

Eclipse Web Integration Interface Manual

Last Updated October 2010

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Introduction

This document provides a design outline and reference source for the transaction sets made available through the Eclipse Web Integration Interface. This interface provides a seamless process for B2B transactions between your business and any other business using Internet transactions.

This toolset uses a proprietary XML format as defined by the “document type definition” (DTD) located at:

<http://www.eclipseinc.com/dtd/IDMS-XML.dtd>

Combined with the XSLT translation tools provided by IBM WebSphere, the Eclipse Web Integration Interface can communicate with any e-Business implementation that is translatable using XSLT, which includes all valid XML documents.

Business Benefits and Possible Uses

This manual describes the full capabilities of the Eclipse Web Integration Interface. With this system, you can implement the following useful business models:

- Setting up trade partnerships with XML-capable businesses
- Synchronizing third-party databases with the Eclipse database
- Building a shopping cart web site to replace the Eclipse Web Commerce product and offer a more customized user experience
- Sharing customer information with marketing businesses

Note Regarding DTDs

While it is not necessary to be able to read a DTD file, it is very useful. For more information and a tutorial on how to read these definitions, please see:

http://msdn.microsoft.com/library/default.asp?url=/library/en-us/xmlsdk/htm/dtd_dev_1cys.asp

Organizational Overview

The following provides general information about transactions, logins, session, and error handling.

The Basic Transaction

The Web Integration interface is transaction-based service. All transactions include a request and a response. All the system's transactions follow the same convention, with a request `RequestTagName` being responded to with `RequestTagNameResponse`. For example, to create a new order in the system, submit a `SalesOrderSubmit` tag. This is the request. The response from the system will be a `SalesOrderSubmitResponse` tag.

Other conventions to note:

- Any Secure transaction requires a `Security` tag.
- All responses contain a `SessionID` tag that can be used in subsequent requests (subject to time-out).
- All responses contain a `StatusResult` tag that indicates one of the following; a successful transaction with an optional description operation, or an `ErrorMessageList` tag that describe the errors encountered.

Logins and Sessions

When you execute a transaction that is Secure, authentication must be provided. This authentication is done with the `Security` tag and either a `Login` tag or a `SessionID` tag. For one-time-only transactions in which no session is involved, the login version of the `Security` tag is used. For one-time-only transactions a login and password is provided in the request transaction. The request is parsed by the system, and if the login and password are valid, then the request processes without error and the response is generated. If the login and/or password are invalid, the request is not processed, and an error is returned.

When a session is requested, such as when the system is communicating with a web server to run a web site that requires a login to proceed, the system can track a user using a session. To accomplish this tracking, the session version of the `Security` tag is used. In the first transaction (usually a `LoginSubmit` request), a login and password are supplied using the login version of the `Security` tag. In the response, a `SessionID` tag can be retrieved by the system parsing the response. This session ID can be used instead of login information in subsequent transactions' `Security` tags using the session version of the tag.

Note: The session ID expires if no transactions use that session ID after an amount of time determined by the **IDMS-XML Session Lifetime In Minutes** control maintenance record.

Error Handling and the `StatusResult` Tag

When valid XML is submitted to the system, but an error is encountered by the system, the requested transaction is aborted. The response tag's primary information is contained in the `StatusResult` tag, which indicates that the transaction failed, and provides a list of the errors encountered. These errors are usually due to problems in the request XML. Problems such as invalid login/password errors fall into this category.

If invalid XML is submitted to the system, the XML never reaches the Eclipse system, but is caught by the Web Server. In this case, no Web Integration is returned; the transaction fails at the Web Server level, which returns an error code indicating where in the XML the parser ran into an error. For example, tags that are not closed properly return an error.

Transaction Set Reference

This section provides detailed descriptions and explanations of each of the transactions that the Eclipse Web Integration Interface offers. Included in each transaction description is an explanation of the transaction's use and purpose, an explanation of each of the transaction's fields, and an example XML request and XML response for the transaction to provide illustration of its use.

These examples are meant to be used as a reference and expand on the information that is defined in the DTD set located at:

<http://www.eclipseinc.com/dtd/IDMS-XML.dtd>

A Note On Requirements

The field definitions in the tables included in this document indicates if they are required. Look for the *(Required)* indicator at the beginning for the description. If a tag is marked as not being required, but one of its child tags is marked as being required, then both the parent (non-required) and the child tag must be used if the child tag is going to be used.

