1.6. Attribute 'BAL90' 10
4.1.1.7. Attribute 'RECEIVED' 10
4.1.1.8. Attribute 'RECEIVE' 10
4.2. Entity 'Buy In' (attributive) 10
4.2.1. Attributes 10
4.2.1.1. Attribute 'COMPNO' 10
4.2.1.2. Attribute 'Buy In Tracking Date' 11
4.3. Entity 'Components' (fundamental) 11
4.3.1. Attributes 11
4.3.1.1. Attribute 'COMPNO' 11
4.3.1.2. Attribute 'COMPDESC' 11
4.3.1.3. Attribute 'COST' 11
4.3.1.4. Attribute 'COSTOLD' 11
4.4. Entity 'Customer' (fundamental) 12
4.4.1. Attributes 12
4.4.1.1. Attribute 'CUSTNO' 12
4.4.1.2. Attribute 'CUSTNAME' 12
4.4.1.3. Attribute 'REPNO' 12
4.4.1.4. Attribute 'CONTACT' 12
4.4.1.5. Attribute 'CON_PHONE' 13
4.4.1.6. Attribute 'CON_FAX' 13
4.4.1.7. Attribute 'CON_ADDR' 13
4.4.1.8. Attribute 'CON_CITY' 13
4.4.1.9. Attribute 'CON_COUNTRY' 13
4.4.1.10. Attribute 'CON_ZIP' 13
4.4.1.11. Attribute 'CON_ZIPLOC' 13
4.5. Entity 'Customer Shipping Address' (fundamental) 13
4.5.1. Attributes 14
4.5.1.1. Attribute 'CUSTNO' 14
4.5.1.2. Attribute 'SHIPID' 14
4.5.1.3. Attribute 'SHIP_ADDR' 14
4.5.1.4. Attribute 'SHIP_CITY' 14
4.5.1.5. Attribute 'SHIP_COUNTRY' 14
4.5.1.6. Attribute 'SHIP_ZIP' 15
4.5.1.7. Attribute 'SHIP_ZIPLOC' 15
4.5.1.8. Attribute 'BILL_ADDR' 15
4.5.1.9. Attribute 'BILL_CITY' 15
4.5.1.10. Attribute 'BILL_COUNTRY' 15
4.5.1.11. Attribute 'BILL_ZIP' 15

4.5.1.12. Attribute 'BILL_ZIPLOC' 15
4.6. Entity 'Make to Order' (attributive) 15
4.6.1. Attributes 16
4.6.1.1. Attribute 'COMPNO' 16
4.6.1.2. Attribute 'Part Maker' 16
4.7. Entity 'Order History Details' (attributive) 16
4.7.1. Attributes 17
4.7.1.1. Attribute 'ORDERREF' 17
4.7.1.2. Attribute 'PARTNO' 17
4.7.1.3. Attribute 'MODEL' 17
4.7.1.4. Attribute 'PARTPRICE' 17
4.7.1.5. Attribute 'UNITS' 17
4.8. Entity 'Order History Summary' (attributive) 17
4.8.1. Attributes 18
4.8.1.1. Attribute 'ORDERREF' 18
4.8.1.2. Attribute 'CUSTNO' 18
4.8.1.3. Attribute 'SHIPID' 18
4.8.1.4. Attribute 'ORDERDATE' 18
4.8.1.5. Attribute 'CUSTSHIPDATE' 18
4.8.1.6. Attribute 'PLANSHIPDATE' 18
4.8.1.7. Attribute 'ACTSHIPDATE' 19
4.8.1.8. Attribute 'COMMENTS' 19
4.9. Entity 'Order Summary' (fundamental) 19
4.9.1. Attributes 19
4.9.1.1. Attribute 'ORDERREF' 19
4.9.1.2. Attribute 'CUSTNO' 19
4.9.1.3. Attribute 'SHIPID' 20
4.9.1.4. Attribute 'ORDERDATE' 20
4.9.1.5. Attribute 'CUSTSHIPDATE' 20
4.9.1.6. Attribute 'PLANSHIPDATE' 20
4.9.1.7. Attribute 'STATUS' 20
4.9.1.8. Attribute 'COMMENTS' 20
4.10. Entity 'Picture of Product' (fundamental) 20
4.10.1. Attributes 21
4.10.1.1. Attribute 'PARTNO' 21
4.10.1.2. Attribute 'PARTDESC' 21
4.10.1.3. Attribute 'PARTPIC' 21
4.11. Entity 'Product' (fundamental) 21
4.11.1. Attributes 22
4.11.1.1. Attribute 'PARTNO' 22
4.11.1.2. Attribute 'MODEL' 22
4.11.1.3. Attribute 'PARTPRICE' 22
4.11.1.4. Attribute 'PARTMSR' 22
4.11.1.5. Attribute 'PARTDISC' 22
4.11.1.6. Attribute 'PARTSHIPDATE' 22
4.12. Entity 'Product_Components' (associative) 23
4.12.1. Attributes 23
4.12.1.1. Attribute 'COMPNO' 23
4.12.1.2. Attribute 'PARTNO' 23
4.12.1.3. Attribute 'MODEL' 23
4.12.1.4. Attribute 'Units' 23
4.13. Entity 'Product Inventory' (attributive) 23
4.13.1. Attributes 24
4.13.1.1. Attribute 'PARTNO' 24
4.13.1.2. Attribute 'MODEL' 24
4.13.1.3. Attribute 'INVENTORY' 24

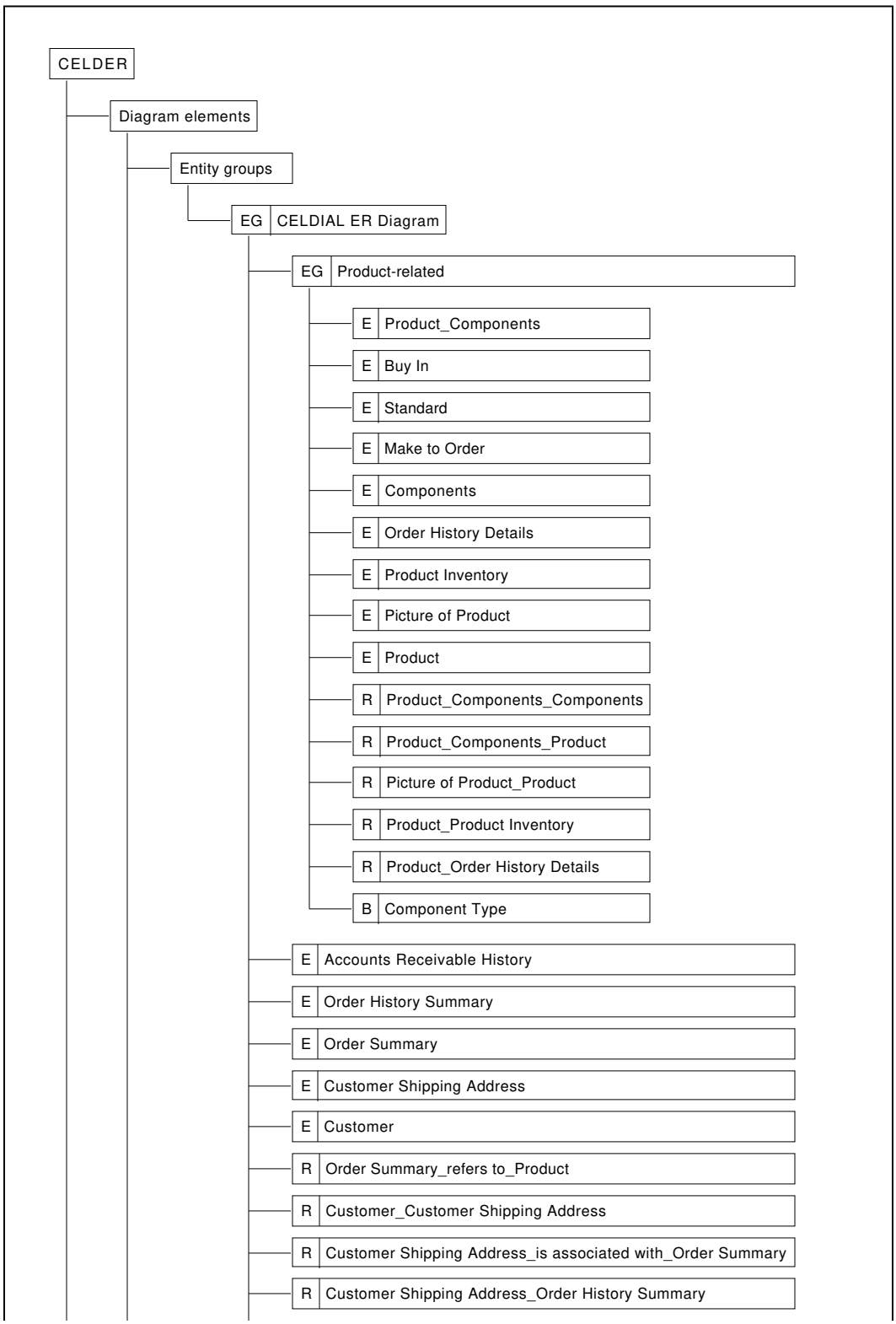
4.13.1.4. Attribute 'RESTOCK' 24
4.13.1.5. Attribute 'RESTOCK_LEAD_DAYS' 24
4.13.1.6. Attribute 'EARMARKED' 24
4.14. Entity 'Standard' (attributive) 25
4.14.1. Attributes 25
4.14.1.1. Attribute 'COMPNO' 25
4.14.1.2. Attribute 'Suggested Manf Retail Price' 25
5. Relationships 26
5.1. Relationship 'Customer_Customer Shipping Address' (1,1-0,*) 26
5.2. Relationship 'Customer Shipping Address_Accounts Receivable History' (1,1-0,*) 26
5.3. Relationship 'Customer Shipping Address_is associated with_Order Summary' (1,1-1,*) 26
5.4. Relationship 'Customer Shipping Address_Order History Summary' (1,1-0,*) 27
5.5. Relationship 'Order Summary_refers to_Product' (1,*-1,*) 27
5.5.1. Attributes 28
5.5.1.1. Attribute 'ORDERREF' 28
5.5.1.2. Attribute 'PARTNO' 28
5.5.1.3. Attribute 'MODEL' 28
5.5.1.4. Attribute 'PARTPRICE' 28
5.5.1.5. Attribute 'UNITS' 28
5.6. Relationship 'Picture of Product_Product' (1,1-0,*) 29
5.7. Relationship 'Product_Components_Components' (0,*-1,1) 29
5.8. Relationship 'Product_Components_Product' (1,*-1,1) 29
5.9. Relationship 'Product_Order History Details' (1,1-1,*) 30
5.10. Relationship 'Product_Product Inventory' (1,1-0,*) 30
6. Isa Bundles 31
6.1. Isa Bundle 'Component Type' 31
7. Data Elements 32
7.1. Data Element '<>DA_Balance<:>' 32
7.2. Data Element '<>DA_City<:>' 32
7.3. Data Element '<>DA_Comments<:>' 32
7.4. Data Element '<>DA_ComponentNumber<:>' 32
7.5. Data Element '<>DA_ContactName<:>' 32
7.6. Data Element '<>DA_Country<:>' 33
7.7. Data Element '<>DA_CustomerName<:>' 33
7.8. Data Element '<>DA_CustomerNumber<:>' 33
7.9. Data Element '<>DA_Days<:>' 33
7.10. Data Element '<>DA_Description<:>' 34
7.11. Data Element '<>DA_FlagYesNo<:>' 34
7.12. Data Element '<>DA_Model<:>' 34
7.13. Data Element '<>DA_OrderRefNumber<:>' 34
7.14. Data Element '<>DA_PartNumber<:>' 34
7.15. Data Element '<>DA_PartPhoto<:>' 35
7.16. Data Element '<>DA_PaymentAmount<:>' 35
7.17. Data Element '<>DA_PhoneNumber<:>' 35
7.18. Data Element '<>DA_Price<:>' 35
7.19. Data Element '<>DA_SalesPersonID<:>' 36
7.20. Data Element '<>DA_ShipDate<:>' 36
7.21. Data Element '<>DA_ShipLocationID<:>' 36
7.22. Data Element '<>DA_Status<:>' 36
7.23. Data Element '<>DA_Street<:>' 36
7.24. Data Element '<>DA_TrackingDate<:>' 37
7.25. Data Element '<>DA_Units<:>' 37
7.26. Data Element '<>DA_Zip<:>' 37
7.27. Data Element '<>DA_ZipFormat<:>' 37

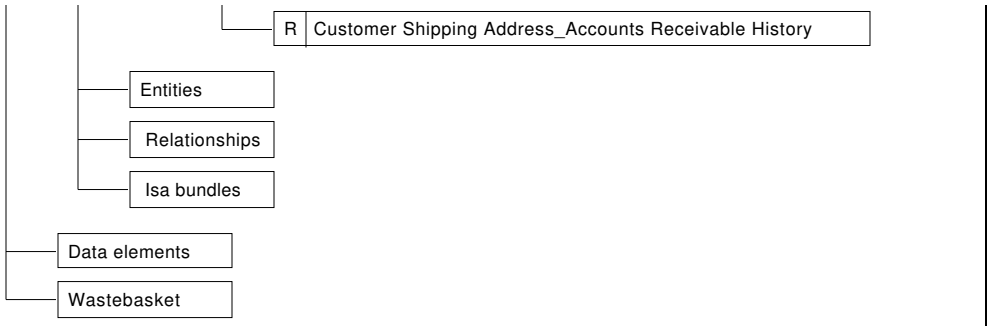
8. Index 39

1. Description

This document describes typical business situations that enterprise application development customers face. Using the company's processes and environment, this sample defines representative workstation, client/server, and legacy applications the company needs to build to support its business operations.

2. ER Model


CELDER
Diagram elements
Entity groups
EG CELDIAL ER Diagram
EG Product-related
E Product_Components
E Buy In
E Standard
E Make to Order
E Components
E Order History Details
E Product Inventory
E Picture of Product
E Product
R Product_Components_Components
R Product_Components_Product
R Picture of Product_Product
R Product_Product Inventory
R Product_Order History Details
B Component Type
E Accounts Receivable History
E Order History Summary
E Order Summary
E Customer Shipping Address
E Customer
R Order Summary_refers to_Product
R Customer_Customer Shipping Address
R Customer Shipping Address_is associated with_Order Summary
R Customer Shipping Address_Order History Summary


R
Customer Shipping Address_Accounts Receivable History
Entities
Relationships
Isa bundles
Data elements
Wastebasket