AccountHistoryInquiry

The following information is general information about the Account History Inquiry transaction:

General

Purpose	This transaction is used to retrieve data about an entity's past orders, payments, and any other account balance-affecting items
Request/Response	Request
Corresponding Transaction Tag	AccountHistoryInquiryResponse
Secure Transaction?	Yes
Security Details	Account information only returns if the requesting contact is both related to the target entity and is also marked as a "Superuser."

Field Summary

Security (Required) The standard Security tag. It can contain either a Login tag or a Session ID tag.

- **Login*** (Required) For the login type of Security tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to Login tag. You can use a pre-assigned session ID may be used.

EntityID The EntityID for the account being queried. If this is omitted, then the requesting user's entity is used.

PostDateRange This tag can be used to limit the query to a specific date range, returning only items posted to the account in this range.

- **StartDate** (Required) Return only orders after this date. Defaults to 30 days prior to the date of the request.
 - **Date** (Required) The current date.
- **EndDate** (Required) Return only orders before this date. Defaults to date of request.
 - **Date** (Required) The current date.

SearchString A search string may include to further narrow the orders returned. The search is performed, in turn, on the internal AccountRegisterID (e.g. C12345678=), and, if the item being searched is an order, the Customer PO defined when the order was created, and the customer release number.

* Either the Login or SessionID tag is required.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <AccountHistoryInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
  </AccountHistoryInquiry>
</IDMS-XML>
```



```
</Security>
<EntityID>1948</EntityID>
<PostDateRange>
  <StartDate>
    <Date>1/1/2003</Date>
  </StartDate>
  <EndDate>
    <Date>1/10/2003</Date>
  </EndDate>
</PostDateRange>
</AccountHistoryInquiry>
</IDMS-XML>
```

AccountHistoryInquiryResponse

General

Purpose	This transaction is used to retrieve data about an entity's past orders, payments, and any other account balance-affecting items
Request/Response	Response
Corresponding Transaction Tag	AccountHistoryInquiry
Secure Transaction?	Yes
Security Details	Account information only returns if the requesting contact is both related to the target entity and is also marked as a "Superuser"

Field Summary

SessionID The assigned session ID.

AccountHistoryItemList The list of items queried is returned in this tag.

- **AccountHistoryItem** (Required) One or more instance of this tag describes each of the orders queried.
 - **AccountRegisterID** (Required) The internal Eclipse reference of this transaction. This string is an ID followed by a period (.), followed by an invoice number, right-justified to three digits with leading zeroes. The ID may be any kind of ID the system stores, such as an order ID (S1234567.002 – OrderID.InvoiceNumber) or cash receipt ID (C12345678.001 – CashReceiptID.InvoiceNumber)
 - **Order ID** The order ID for this item, such as S1234567.
 - **Generation** The generation ID indicating the part of an order ID for this item, such as .002. This is only included if this item is an order.
 - **InvoiceNumber** (Required) The invoice number for this item. The generation ID and the InvoiceNumber both serve as identifiers into part of an order, but there is always be an InvoiceNumber, regardless of what type of item this is.
 - **OrderStatus** The status of the order as defined in the SOE.STATUS control record, Attribute 1.
 - **(Attributes)** The following are the attributes for this tag.
 - **Code** (Required) The order status code as defined in the SOE.STATUS control record, Attribute 2.
 - **PrintStatus** The status of the order.
 - **CustomerPO** The customer purchase order for this order, if any.
 - **CustomerReleaseNumber** The customer release number for this order, if any.
 - **Description** (Required) A brief description of this item, such as the customer PO or check number.
 - **Branch ID** (Required) This item's branch number.
 - **PostDate** (Required) This item's post date.