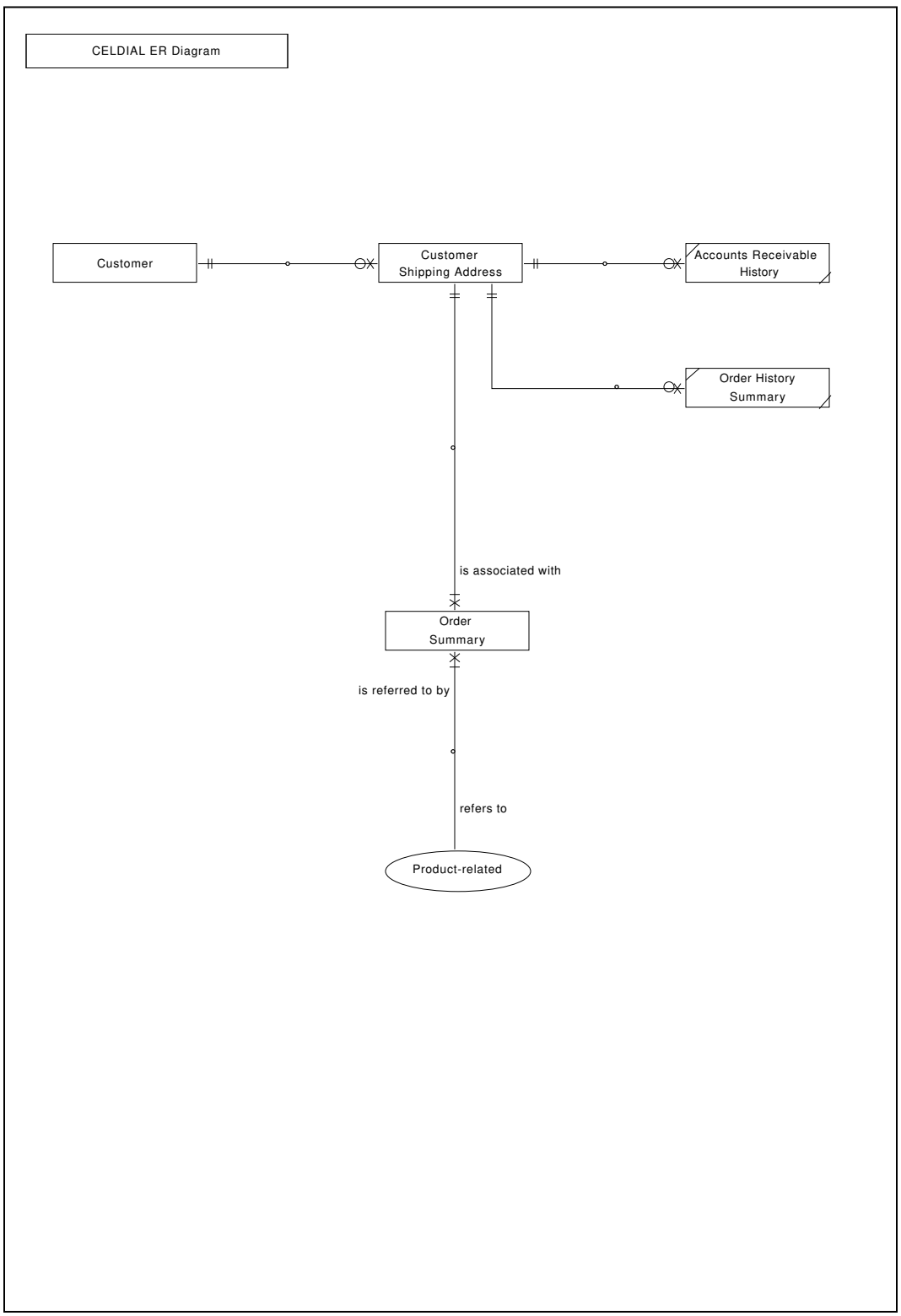
3. Entity Groups

3.1. Entity Group ’CELDIAL ER Diagram’

Technology Name: ’CELDER’

This entity group collects all entities within the Celdial datamodel.

Diagram


CELDIAL ER Diagram
Customer
Customer
Shipping Address
Accounts Receivable
History
Order History
Summary
is associated with
Order
Summary
is referred to by
refers to
Product-related

Included Objects

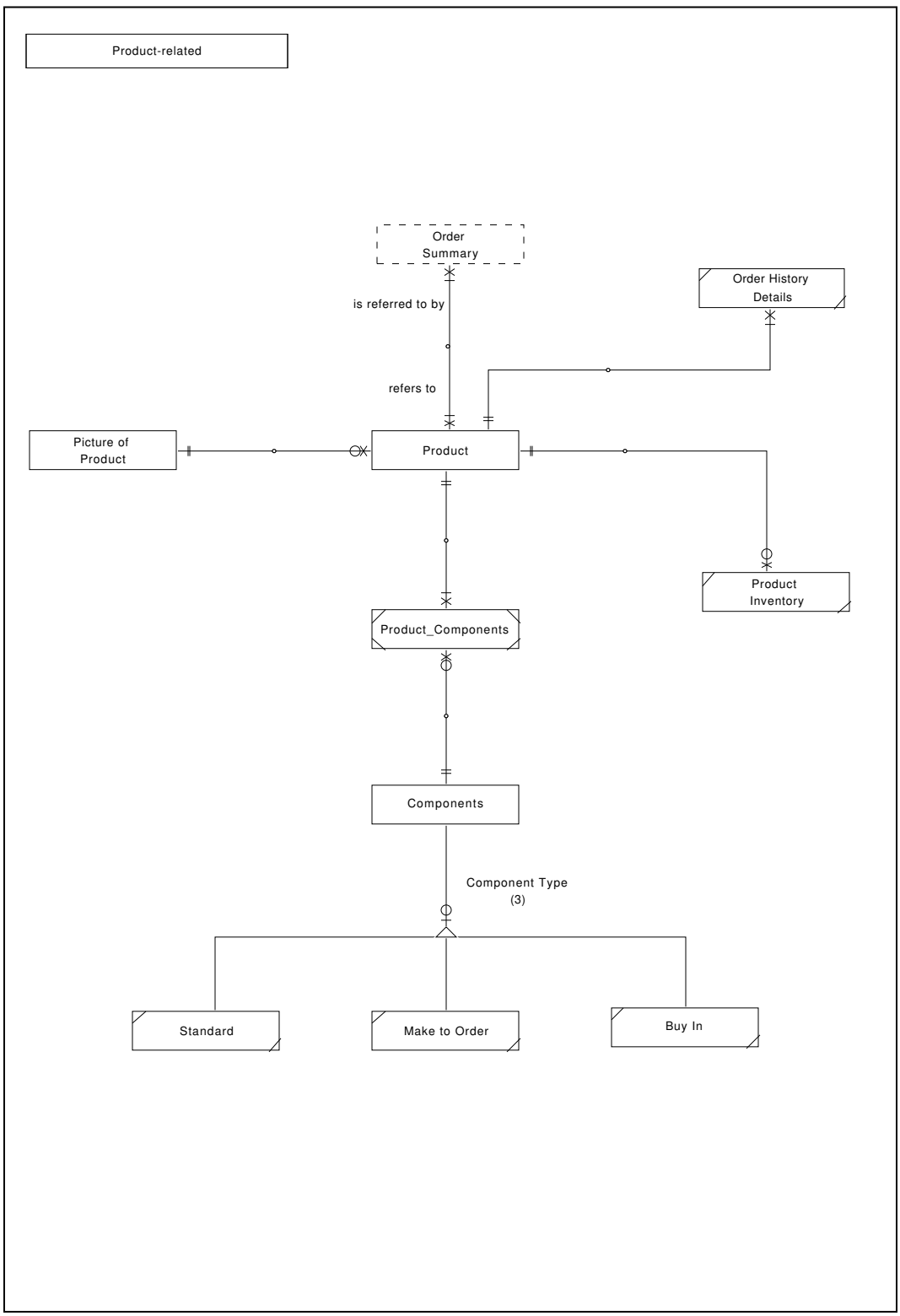
- Entity Group Product-related (6)
- Entity Accounts Receivable History (9)
- Entity Order History Summary (17)
- Entity Order Summary (19)
- Entity Customer Shipping Address (13)
- Entity Customer (12)
- Relationship Order Summary_refers to_Product (27)
- Relationship Customer Shipping Address_Accounts Receivable History (26)
- Relationship Customer Shipping Address_Order History Summary (27)
- Relationship Customer Shipping Address_is associated with_Order Summary (26)
- Relationship Customer_Customer Shipping Address (26)

3.2. Entity Group ’Product-related’

Technology Name: ’Productrelated’

Product related entities

Diagram


Product-related
Order Summary
Order History Details
is referred to by
refers to
Picture of Product
Product
Product Inventory
Product_Components
Components
Component Type (3)
Standard
Make to Order
Buy In

Included Objects

- Entity Product_Components (23)
- Entity Components (11)
- Entity Buy In (10)
- Entity Standard (25)
- Entity Order History Details (16)
- Entity Make to Order (15)
- Entity Product Inventory (23)
- Entity Picture of Product (20)
- Entity Product (21)
- Relationship Product_Components_Product (29)
- Relationship Product_Components_Components (29)
- Relationship Product_Order History Details (30)
- Relationship Product_Product Inventory (30)
- Relationship Picture of Product_Product (29)
- Isa Bundle Component Type (31)

References

- local in Entity Group CELDIAL ER Diagram (4)

4. Entities

4.1. Entity ’Accounts Receivable History’ (attributive)

Technology Name: ’AR_HISTORY’

AR_HISTORY provides a monthly payment history for each site’s customers.

Attribute and Constraint Table

Accounts Receivable History

Attributes

type	name	data element	RDB
mF	CUSTNO	<>DA_CustomerNumber<:>	CHAR(7)
mF	SHIPID	<>DA_ShipLocationID<:>	CHAR(2)
m	INVDATE	<>DA_TrackingDate<:>	DATE
o	BAL30	<>DA_Balance<:>	DECIMAL(9,2)
o	BAL60	<>DA_Balance<:>	DECIMAL(9,2)
o	BAL90	<>DA_Balance<:>	DECIMAL(9,2)
o	RECEIVED	<>DA_TrackingDate<:>	DATE
o	RECEIVE	<>DA_PaymentAmount<:>	DECIMAL(9,2)

Constraints

4.1.1. Attributes

4.1.1.1. Attribute ’CUSTNO’

Technology Name: ’CUSTNO’

CelDial customer number.