 - **Date** (Required) The current date.
 - **ShipDate** (Required) The order's shipping date. This is only included for open orders and bids.

- **Date**(Required) The actual date.
 - **ShippingInformation** ...Information about shipping details.
 - **EntityName**(Required) The name of the entity to which the order is being shipped.
 - **ShipmentList** ..Shipping IDs / Tracking numbers are given in this list.
 - **Shipment**(Required) The shipment data is given in one or more of these tags.
 - **Shipping ID**.....(Required) The shipping ID / tracking number.
 - **Courier**(Required) The courier for this shipping ID / tracking number.
 - **Address**.....(Required) The shipping address is defined using this tag.
 - **StreetLineOne**(Required) First line of the street address.
 - **StreetLineTwo**.....(Required) Second line of the street address.
 - **City**(Required) The city of the address.
 - **State**(Required) The state of the address.
 - **PostalCode**.....(Required) The ZIP code or postal code of the address.
 - **Country**(Required) The country of the address.
 - **Ship Via**(Required) The shipment method is given using this tag.
 - **ShipVialID**(Required) The internal Eclipse ID of this ship via method.
 - **Description**Additional description of this ship via method.
 - **Instructions**.....(Required) Any instructions for the shipment.
 - **Age**.....If the item is an invoiced order, this is the age of the invoice as defined in the **A/R Aging Bucket Names** control maintenance record. The 6-Column-Display from that control maintenance record is used.
 - **Discount**.....Discount information, if any.
 - **ROEDiscount**The customer's automatic return order entry (ROE) discount.
 - **CashDiscount**Any cash discount made available by these terms.
 - **Amount**.....(Required) The amount this item affects the entity's balance.
 - **Balance**(Required) The balance after this items is applied.
- StatusResult**(Required) This tag describes the status of the response side of this transaction.
 - **(Attributes)**.....The following are the attributes for this tag.
 - **Success**.....(Required) Was the transaction successful? Valid choices: yes or no.
 - **Description**(Required) Free-form text field describing the status.
 - **ErrorMessageList***A list of any errors encountered in the transaction.
 - **ErrorMessage**(Required) Description of specific errors encountered given in one or more of these tags.

* ErrorMessageList is required, if there are any errors, such as when Success is No.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <AccountHistoryInquiryResponse>
    <SessionID>J1354801536</SessionID>
    <AccountHistoryItemList>
      <AccountHistoryItem>
        <AccountRegisterID>S1389646.001</AccountRegisterID>
        <OrderID>S1389646</OrderID>
        <GenerationID>1</GenerationID>
      </AccountHistoryItem>
    </AccountHistoryItemList>
  </AccountHistoryInquiryResponse>
</IDMS-XML>
```

```

    <InvoiceNumber>1</InvoiceNumber>
    <Description>PO# 119583793</Description>
    <BranchID>1</BranchID>
    <PostDate>
      <Date>01/10/2003</Date>
    </PostDate>
    <Age>91-120</Age>
    <Amount>0.00</Amount>
    <Balance>0.00</Balance>
  </AccountHistoryItem>
  <AccountHistoryItem>
    <AccountRegisterID>S1390103.001</AccountRegisterID>
    <OrderID>S1390103</OrderID>
    <GenerationID>1</GenerationID>
    <InvoiceNumber>1</InvoiceNumber>
    <Description>PO# </Description>
    <BranchID>1</BranchID>
    <PostDate>
      <Date>01/08/2003</Date>
    </PostDate>
    <Age>Over120</Age>
    <Amount>0.00</Amount>
    <Balance>0.00</Balance>
  </AccountHistoryItem>
  <AccountHistoryItem>
    <AccountRegisterID>S1389409.001</AccountRegisterID>
    <OrderID>S1389409</OrderID>
    <GenerationID>1</GenerationID>
    <InvoiceNumber>1</InvoiceNumber>
    <Description>PO# </Description>
    <BranchID>1</BranchID>
    <PostDate>
      <Date>01/03/2003</Date>
    </PostDate>
    <Age>Over120</Age>
    <Amount>0.00</Amount>
    <Balance>0.00</Balance>
  </AccountHistoryItem>
</AccountHistoryItemList>
<StatusResult Success="Yes">
  <Description>Order History Information retrieved
successfully.</Description>
</StatusResult>
</AccountHistoryInquiryResponse>
</IDMS-XML>

```

AccountInquiry

General

Purpose	This inquiry requests detailed financial information about an entity.
Request/Response	Request
Corresponding Transaction Tag	AccountInquiryResponse
Secure Transaction?	Yes
Security Details	Account information only returns if the requesting contact is both related to the target entity and is also marked as a "Superuser"

Field Summary

Security (Required) This is the standard `Security` tag, which can contain either a `Login` tag or a `SessionID` tag.

- **Login*** (Required) For the login type of `Security` tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to `Login` tag. You can use a pre-assigned session ID may be used.

EntityID The entity ID for the account being queried. If this is omitted, then the requesting user's entity is used.

AsOfDate This tag can be specified in order to get a past account balance or relevant financial information for the past time period. Because this transaction must calculate account balance based on every credit and debit ever entered for this entity, there is no option to specify a start date. The system always uses the first day the entity was created. If `AsOfDate` is not passed in, the system uses the current date.

- **Date** (Required) The `AsOfDate` is contained in this tag.

SearchString A search string may be included to further narrow down the ordered returned. The search is performed on the internal `AccountRegisterID`, such as C1234567. If the item being search is an order, then the customer PO defined when the order was created and the customer release number are also searched.

* Either the `Login` or `SessionID` tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <AccountInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
```

```
<EntityID>1948</EntityID>  
</AccountInquiry>  
</IDMS-XML>
```

AccountInquiryResponse

General

Purpose	This inquiry returns detailed financial information about an entity. It returns future, current and aged balances with totals. It also returns month and year to date sales, available credit limit, last payment, terms etc.
Request/Response	Response
Corresponding Transaction Tag	AccountInquiry
Secure Transaction?	Yes
Security Details	Account information only returns if the requesting contact is both related to the target entity and is also marked as a "Superuser"

Field Summary

SessionID The assigned session ID.

AccountInquirySummary (Required) The financial summary of this entity is returned in this tag.

- **EntityStartDate** (Required) The day this entity was created in the system.
- **AsOfDate** (Required) The AsOfDate that was used to determine the results of the financial information returned.
- **Future** (Required) The part of your balance that is due, that has not yet appeared on a statement.
- **Current** (Required) The part of the balance that has been billed and is due in the current period.
- **Thirty** (Required) The part of the balance that is overdue, in this case 31-60 days.
- **Sixty** (Required) The part of the balance that is overdue, in this case 61-90 days.
- **Ninety** (Required) The part of the balance that is overdue, in this case 91-120 days.
- **OneTwenty** (Required) The part of the balance that is overdue, in this case over 120 days.
- **ARTotal** (Required) Your total balance due.
- **ARDeposits** (Required) The total of all deposits you have made against open orders.
- **AROrders** (Required) The dollar value of material that has been ordered but has not yet been shipped to you.
- **MTDSales** (Required) Month-to-date sales. Your total sales so far in the current month.
- **YTDSales** (Required) Year-to-date sales. Your total sales so far in the current year.
- **SixMonthAverage** (Required) Your average balance due over the last 6 months.
- **SixMonthHigh** (Required) The highest total balance due over the last 6 months, at a single point.
- **PaymentDays** (Required) This is the average number of days it takes you to pay your balance.
- **ARTerms** (Required) Your payment terms for your account.
- **ARCreditLimit** (Required) The total credit available for your account.
- **ARCreditAvail** (Required) What is available on your credit; the difference between your limit and the total balance due.
- **LastSale** (Required) Last Sale Information

- **Amount**.....(Required) Shows the amount of the last sale to your account.
- **Date**(Required) Shows the date of the last sale to your account.
- **LastPayment**.....(Required) Last Payment Information
 - **Amount**.....(Required) Shows the amount of the last payment made on your account.
 - **Date**(Required) Shows the date of the last payment made on your account.
- AccountInquiryItemList** The list of items queried is returned in this tag.
 - **AccountInquiryItem**(Required) One or more instance of this tags describes each of the orders queried.
 - **AccountRegisterID**.....(Required) The internal Eclipse reference of this transaction. This string is an ID followed by a period (.) followed by an invoice number, right-justified to 3 digits with leading zeroes. The ID may be an order ID if this item is an order, or it may be another type of ID, such as an order (S1234567.002) or a cash receipt (C1234567.001).
 - **Branch ID**(Required) The item's branch number.
 - **Transaction**.....(Required) Transaction information.
 - **Amount**(Required) The amount of the transaction.
 - **Date**(Required) The posting date of the transaction.
 - **Payment**(Required) Payment information.
 - **Amount**(Required) The amount applied to the original transaction.
 - **Date**(Required) The date the payment was made.
 - **Balance**(Required) The remaining balance for the transaction.
 - **Age**(Required) The aging category of the transaction.
 - **Success**.....(Required)
 - **Description**(Required) Free-form text field describing the status.
 - **ErrorMessageList***A list of any errors encountered in the transaction.
 - **ErrorMessage**(Required) Description specific errors encountered are given in one or more of these tags.

* ErrorMessageList is required, if there are any errors, such as when Success is No.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <AccountInquiryResponse>
    <SessionID>J1617346764</SessionID>
    <AccountInquirySummary>
      <EntityStartDate>10/05/2001</EntityStartDate>
      <AsOfDate>03/09/2004</AsOfDate>
      <Future>58.59</Future>
      <Current>389.55</Current>
      <Thirty>430.64</Thirty>
      <Sixty>497.80</Sixty>
      <Ninety>774.04</Ninety>
      <OneTwenty>11510.62</OneTwenty>
      <ARTotal>13661.24</ARTotal>
      <ARDeposits>0.00</ARDeposits>
      <AROrders>0.00</AROrders>
      <MTDSales>46.17</MTDSales>
      <YTDSales>795.89</YTDSales>
    </AccountInquirySummary>
  </AccountInquiryResponse>
</IDMS-XML>
```



```

    <SixMonthAverage>0.00</SixMonthAverage>
    <SixMonthHigh>0.00</SixMonthHigh>
    <PaymentDays>0</PaymentDays>
    <ARTerms>NET 10TH PROX</ARTerms>
    <ARCreditLimit>1000.00</ARCreditLimit>
    <ARCreditAvail>-12661.24</ARCreditAvail>
    <LastSale>
      <Amount>58.59</Amount>
      <Date>03/05/04</Date>
    </LastSale>
    <LastPayment>
      <Amount>100.00</Amount>
      <Date>03/08/04</Date>
    </LastPayment>
  </AccountInquirySummary>
  <AccountInquiryItemList>
    <AccountInquiryItem>
      <AccountRegisterID>S3106292.001</AccountRegisterID>
      <BranchID>4</BranchID>
      <Transaction>
        <Amount>11610.62</Amount>
        <Date>10/21/03</Date>
      </Transaction>
      <Payment>
        <Amount>100.00</Amount>
        <Date>03/08/04</Date>
      </Payment>
      <Balance>11510.62</Balance>
      <Age>Over120</Age>
    </AccountInquiryItem>
    <AccountInquiryItem>
      <AccountRegisterID>S3106289.001</AccountRegisterID>
      <BranchID>4</BranchID>
      <Transaction>
        <Amount>774.04</Amount>
        <Date>11/05/03</Date>
      </Transaction>
      <Payment>
        <Amount>0.00</Amount>
        <Date></Date>
      </Payment>
      <Balance>774.04</Balance>
      <Age>91-120</Age>
    </AccountInquiryItem>
  </AccountInquiryItemList>
  <StatusResult Success="Yes">
    <Description>Account Inquiry Information retrieved
successfully.</Description>
  </StatusResult>
</AccountInquiryResponse>
</IDMS-XML>