4.1.1.2. Attribute ’SHIPID’

Technology Name: ’SHIPID’

Ship location identifier.

4.1.1.3. Attribute ’INVDATE’

Technology Name: ’INVDATE’

Invoice date.

4.1.1.4. Attribute ’BAL30’

Technology Name: ’BAL30’

30 day balance.

4.1.1.5. Attribute ’BAL60’

Technology Name: ’BAL60’

60 day balance.

4.1.1.6. Attribute ’BAL90’

Technology Name: ’BAL90’

90 day balance.

4.1.1.7. Attribute ’RECEIVED’

Technology Name: ’RECEIVED’

Payment received date.

4.1.1.8. Attribute ’RECEIVE’

Technology Name: ’RECEIVE’

Payment amount.

References

- local in Entity Group CELDIAL ER Diagram (4)

4.2. Entity ’Buy In’ (attributive)

Technology Name: ’BUY_IN’

Component bought from outside vendor

Attribute and Constraint Table

Buy In			
Attributes			
type	name	data element	RDB
mF	COMPNO	<>DA_ComponentNumber<:>	CHAR(6)
o	Buy In Tracking Date	<>DA_TrackingDate<:>	DATE
Constraints			

4.2.1. Attributes

4.2.1.1. Attribute ’COMPNO’

Technology Name: ’COMPNO’

Component number

4.2.1.2. Attribute 'Buy In Tracking Date'

Technology Name: 'BUY_IN_DATE'

date component was purchased

References

- local in Entity Group Product-related (6)

4.3. Entity 'Components' (fundamental)

Technology Name: 'COMPONENTS'

COMPONENTS identifies the component parts used to assemble a product in PRODUCT. It also contains the price information for each component. COMPONENTS and PRODCOMP provide a single-level bill of materials for each product.

Attribute and Constraint Table

Components

Attributes

type	name	data element	RDB
P	COMPNO	<>DA_ComponentNumber<:>	CHAR(6)
o	COMPDESC	<>DA_Description<:>	CHAR(20)
o	COST	<>DA_Price<:>	DECIMAL(7,2)
o	COSTOLD	<>DA_Price<:>	DECIMAL(7,2)

Constraints

4.3.1. Attributes

4.3.1.1. Attribute 'COMPNO'

Technology Name: 'COMPNO'

Component number.

4.3.1.2. Attribute 'COMPDESC'

Technology Name: 'COMPDESC'

Description.

4.3.1.3. Attribute 'COST'

Technology Name: 'COST'

Component cost.

4.3.1.4. Attribute 'COSTOLD'

Technology Name: 'COSTOLD'

Component cost-previous.

References

- local in Entity Group Product-related (6)

4.4. Entity ’Customer’ (fundamental)

Technology Name: ’CUSTOMER’

CUSTOMER contains general information about customers.

Attribute and Constraint Table

Customer

Attributes

type	name	data element	RDB
P	CUSTNO	<>DA_CustomerNumber<:>	CHAR(7)
m	CUSTNAME	<>DA_CustomerName<:>	CHAR(40)
o	REPNO	<>DA_SalesPersonID<:>	CHAR(5)
o	CONTACT	<>DA_ContactName<:>	CHAR(30)
o	CON_PHONE	<>DA_PhoneNumber<:>	CHAR(17)
o	CON_FAX	<>DA_PhoneNumber<:>	CHAR(17)
o	CON_ADDR	<>DA_Street<:>	CHAR(40)
o	CON_CITY	<>DA_City<:>	CHAR(30)
o	CON_COUNTRY	<>DA_Country<:>	CHAR(20)
o	CON_ZIP	<>DA_Zip<:>	CHAR(10)
o	CON_ZIPLOC	<>DA_ZipFormat<:>	CHAR

Constraints

4.4.1. Attributes

4.4.1.1. Attribute ’CUSTNO’

Technology Name: ’CUSTNO’

CelDial customer number.

4.4.1.2. Attribute ’CUSTNAME’

Technology Name: ’CUSTNAME’

Customer/company name.

4.4.1.3. Attribute ’REPNO’

Technology Name: ’REPNO’

CelDial rep identifier.

4.4.1.4. Attribute ’CONTACT’

Technology Name: ’CONTACT’

Contact name.

4.4.1.5. Attribute 'CON_PHONE'

Technology Name: 'CON_PHONE'

Contact telephone.

4.4.1.6. Attribute 'CON_FAX'

Technology Name: 'CON_FAX'

Contact fax number.

4.4.1.7. Attribute 'CON_ADDR'

Technology Name: 'CON_ADDR'

Contact address.

4.4.1.8. Attribute 'CON_CITY'

Technology Name: 'CON_CITY'

Contact's city

4.4.1.9. Attribute 'CON_COUNTRY'

Technology Name: 'CON_COUNTRY'

Contact's country

4.4.1.10. Attribute 'CON_ZIP'

Technology Name: 'CON_ZIP'

Zip/postal code.

4.4.1.11. Attribute 'CON_ZIPLOC'

Technology Name: 'CON_ZIPLOC'

Postal code mailing label location:

o 1 = after country (USA style) o 2 = before city (Eur style) o 3 = after city (UK style)

References

- local in Entity Group CELDIAL ER Diagram (4)

4.5. Entity 'Customer Shipping Address' (fundamental)

Technology Name: 'CUSTSHIP'

CUSTOMER_SHIP lists the shipping address and the billing address for each customer.

Attribute and Constraint Table

Customer Shipping Address

Attributes

type	name	data element	RDB
PF	CUSTNO	<>DA_CustomerNumber<:>	CHAR(7)
P	SHIPID	<>DA_ShipLocationID<:>	CHAR(2)
o	SHIP_ADDR	<>DA_Street<:>	CHAR(40)
o	SHIP_CITY	<>DA_City<:>	CHAR(30)
o	SHIP_COUNTRY	<>DA_Country<:>	CHAR(20)
o	SHIP_ZIP	<>DA_Zip<:>	CHAR(10)
o	SHIP_ZIPLOC	<>DA_ZipFormat<:>	CHAR
o	BILL_ADDR	<>DA_Street<:>	CHAR(40)
o	BILL_CITY	<>DA_City<:>	CHAR(30)
o	BILL_COUNTRY	<>DA_Country<:>	CHAR(20)
o	BILL_ZIP	<>DA_Zip<:>	CHAR(10)
o	BILL_ZIPLOC	<>DA_ZipFormat<:>	CHAR

Constraints

4.5.1. Attributes

4.5.1.1. Attribute ’CUSTNO’

Technology Name: ’CUSTNO’

CelDial customer number.

4.5.1.2. Attribute ’SHIPID’

Technology Name: ’SHIPID’

Ship location identifier.

4.5.1.3. Attribute ’SHIP_ADDR’

Technology Name: ’SHIP_ADDR’

Ship-to address.

4.5.1.4. Attribute ’SHIP_CITY’

Technology Name: ’SHIP_CITY’

City to be shipped to

4.5.1.5. Attribute ’SHIP_COUNTRY’

Technology Name: ’SHIP_COUNTRY’

Country to be shi;;ed to

4.5.1.6. Attribute 'SHIP_ZIP'

Technology Name: 'SHIP_ZIP'

Zip/postal address.

4.5.1.7. Attribute 'SHIP_ZIPLOC'

Technology Name: 'SHIP_ZIPLOC'

Postal code location as in the USERID.CUSTOMER table.

4.5.1.8. Attribute 'BILL_ADDR'

Technology Name: 'BILL_ADDR'

Bill-to address.

4.5.1.9. Attribute 'BILL_CITY'

Technology Name: 'BILL_CITY'

City to be billed to

4.5.1.10. Attribute 'BILL_COUNTRY'

Technology Name: 'BILL_COUNTRY'

Country to be billed to

4.5.1.11. Attribute 'BILL_ZIP'

Technology Name: 'BILL_ZIP'

Zip/postal code.

4.5.1.12. Attribute 'BILL_ZIPLOC'

Technology Name: 'BILL_ZIPLOC'

Postal code location as in the USERID.CUSTOMER table.

References

- local in Entity Group CELDIAL ER Diagram (4)

4.6. Entity 'Make to Order' (attributive)

Technology Name: 'MAKE_TO_ORDER'

Internally-produced component; custom-made

Attribute and Constraint Table

Make to Order			
Attributes			
type	name	data element	RDB
mF	COMPNO	<>DA_ComponentNumber<:>	CHAR(6)
o	Part Maker	<>DA_ContactName<:>	CHAR(30)
Constraints			

4.6.1. Attributes

4.6.1.1. Attribute ’COMPNO’

Technology Name: ’COMPNO’

Component number

4.6.1.2. Attribute ’Part Maker’

Technology Name: ’PART_MAKER’

Name of part maker

References

- local in Entity Group Product-related (6)

4.7. Entity ’Order History Details’ (attributive)

Technology Name: ’ORDER_HIST_DET’

ORDER_HIST_DET tracks the history of an order line in a wholesale customer order.

Attribute and Constraint Table

Order History Details			
Attributes			
type	name	data element	RDB
m	ORDERREF	<>DA_OrderRefNumber<:>	CHAR(5)
mF	PARTNO	<>DA_PartNumber<:>	CHAR(5)
mF	MODEL	<>DA_Model<:>	CHAR(5)
o	PARTPRICE	<>DA_Price<:>	DECIMAL(7,2)
o	UNITS	<>DA_Units<:>	SMALLINT
Constraints			

4.7.1. Attributes

4.7.1.1. Attribute 'ORDERREF'

Technology Name: 'ORDERREF'

Order reference number.

4.7.1.2. Attribute 'PARTNO'

Technology Name: 'PARTNO'

Part number.

4.7.1.3. Attribute 'MODEL'

Technology Name: 'MODEL'

Model.

4.7.1.4. Attribute 'PARTPRICE'

Technology Name: 'PARTPRICE'

Unit selling price (negotiated).

4.7.1.5. Attribute 'UNITS'

Technology Name: 'UNITS'

Number of units ordered.

References

- local in Entity Group Product-related (6)

4.8. Entity 'Order History Summary' (attributive)

Technology Name: 'ORDER_HIST_SUM'

ORDER_HIST_SUM tracks the history of the retail and wholesale customer orders.

Attribute and Constraint Table

Order History Summary

Attributes

type	name	data element	RDB
m	ORDERREF	<>DA_OrderRefNumber<:>	CHAR(5)
mF	CUSTNO	<>DA_CustomerNumber<:>	CHAR(7)
mF	SHIPID	<>DA_ShipLocationID<:>	CHAR(2)
o	ORDERDATE	<>DA_TrackingDate<:>	DATE
o	CUSTSHIPDATE	<>DA_ShipDate<:>	DATE
o	PLANSHIPDATE	<>DA_ShipDate<:>	DATE
o	ACTSHIPDATE	<>DA_ShipDate<:>	DATE
o	COMMENTS	<>DA_Comments<:>	CHAR(80)

Constraints

4.8.1. Attributes

4.8.1.1. Attribute ’ORDERREF’

Technology Name: ’ORDERREF’

Order reference number.

4.8.1.2. Attribute ’CUSTNO’

Technology Name: ’CUSTNO’

CelDial customer number.

4.8.1.3. Attribute ’SHIPID’

Technology Name: ’SHIPID’

Ship location identifier.

4.8.1.4. Attribute ’ORDERDATE’

Technology Name: ’ORDERDATE’

Order date.

4.8.1.5. Attribute ’CUSTSHIPDATE’

Technology Name: ’CUSTSHIPDATE’

Customer requested ship date.

4.8.1.6. Attribute ’PLANSHIPDATE’

Technology Name: ’PLANSHIPDATE’

Planned ship date.

4.8.1.7. Attribute 'ACTSHIPDATE'

Technology Name: 'ACTSHIPDATE'

Actual ship date.

4.8.1.8. Attribute 'COMMENTS'

Technology Name: 'COMMENTS'

Comments.

References

- local in Entity Group CELDIAL ER Diagram (4)

4.9. Entity 'Order Summary' (fundamental)

Technology Name: 'ORDER_SUMMARY'

ORDER_SUMMARY tracks the status of both retail and wholesale customer orders. It contains general information that applies to all the order lines (ORDER_DETAIL) contained in the order.

Attribute and Constraint Table

Order Summary

Attributes

type	name	data element	RDB
P	ORDERREF	<>DA_OrderRefNumber<:>	CHAR(5)
mF	CUSTNO	<>DA_CustomerNumber<:>	CHAR(7)
mF	SHIPID	<>DA_ShipLocationID<:>	CHAR(2)
o	ORDERDATE	<>DA_TrackingDate<:>	DATE
o	CUSTSHIPDATE	<>DA_ShipDate<:>	DATE
o	PLANSHIPDATE	<>DA_ShipDate<:>	DATE
o	STATUS	<>DA_Status<:>	CHAR(2)
o	COMMENTS	<>DA_Comments<:>	CHAR(80)

Constraints

4.9.1. Attributes

4.9.1.1. Attribute 'ORDERREF'

Technology Name: 'ORDERREF'

Order reference number.

4.9.1.2. Attribute 'CUSTNO'

Technology Name: 'CUSTNO'

CelDial customer number.

4.9.1.3. Attribute 'SHIPID'

Technology Name: 'SHIPID'

Ship location identifier.

4.9.1.4. Attribute 'ORDERDATE'

Technology Name: 'ORDERDATE'

Order date.

4.9.1.5. Attribute 'CUSTSHIPDATE'

Technology Name: 'CUSTSHIPDATE'

Customer requested ship date.

4.9.1.6. Attribute 'PLANSHIPDATE'

Technology Name: 'PLANSHIPDATE'

Planned ship date.

4.9.1.7. Attribute 'STATUS'

Technology Name: 'STATUS'

Order status.

4.9.1.8. Attribute 'COMMENTS'

Technology Name: 'COMMENTS'

Comments.

References

- local in Entity Group CELDIAL ER Diagram (4)
- as Ghost Entity in Entity Group Product-related (6)

4.10. Entity 'Picture of Product' (fundamental)

Technology Name: 'PRODSHOW'

PRODSHOW contains a bitmap image of the product. Enables the telemarketers to verify that the product ID number corresponds to the product description.

Attribute and Constraint Table

Picture of Product			
Attributes			
type	name	data element	RDB
P	PARTNO	<>DA_PartNumber<:>	CHAR(5)
o	PARTDESC	<>DA_Description<:>	CHAR(20)
o	PARTPIC	<>DA_PartPhoto<:>	LONG VARCHAR
Constraints			

4.10.1. Attributes

4.10.1.1. Attribute ’PARTNO’

Technology Name: ’PARTNO’

Part number.

4.10.1.2. Attribute ’PARTDESC’

Technology Name: ’PARTDESC’

Description.

4.10.1.3. Attribute ’PARTPIC’

Technology Name: ’PARTPIC’

For BIT DATA Bitmap image of product.

References

- local in Entity Group Product-related (6)

4.11. Entity ’Product’ (fundamental)

Technology Name: ’PRODUCT’

PRODUCT contains price information for a particular product and model number.

Attribute and Constraint Table

Product

Attributes

type	name	data element	RDB
PF	PARTNO	<>DA_PartNumber<:>	CHAR(5)
P	MODEL	<>DA_Model<:>	CHAR(5)
o	PARTPRICE	<>DA_Price<:>	DECIMAL(7,2)
o	PARTMSR	<>DA_Price<:>	DECIMAL(7,2)
o	PARTDISC	<>DA_FlagYesNo<:>	CHAR
o	PARTSHIPDATE	<>DA_ShipDate<:>	DATE

Constraints

4.11.1. Attributes

4.11.1.1. Attribute ’PARTNO’

Technology Name: ’PARTNO’

Part number.

4.11.1.2. Attribute ’MODEL’

Technology Name: ’MODEL’

Model.

4.11.1.3. Attribute ’PARTPRICE’

Technology Name: ’PARTPRICE’

Suggested wholesale price.

4.11.1.4. Attribute ’PARTMSR’

Technology Name: ’PARTMSR’

Suggested retail price.

4.11.1.5. Attribute ’PARTDISC’

Technology Name: ’PARTDISC’

Eligible for volume discount (Y/N).

4.11.1.6. Attribute ’PARTSHIPDATE’

Technology Name: ’PARTSHIPDATE’

First ship date.

References

- local in Entity Group Product-related (6)

4.12. Entity ’Product_Components’ (associative)

Technology Name: ’PRODCOMP’

PRODCOMP contains the quantity of a component parts required to assemble a product in PRODUCT. COMPONENTS and PRODCOMP provide a single-level bill of materials for each product.