```

BannerAdInquiry

General

Purpose	This transaction is used to query the system for a specific or randomly-generated Banner Ad set up in Eclipse.
Request/Response	Request
Corresponding Transaction Tag	BannerAdInquiryResponse
Secure Transaction?	Yes
Security Details	Data only returns if the requestor's login data is valid.

Field Summary

Security (Required) The standard **Security** tag. It can contain either a **Login** tag or a **SessionID** tag.

- **Login*** (Required) For the login type of **Security** tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID** (Required) Alternative to **Login** tag. You can use a pre-assigned session ID may be used.

BannerAdID This is the internal Eclipse ID that specifies which Banner Ad is being queried. If this parameter is not specified, the system returns a randomly generated (according to the weighting criteria set in the system) that matches the **Type** set in the following **BannerAdType** parameter.

BannerAdType This is the type (size) of Banner Ad requested: FULL, HALF, INTRO.

* One or the other of the **Login** and **SessionID** tags is required.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <BannerAdInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
    <BannerAdID>DEWALT</BannerAdID>
  </BannerAdInquiry>
</IDMS-XML>
```

BannerAdInquiryResponse

General

Purpose	This transaction is used to serve the BannerAd element which contains information pertaining to an Eclipse Banner Ad
Request/Response	Response
Corresponding Transaction Tag	BannerAdInquiryResponse
Secure Transaction?	Yes
Security Details	Data only returns if the requestor's login data is valid.

Field Summary

SessionID The assigned session ID.

BannerAd This is the BannerAd record tag.

→ **BannerAdID** *(Required)* This is the internal Eclipse ID that specifies which Banner Ad is being queried.

→ **Description** The free-form description of this Banner Ad.

→ **BannerAdType** *(Required)* Type of Banner Ad, such as size. Possible values are FULL, HALF, and INTRO.

BannerAdImageURL *(Required)* The link to the Banner Ad image to be displayed.

→ **URL** *(Required)* The actual URL path to the image.

→ **BannerAdTarget** *(Required)* The value of the Banner Ad target corresponding to the Type attribute.

→ **(Attributes)** The following are the attributes for this tag.

→ **Type** *(Required)* The type of target for this Banner Ad such as a link, product, drill, etc.

StatusResult *(Required)* This tag describes the status of the response side of this transaction.

→ **(Attributes)** The following are the attributes for this tag.

→ **Success** *(Required)* Was the transaction successful? Valid choices: yes or no.

→ **Description** *(Required)* Free-form text field describing the status.

→ **ErrorMessageList** A list of any errors encountered in the transaction.

→ **ErrorMessage** *(Required)* Description specific errors encountered are given in one or more of these tags.

** ErrorMessageList is required, however, if there are any errors, i.e., when Success is "No"

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <BannerAdInquiryResponse>
    <SessionID>J1732824721</SessionID>
    <BannerAd>
      <BannerAdID>DEWALT</BannerAdID>
      <Description>Dewalt Manufacturer Ad</Description>
```

```
<BannerAdType>FULL</BannerAdType>
<BannerAdImageURL>
  <URL>http://www.dewalt.com/us/images/nav/hd_logo3.gif</URL>
</BannerAdImageURL>
<BannerAdTarget Type="URL">http://www.dewalt.com</BannerAdTarget>
</BannerAd>
<StatusResult Success="Yes">
  <Description>Banner Ad information retrieved successfully.</Description>
</StatusResult>
</BannerAdInquiryResponse>
</IDMS-XML>
```