Attribute and Constraint Table

Product_Components

Attributes

type	name	data element	RDB
PF	COMPNO	<>DA_ComponentNumber<:>	CHAR(6)
PF	PARTNO	<>DA_PartNumber<:>	CHAR(5)
PF	MODEL	<>DA_Model<:>	CHAR(5)
o	Units	<>DA_Units<:>	SMALLINT

Constraints

4.12.1. Attributes

4.12.1.1. Attribute ’COMPNO’

Technology Name: ’COMPNO’

Component number.

4.12.1.2. Attribute ’PARTNO’

Technology Name: ’PARTNO’

Part number.

4.12.1.3. Attribute ’MODEL’

Technology Name: ’MODEL’

Model.

4.12.1.4. Attribute ’Units’

Technology Name: ’UNITS’

How many used in the product.

References

- local in Entity Group Product-related (6)

4.13. Entity ’Product Inventory’ (attributive)

Technology Name: ’PRODINV’

Product inventory;. Note: check if still recorded every second tTusday of the month.

Attribute and Constraint Table

Product Inventory

Attributes

type	name	data element	RDB
mF	PARTNO	<>DA_PartNumber<:>	CHAR(5)
mF	MODEL	<>DA_Model<:>	CHAR(5)
o	INVENTORY	<>DA_Units<:>	SMALLINT
o	RESTOCK	<>DA_Units<:>	SMALLINT
o	RESTOCK_LEAD_DAYS	<>DA_Days<:>	SMALLINT
o	EARMARKED	<>DA_Units<:>	SMALLINT

Constraints

4.13.1. Attributes

4.13.1.1. Attribute ’PARTNO’

Technology Name: ’PARTNO’

Part number.

4.13.1.2. Attribute ’MODEL’

Technology Name: ’MODEL’

Model.

4.13.1.3. Attribute ’INVENTORY’

Technology Name: ’INVENTORY’

Current inventory.

4.13.1.4. Attribute ’RESTOCK’

Technology Name: ’RESTOCK’

Restock level and amount.

4.13.1.5. Attribute ’RESTOCK_LEAD_DAYS’

Technology Name: ’RESTOCK_LEAD_DAYS’

Lead time to stock.

4.13.1.6. Attribute ’EARMARKED’

Technology Name: ’EARMARKED’

Commit quantity for retail order.

References

- local in Entity Group Product-related (6)

4.14. Entity ’Standard’ (attributive)

Technology Name: ’STANDARD’

Standard, internally-produced component

Attribute and Constraint Table

Standard			
Attributes			
type	name	data element	RDB
mF	COMPNO	<>DA_ComponentNumber<:>	CHAR(6)
o	Suggested Manf Retail Price	<>DA_Price<:>	DECIMAL(7,2)
Constraints			

4.14.1. Attributes

4.14.1.1. Attribute ’COMPNO’

Technology Name: ’COMPNO’

Component number

4.14.1.2. Attribute ’Suggested Manf Retail Price’

Technology Name: ’SUG_MANF_RET_PRICE’

Suggested manufacturer’s retail price

References

- local in Entity Group Product-related (6)

5. Relationships

5.1. Relationship ’Customer_Customer Shipping Address’ (1,1-0,*)

Technology Name: ’CUSTOMER_CUSTSHIP’

This relation specifies who (a customer) has initiated which shipments.

Attribute and Constraint Table

Customer_Customer Shipping Address
Attributes
Constraints

Participating Entities

- Entity 1: Customer (12)
- Entity 2: Customer Shipping Address (13)

5.2. Relationship ’Customer Shipping Address_Accounts Receivable History’ (1,1-0,*)

Technology Name: ’CUSTSHIP_AR_HISTOR’

To each shipping respectivly billing adress exists minimum one payment history.

Attribute and Constraint Table

Customer Shipping Address_Accounts Receivable History
Attributes
Constraints

Participating Entities

- Entity 1: Customer Shipping Address (13)
- Entity 2: Accounts Receivable History (9)

5.3. Relationship ’Customer Shipping Address_is associated with_Order Summary’ (1,1-1,*)

Technology Name: ’CUSTSHIP_ORDER_SUM’

Attribute and Constraint Table

Customer Shipping Address_is associated with_Order Summary
Attributes
Constraints

Participating Entities

- Entity 1: Customer Shipping Address (13)
- Entity 2: Order Summary (19)
- Customer Shipping Address is associated with Order Summary

5.4. Relationship 'Customer Shipping Address_Order History Summary' (1,1-0,*)

Technology Name: 'CUSTSHIP_ORDER_HIS'

Attribute and Constraint Table

Customer Shipping Address_Order History Summary
Attributes
Constraints

Participating Entities

- Entity 1: Customer Shipping Address (13)
- Entity 2: Order History Summary (17)

5.5. Relationship 'Order Summary_refers to_Product' (1,*-1,*)

Technology Name: 'ORDER_DETAIL'

ORDER_DETAIL tracks wholesale orders. It corresponds to an order line on the customer order. It contains information about the negotiated selling price and the number of units ordered.

Attribute and Constraint Table

Order Summary_refers to_Product			
Attributes			
type	name	data element	RDB
PF	ORDERREF	<>DA_OrderRefNumber<:>	CHAR(5)
PF	PARTNO	<>DA_PartNumber<:>	CHAR(5)
PF	MODEL	<>DA_Model<:>	CHAR(5)
o	PARTPRICE	<>DA_Price<:>	DECIMAL(7,2)
o	UNITS	<>DA_Units<:>	SMALLINT
Constraints			

5.5.1. Attributes

5.5.1.1. Attribute 'ORDERREF'

Technology Name: 'ORDERREF'

Order reference number.

5.5.1.2. Attribute 'PARTNO'

Technology Name: 'PARTNO'

Part number.

5.5.1.3. Attribute 'MODEL'

Technology Name: 'MODEL'

Model.

5.5.1.4. Attribute 'PARTPRICE'

Technology Name: 'PARTPRICE'

Unit selling price (negotiated).

5.5.1.5. Attribute 'UNITS'

Technology Name: 'UNITS'

Number of units ordered.

Participating Entities

- Entity 1: Order Summary (19)
- Entity 2: Product (21)
- Order Summary refers to Product
- Product is referred to by Order Summary

5.6. Relationship ’Picture of Product_Product’ (1,1-0,*)

Technology Name: ’PRODSHOW_PRODUCT’

Attribute and Constraint Table

Picture of Product_Product
Attributes
Constraints

Participating Entities

- Entity 1: Picture of Product (20)
- Entity 2: Product (21)

5.7. Relationship ’Product_Components_Components’ (0,*-1,1)

Technology Name: ’Prdct_Cmpnnts2_Cmp’

Attribute and Constraint Table

Product_Components_Components
Attributes
Constraints

Participating Entities

- Entity 1: Product_Components (23)
- Entity 2: Components (11)

5.8. Relationship ’Product_Components_Product’ (1,*-1,1)

Technology Name: ’Prdct_Cmpnnts2_Prd’

Attribute and Constraint Table

Product_Components_Product
Attributes
Constraints

Participating Entities

- Entity 1: Product_Components (23)
- Entity 2: Product (21)

5.9. Relationship ’Product_Order History Details’ (1,1-1,*)

Technology Name: ’PRODUCT_ORDER_HIST’

Attribute and Constraint Table

Product_Order History Details
Attributes
Constraints

Participating Entities

- Entity 1: Product (21)
- Entity 2: Order History Details (16)

5.10. Relationship ’Product_Product Inventory’ (1,1-0,*)

Technology Name: ’PRODUCT_PRODINV’

Attribute and Constraint Table

Product_Product Inventory
Attributes
Constraints

Participating Entities

- Entity 1: Product (21)
- Entity 2: Product Inventory (23)

6. Isa Bundles

6.1. Isa Bundle 'Component Type'

Participating Entities and Existence Rules

- SUPER-Type: Components (11)
- Existence rules: can be (optional) exactly one of (exclusive)
- SUB-Type: Buy In (10)
- SUB-Type: Make to Order (15)
- SUB-Type: Standard (25)

References

- local in Entity Group Product-related (6)

7. Data Elements

7.1. Data Element '<>DA_Balance<:>'

Balance of customer payments over certain period of time.

Representation

- RDB: DECIMAL(9,2)

References

- Attribute BAL30 (Entity: Accounts Receivable History) (9)
- Attribute BAL60 (Entity: Accounts Receivable History) (10)
- Attribute BAL90 (Entity: Accounts Receivable History) (10)

7.2. Data Element '<>DA_City<:>'

Name of a city.

Representation

- RDB: CHAR(30)

References

- Attribute BILL_CITY (Entity: Customer Shipping Address) (15)
- Attribute CON_CITY (Entity: Customer) (13)
- Attribute SHIP_CITY (Entity: Customer Shipping Address) (14)

7.3. Data Element '<>DA_Comments<:>'

Field for comments.

Representation

- RDB: CHAR(80)

References

- Attribute COMMENTS (Entity: Order History Summary) (19)
- Attribute COMMENTS (Entity: Order Summary) (20)

7.4. Data Element '<>DA_ComponentNumber<:>'

Unique component identification number.

Representation

- RDB: CHAR(6)

References

- Attribute COMPNO (Entity: Components) (11)
- Attribute COMPNO (Entity: Standard) (25)
- Attribute COMPNO (Entity: Make to Order) (16)
- Attribute COMPNO (Entity: Product_Components) (23)
- Attribute COMPNO (Entity: Buy In) (10)

7.5. Data Element '<>DA_ContactName<:>'

Name of a contact person.

Representation

- RDB: CHAR(30)

References

- Attribute CONTACT (Entity: Customer) (12)
- Attribute Part Maker (Entity: Make to Order) (16)

7.6. Data Element '<>DA_Country<:>'

Name of a country.

Representation

- RDB: CHAR(20)

References

- Attribute BILL_COUNTRY (Entity: Customer Shipping Address) (15)
- Attribute CON_COUNTRY (Entity: Customer) (13)
- Attribute SHIP_COUNTRY (Entity: Customer Shipping Address) (14)

7.7. Data Element '<>DA_CustomerName<:>'

Name of a customer in the form 'Lastname', 'Firstname', 'Middle Initial'.

Representation

- RDB: CHAR(40)

References

- Attribute CUSTNAME (Entity: Customer) (12)

7.8. Data Element '<>DA_CustomerNumber<:>'

Unique identification number of a customer.

Representation

- RDB: CHAR(7)

References

- Attribute CUSTNO (Entity: Accounts Receivable History) (9)
- Attribute CUSTNO (Entity: Customer) (12)
- Attribute CUSTNO (Entity: Customer Shipping Address) (14)
- Attribute CUSTNO (Entity: Order History Summary) (18)
- Attribute CUSTNO (Entity: Order Summary) (19)

7.9. Data Element '<>DA_Days<:>'

Number of days.

Representation

- RDB: SMALLINT

References

- Attribute RESTOCK_LEAD_DAYS (Entity: Product Inventory) (24)

7.10. Data Element '<>DA_Description<:>'

Description field.

Representation

- RDB: CHAR(20)

References

- Attribute COMPDESC (Entity: Components) (11)
- Attribute PARTDESC (Entity: Picture of Product) (21)

7.11. Data Element '<>DA_FlagYesNo<:>'

Flag which can have a value of either 'Y' for YES of 'N' for NO.

Representation

- RDB: CHAR

References

- Attribute PARTDISC (Entity: Product) (22)

7.12. Data Element '<>DA_Model<:>'

Model type of a product.

Representation

- RDB: CHAR(5)

References

- Attribute MODEL (Entity: Product Inventory) (24)
- Attribute MODEL (Entity: Order History Details) (17)
- Attribute MODEL (Entity: Product_Components) (23)
- Attribute MODEL (Entity: Product) (22)
- Attribute MODEL (Relationship: Order Summary_refers to_Product) (28)

7.13. Data Element '<>DA_OrderRefNumber<:>'

Unique order reference number.

Representation

- RDB: CHAR(5)

References

- Attribute ORDERREF (Entity: Order History Details) (17)
- Attribute ORDERREF (Entity: Order Summary) (19)
- Attribute ORDERREF (Entity: Order History Summary) (18)
- Attribute ORDERREF (Relationship: Order Summary_refers to_Product) (28)

7.14. Data Element '<>DA_PartNumber<:>'

Unique part identification number.

Representation

- RDB: CHAR(5)

References

- Attribute PARTNO (Entity: Product_Components) (23)
- Attribute PARTNO (Entity: Order History Details) (17)
- Attribute PARTNO (Entity: Product Inventory) (24)
- Attribute PARTNO (Entity: Product) (22)
- Attribute PARTNO (Entity: Picture of Product) (21)
- Attribute PARTNO (Relationship: Order Summary_refers to_Product) (28)

7.15. Data Element '<>DA_PartPhoto<:>'

Bitmap image of a product.

Representation

- RDB: LONG VARCHAR

References

- Attribute PARTPIC (Entity: Picture of Product) (21)

7.16. Data Element '<>DA_PaymentAmount<:>'

Amount to pay or paid by customer.

Representation

- RDB: DECIMAL(9,2)

References

- Attribute RECEIVE (Entity: Accounts Receivable History) (10)

7.17. Data Element '<>DA_PhoneNumber<:>'

Telephone or Fax number.

Representation

- RDB: CHAR(17)

References

- Attribute CON_FAX (Entity: Customer) (13)
- Attribute CON_PHONE (Entity: Customer) (13)

7.18. Data Element '<>DA_Price<:>'

Price of a product.

Representation

- RDB: DECIMAL(7,2)

References

- Attribute COST (Entity: Components) (11)
- Attribute COSTOLD (Entity: Components) (11)
- Attribute PARTMSR (Entity: Product) (22)
- Attribute PARTPRICE (Entity: Product) (22)
- Attribute PARTPRICE (Entity: Order History Details) (17)
- Attribute Suggested Manf Retail Price (Entity: Standard) (25)
- Attribute PARTPRICE (Relationship: Order Summary_refers to_Product) (28)

7.19. Data Element '<>DA_SalesPersonID<:>'

Unique identification number of a Celdial representation.

Representation

- RDB: CHAR(5)

References

- Attribute REPNO (Entity: Customer) (12)

7.20. Data Element '<>DA_ShipDate<:>'

Date.

Representation

- RDB: DATE

References

- Attribute ACTSHIPDATE (Entity: Order History Summary) (19)
- Attribute CUSTSHIPDATE (Entity: Order History Summary) (18)
- Attribute CUSTSHIPDATE (Entity: Order Summary) (20)
- Attribute PARTSHIPDATE (Entity: Product) (22)
- Attribute PLANSHIPDATE (Entity: Order History Summary) (18)
- Attribute PLANSHIPDATE (Entity: Order Summary) (20)

7.21. Data Element '<>DA_ShipLocationID<:>'

Ship location identification number.

Representation

- RDB: CHAR(2)

References

- Attribute SHIPID (Entity: Order Summary) (20)
- Attribute SHIPID (Entity: Accounts Receivable History) (9)
- Attribute SHIPID (Entity: Customer Shipping Address) (14)
- Attribute SHIPID (Entity: Order History Summary) (18)

7.22. Data Element '<>DA_Status<:>'

Status of an order.

Representation

- RDB: CHAR(2)

References

- Attribute STATUS (Entity: Order Summary) (20)

7.23. Data Element '<>DA_Street<:>'

Mailing address.

Representation

- RDB: CHAR(40)

References

- Attribute BILL_ADDR (Entity: Customer Shipping Address) (15)
- Attribute CON_ADDR (Entity: Customer) (13)
- Attribute SHIP_ADDR (Entity: Customer Shipping Address) (14)

7.24. Data Element '<>DA_TrackingDate<:>'

Date for tracking purposes like order date.

Representation

- RDB: DATE

References

- Attribute Buy In Tracking Date (Entity: Buy In) (11)
- Attribute INVDATE (Entity: Accounts Receivable History) (9)
- Attribute ORDERDATE (Entity: Order Summary) (20)
- Attribute ORDERDATE (Entity: Order History Summary) (18)
- Attribute RECEIVED (Entity: Accounts Receivable History) (10)

7.25. Data Element '<>DA_Units<:>'

An Integer number.

Representation

- RDB: SMALLINT

References

- Attribute EARMARKED (Entity: Product Inventory) (24)
- Attribute INVENTORY (Entity: Product Inventory) (24)
- Attribute RESTOCK (Entity: Product Inventory) (24)
- Attribute Units (Entity: Product_Components) (23)
- Attribute UNITS (Entity: Order History Details) (17)
- Attribute UNITS (Relationship: Order Summary_refers to_Product) (28)

7.26. Data Element '<>DA_Zip<:>'

Zip or postal code.