BranchListInquiry

General

Purpose	This transaction is used to request information about the various branches that service a customer
Request/Response	Request
Corresponding Transaction Tag	BranchListInquiryResponse
Secure Transaction?	Yes
Security Details	Branch information only returns for branches visible to the requesting contact's entities.

Field Summary

Security (Required) This is the standard Security tag, which can contain either a Login tag or a Session tag.

- **Login*** (Required) For the login type of Security tag.
 - **LoginID** (Required) This is the password for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **Session ID*** (Required) Alternative to Login tag, a presession ID may be used.

* One or the other of the Login and SessionID tags is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <BranchListInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
  </BranchListInquiry>
</IDMS-XML>
```

BranchListInquiryResponse

General

Purpose	This transaction is used to request information about the various branches that service a customer
Request/Response	Response
Corresponding Transaction Tag	BranchListInquiry
Secure Transaction?	Yes
Security Details	Branch information only returns for branches visible to the requesting contact's entities.

Field Summary

Session ID..... The assigned session ID.

BranchList..... The list of branches is conveyed using this tag, assuming there are any and no errors were encountered.

→ **Branch** (Required) The data about the returned branches is given using one or more of these tags.

→ **BranchID** (Required) The internal Eclipse ID for this branch.

→ **BranchName** ... (Required) The name for this branch.

→ **Address**..... The name for this branch.

→ **StreetLineOne** (Required) First line of the street address.

→ **StreetLineTwo**..... (Required) Second line of the street address.

→ **City** (Required) The city of the address.

→ **State** (Required) The state of the address.

→ **PostalCode** (Required) The ZIP code or postal code of the address.

→ **Country** (Required) The country of the address.

→ **Entity** The branch's detailed Entity record. See EntityInquiryResponse Field Summary for more information about this tag.

StatusResult (Required) This tag describes the status of the response side of this transaction.

→ **(Attributes)**..... The following are the attributes for this tag.

→ **Success**..... (Required) Was the transaction successful? Valid choices: yes or no.

→ **Description** (Required) Free-dorm text field describing the status.

→ **ErrorMessageList**** A list of any errors encountered in the transaction.

→ **ErrorMessage** (Required) Description specific errors encountered are given in one or more of these tags.

* Address tag is only required if UseEntityAddress tag is set to "No"

** ErrorMessageList is required, however, if there are any errors, i.e., when Success is "No"

Example XML

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <BranchListInquiryResponse>
    <SessionID>J1732824721</SessionID>
    <BranchList>
      <Branch>
        <BranchID>1</BranchID>
        <BranchName>Branch 1</BranchName>
        <Address>
          <StreetLineOne>5340 Airport Boulevard</StreetLineOne>
          <StreetLineTwo></StreetLineTwo>
          <City>BOULDER</City>
          <State>CO</State>
          <PostalCode>80301-2312</PostalCode>
          <Country>USA</Country>
        </Address>
      </Branch>
      <Branch>
        <BranchID>10</BranchID>
        <BranchName>BR10</BranchName>
        <Address>
          <StreetLineOne>123 Test St.</StreetLineOne>
          <StreetLineTwo></StreetLineTwo>
          <City>BOULDER</City>
          <State>CO</State>
          <PostalCode>80301</PostalCode>
          <Country></Country>
        </Address>
      </Branch>
      <Branch>
        <BranchID>1000</BranchID>
        <BranchName>DENVER 1000</BranchName>
        <Address>
          <StreetLineOne>1664 S. Idalia Street</StreetLineOne>
          <StreetLineTwo></StreetLineTwo>
          <City>DENVER</City>
          <State>CO</State>
          <PostalCode>80246</PostalCode>
          <Country></Country>
        </Address>
      </Branch>
      <Branch>
        <BranchID>11</BranchID>
        <BranchName>ROBINS</BranchName>
        <Address>
          <StreetLineOne>5340 Airport Boulevard</StreetLineOne>
          <StreetLineTwo></StreetLineTwo>
          <City>BOULDER</City>
          <State>CO</State>
          <PostalCode>80301-2312</PostalCode>
          <Country>USA</Country>
        </Address>
      </Branch>
      <Branch>
        <BranchID>12</BranchID>
        <BranchName>ROBINS1</BranchName>
        <Address>
          <StreetLineOne>1909 26th St.</StreetLineOne>
          <StreetLineTwo>ADDRESS LINE 2</StreetLineTwo>
          <City>BOULDER</City>
          <State>CO</State>
          <PostalCode>80302-5701</PostalCode>
          <Country>US</Country>
        </Address>
      </Branch>
    </BranchList>
    <StatusResult Success="Yes">
      <Description>Branch list retrieved successfully.</Description>
    </StatusResult>
  </BranchListInquiryResponse>
</IDMS-XML>