Representation

- RDB: CHAR(10)

References

- Attribute BILL_ZIP (Entity: Customer Shipping Address) (15)
- Attribute CON_ZIP (Entity: Customer) (13)
- Attribute SHIP_ZIP (Entity: Customer Shipping Address) (15)

7.27. Data Element '<>DA_ZipFormat<:>'

Postal code mailing Label Location. Value can be: o 1=after country (USA style) o 2=before city (European style) o 3=after city (UK style).

Representation

- RDB: CHAR

References

- Attribute BILL_ZIPLOC (Entity: Customer Shipping Address) (15)
- Attribute CON_ZIPLOC (Entity: Customer) (13)
- Attribute SHIP_ZIPLOC (Entity: Customer Shipping Address) (15)

8. Index

Attribute ACTSHIPDATE (Entity Order History Summary) 19
Attribute BAL30 (Entity Accounts Receivable History) 9
Attribute BAL60 (Entity Accounts Receivable History) 10
Attribute BAL90 (Entity Accounts Receivable History) 10
Attribute BILL_ADDR (Entity Customer Shipping Address) 15
Attribute BILL_CITY (Entity Customer Shipping Address) 15
Attribute BILL_COUNTRY (Entity Customer Shipping Address) 15
Attribute BILL_ZIP (Entity Customer Shipping Address) 15
Attribute BILL_ZIPLOC (Entity Customer Shipping Address) 15
Attribute Buy In Tracking Date (Entity Buy In) 11
Attribute COMMENTS (Entity Order History Summary) 19
Attribute COMMENTS (Entity Order Summary) 20
Attribute COMPDESC (Entity Components) 11
Attribute COMPNO (Entity Buy In) 10
Attribute COMPNO (Entity Components) 11
Attribute COMPNO (Entity Make to Order) 16
Attribute COMPNO (Entity Product_Components) 23
Attribute COMPNO (Entity Standard) 25
Attribute CON_ADDR (Entity Customer) 13
Attribute CON_CITY (Entity Customer) 13
Attribute CON_COUNTRY (Entity Customer) 13
Attribute CON_FAX (Entity Customer) 13
Attribute CON_PHONE (Entity Customer) 13
Attribute CONTACT (Entity Customer) 12
Attribute CON_ZIP (Entity Customer) 13
Attribute CON_ZIPLOC (Entity Customer) 13
Attribute COST (Entity Components) 11
Attribute COSTOLD (Entity Components) 11
Attribute CUSTNAME (Entity Customer) 12
Attribute CUSTNO (Entity Accounts Receivable History) 9
Attribute CUSTNO (Entity Customer) 12
Attribute CUSTNO (Entity Customer Shipping Address) 14
Attribute CUSTNO (Entity Order History Summary) 18
Attribute CUSTNO (Entity Order Summary) 19
Attribute CUSTSHIPDATE (Entity Order History Summary) 18
Attribute CUSTSHIPDATE (Entity Order Summary) 20
Attribute EARMARKED (Entity Product Inventory) 24
Attribute INVDATE (Entity Accounts Receivable History) 9
Attribute INVENTORY (Entity Product Inventory) 24
Attribute MODEL (Entity Order History Details) 17
Attribute MODEL (Entity Product) 22
Attribute MODEL (Entity Product_Components) 23
Attribute MODEL (Entity Product Inventory) 24
Attribute MODEL (Relationship Order Summary_refers to_Product) 28
Attribute ORDERDATE (Entity Order History Summary) 18
Attribute ORDERDATE (Entity Order Summary) 20
Attribute ORDERREF (Entity Order History Details) 17
Attribute ORDERREF (Entity Order History Summary) 18
Attribute ORDERREF (Entity Order Summary) 19
Attribute ORDERREF (Relationship Order Summary_refers to_Product) 28
Attribute PARTDESC (Entity Picture of Product) 21
Attribute PARTDISC (Entity Product) 22
Attribute Part Maker (Entity Make to Order) 16

Attribute PARTMSR (Entity Product) 22
Attribute PARTNO (Entity Order History Details) 17
Attribute PARTNO (Entity Picture of Product) 21
Attribute PARTNO (Entity Product) 22
Attribute PARTNO (Entity Product_Components) 23
Attribute PARTNO (Entity Product Inventory) 24
Attribute PARTNO (Relationship Order Summary_refers to_Product) 28
Attribute PARTPIC (Entity Picture of Product) 21
Attribute PARTPRICE (Entity Order History Details) 17
Attribute PARTPRICE (Entity Product) 22
Attribute PARTPRICE (Relationship Order Summary_refers to_Product) 28
Attribute PARTSHIPDATE (Entity Product) 22
Attribute PLANSHIPDATE (Entity Order History Summary) 18
Attribute PLANSHIPDATE (Entity Order Summary) 20
Attribute RECEIVED (Entity Accounts Receivable History) 10
Attribute RECEIVE (Entity Accounts Receivable History) 10
Attribute REPNO (Entity Customer) 12
Attribute RESTOCK (Entity Product Inventory) 24
Attribute RESTOCK_LEAD_DAYS (Entity Product Inventory) 24
Attribute SHIP_ADDR (Entity Customer Shipping Address) 14
Attribute SHIP_CITY (Entity Customer Shipping Address) 14
Attribute SHIP_COUNTRY (Entity Customer Shipping Address) 14
Attribute SHIPID (Entity Accounts Receivable History) 9
Attribute SHIPID (Entity Customer Shipping Address) 14
Attribute SHIPID (Entity Order History Summary) 18
Attribute SHIPID (Entity Order Summary) 20
Attribute SHIP_ZIP (Entity Customer Shipping Address) 15
Attribute SHIP_ZIPLOC (Entity Customer Shipping Address) 15
Attribute STATUS (Entity Order Summary) 20
Attribute Suggested Manf Retail Price (Entity Standard) 25
Attribute UNITS (Entity Order History Details) 17
Attribute Units (Entity Product_Components) 23
Attribute UNITS (Relationship Order Summary_refers to_Product) 28
Data Element <>DA_Balance<:> 32
Data Element <>DA_City<:> 32
Data Element <>DA_Comments<:> 32
Data Element <>DA_ComponentNumber<:> 32
Data Element <>DA_ContactName<:> 32
Data Element <>DA_Country<:> 33
Data Element <>DA_CustomerName<:> 33
Data Element <>DA_CustomerNumber<:> 33
Data Element <>DA_Days<:> 33
Data Element <>DA_Description<:> 34
Data Element <>DA_FlagYesNo<:> 34
Data Element <>DA_Model<:> 34
Data Element <>DA_OrderRefNumber<:> 34
Data Element <>DA_PartNumber<:> 34
Data Element <>DA_PartPhoto<:> 35
Data Element <>DA_PaymentAmount<:> 35
Data Element <>DA_PhoneNumber<:> 35
Data Element <>DA_Price<:> 35
Data Element <>DA_SalesPersonID<:> 36
Data Element <>DA_ShipDate<:> 36
Data Element <>DA_ShipLocationID<:> 36
Data Element <>DA_Status<:> 36
Data Element <>DA_Street<:> 36

Data Element <>DA_TrackingDate<:> 37
Data Element <>DA_Units<:> 37
Data Element <>DA_Zip<:> 37
Data Element <>DA_ZipFormat<:> 37
Entity Accounts Receivable History 9
Entity Buy In 10
Entity Components 11
Entity Customer 12
Entity Customer Shipping Address 13
Entity Group CELDIAL ER Diagram 4
Entity Group Product-related 6
Entity Make to Order 15
Entity Order History Details 16
Entity Order History Summary 17
Entity Order Summary 19
Entity Picture of Product 20
Entity Product 21
Entity Product_Components 23
Entity Product Inventory 23
Entity Standard 25
Isa Bundle Component Type 31
Relationship Customer_Customer Shipping Address 26
Relationship Customer Shipping Address_Accounts Receivable History 26
Relationship Customer Shipping Address_is associated with_Order Summary 26
Relationship Customer Shipping Address_Order History Summary 27
Relationship Order Summary_refers to_Product 27
Relationship Picture of Product_Product 29
Relationship Product_Components_Components 29
Relationship Product_Components_Product 29
Relationship Product_Order History Details 30
Relationship Product_Product Inventory 30