```

```
</StatusResult>  
</BranchListInquiryResponse>  
</IDMS-XML>
```


ContactInquiry

General

Purpose	This transaction is used to request information about a contact from the system
Request/Response	Request
Corresponding Transaction Tag	ContactInquiryResponse
Secure Transaction?	Yes
Security Details	Contact information only returns if requesting contact is related via entity to the requested contact

Field Summary

Security (Required) This is the standard Security tag, which can contain either a Login tag or a SessionID tag.

Login* (Required) For the login type of Security tag.

→ **LoginID** (Required) This is the login for the requesting user.

→ **Password** (Required) This is the password for the requesting user.

SessionID* (Required) Alternative to Login tag. You can use a pre-assigned session ID may be used.

ContactID (Required) This is the internal Eclipse ID that specifies which contact is being queried.

IncludeCreditCardData Instructs the processor to include CreditCardList in response.

→ **CreditCardType** (Required) The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.

→ **CreditCardNumber** (Required) The credit card number.

→ **CreditCardSecurityCode** (Required) The credit card verification security code.

→ **ExpirationDate** (Required) The credit card's expiration date.

→ **CardholderName** (Required) The card-holder's name.

→ **BillingStreetAddress**... (Required) The card-holder's billing street address.

→ **BillingZipCode** (Required) The card-holder's billing street address's zip code.

* Either the Login or SessionID tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ContactInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
    <ContactID>83</ContactID>
  </ContactInquiry>
</IDMS-XML>
```

```
</ContactInquiry>  
</IDMS-XML>
```

ContactInquiryResponse

General

Purpose	This transaction is used to return information about a contact from the system
Request/Response	Response
Corresponding Transaction Tag	ContactInquiry
Secure Transaction?	Yes
Security Details	Contact information only returns if requesting contact is related via entity to the requested contact

Field Summary

SessionID The assigned sessionID.

Contact (Required) This is the `Contact` record tag.

- **ContactID** (Required) This is the internal Eclipse ID that specifies which contact is being queried.
 - **(Attributes)** The following are the attributes for this tag.
 - **New** Is this a new contract? Valid choices: yes or no.
- **EntityID** (Required) The entity to which the contact is attached.
- **ContactName** (Required) The contact's name is defined using this tag.
 - **FirstName** (Required) The contact's first name.
 - **MiddleName** The contact's middle name.
 - **LastName** (Required) The contact's last name.
 - **Salutation** The contact's title, such as Mr. or Mrs.
- **Classification** Contact's valid SFA Classification as defined by **Valid SFA Contact Classifications** control maintenance record.
- **UseEntityAddress** (Required) Does this contact get its address from the entity defined above? Valid choices: yes or no.
- **Address*** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city for the address.
 - **State** (Required) The state for the address.
 - **PostalCode** (Required) The ZIP or postal code for the address.
 - **Country** (Required) The country for the address.
- **TelephoneList** (Required) The list of telephone numbers for the entity.
 - **Telephone** (Required) Telephone data is defined using one or more instances of this tag.
 - **Number** (Required) The telephone number. Format as needed.
 - **Code** The telephone code as defined by the **Valid Phone Codes** control maintenance record.
 - **Description** Free-form text field describing telephone number.

- **Title** Title for the contact.
- **EmailAddressList** List of email addresses.
 - **EmailAddress** *(Required)* Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref..** Does user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
- **WebAddress** Web URL for contact.
- **IsSuperuser** Is this contact a Superuser? Valid choices: yes or no.
- **Login** Login information.
 - **LoginID** *(Required)* The login for the user.
 - **Password** *(Required)* The password for the user.
- **CreditCardList** Credit card data for this entity is passed through this tag.
 - **CreditCard** *(Required)* One or more of these tags present the entity's Credit Card data.
 - **CreditCardType** *(Required)* The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** *(Required)* The credit card number.
 - **ExpirationDate** *(Required)* The credit card's expiration date.
 - **Date** *(Required)* The date is placed in this tag.
 - **CardHolder** *(Required)* The card-holder's name.
 - **StreetAddress** *(Required)* The credit card holder's billing address's street address.
 - **PostalCode** *(Required)* The credit card holder's billing address's ZIP or postal code.
 - **AuthType** .. *(Required)* The authorization method for the credit card as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountId** *(Required)* The GUID generated by Element Payment Services that identifies the credit card on Element's server.
- StatusResult** *(Required)* This tag describes the status of the response side of this transaction.
 - **(Attributes)** The following are the attributes for using this tag.
 - **Success** *(Required)* Was the transaction successful? Valid choices: yes or no.
 - **Description** *(Required)* Free-form text field describing the status.
 - **ErrorMessageList**** A list of errors encountered in the transaction.
 - **ErrorMessage** *(Required)* Description specific errors encountered are given in one or more of these tags.

* Address tag is only required if `UseEntityAddress` tag is set to No

** `ErrorMessageList` is required, if there are any errors, such as when `Success` is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
```

```

<ContactInquiryResponse>
  <SessionID>J1814157378</SessionID>
  <Contact>
    <ContactID>20572</ContactID>
    <EntityID>1948</EntityID>
    <ContactName>
      <FirstName>John</FirstName>
      <MiddleName>L</MiddleName>
      <LastName>Doe</LastName>
      <Salutation>Mr</Salutation>
    </ContactName>
    <Classification>Eclipse Employee</Classification>
    <UseEntityAddress>No</UseEntityAddress>
    <Address>
      <StreetLineOne>7355 Poston Way</StreetLineOne>
      <StreetLineTwo></StreetLineTwo>
      <City>BOULDER</City>
      <State>CO</State>
      <PostalCode>80301-2312</PostalCode>
      <Country></Country>
    </Address>
    <TelephoneList>
      <Telephone>
        <Number>303-938-8801 x1136</Number>
        <Code>Work</Code>
        <Description>Direct to Cubicle</Description>
      </Telephone>
      <Telephone>
        <Number>303-938-8921</Number>
        <Code>Fax</Code>
        <Description>Fax Machine at work</Description>
      </Telephone>
      <Telephone>
        <Number>303-475-1032</Number>
        <Code>Cell</Code>
        <Description>Cell Phone</Description>
      </Telephone>
    </TelephoneList>
    <Title>SW Engineer 1</Title>
    <EmailAddressList>
      <EmailAddress Type="Business"
HTMLPref="HTML">john_doe@activant.com</EmailAddress>
      <EmailAddress Type="Extra"
HTMLPref="Plain">johnd@activant.com</EmailAddress>
    </EmailAddressList>
    <WebAddress>http://http://distribution.activant.com/</WebAddress>
    <IsSuperuser>Yes</IsSuperuser>
    <Login>
      <LoginID>ECLIPSE</LoginID>
      <Password>TEST</Password>
    </Login>
  </Contact>
  <StatusResult Success="Yes">
    <Description>Contact Information retrieved
successfully.</Description>
  </StatusResult>
</ContactInquiryResponse>
</IDMS-XML>

```

ContactNewSubmit

General

Purpose	This transaction is used to create new Contacts in the system
Request/Response	Request
Corresponding Transaction Tag	ContactNewSubmitResponse
Secure Transaction?	Yes
Security Details	Contact information only enters into the system if the requesting contact is marked as a "Superuser" in "Contact WOE Parameters"

Field Summary

Security (Required) This is that standard *Security* tag, which can contain either a *Login* tag or a *SessionID* tag.

- **Login*** (Required) For the login type of *Security* tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to *Login* tag. You can use a pre-assigned session ID may be used.

Contact This is the *Contact* tag.

- **ContactID** (Required) This is required, but since this is a new contact, it remains blank. See Attribute "New."
- **(Attributes)** (Required) The following are the attributes for this tag.
 - **New** (Required) Is this a new contact? **Note:** This attribute must be set to "yes" for this transaction.
- **EntityID** (Required) The entity to attach the new contact to. This entity must be attached to the requesting user's entity.
- **ContactName** (Required) The new contact's name is defined using this tag.
 - **FirstName** (Required) The new contact's first name.
 - **MiddleName** The new contact's middle name.
 - **LastName** (Required) The new contact's last name.
 - **Salutation** The new contact's title, such as Mr. or Mrs.
- **Classification** Contact's valid SFA Classification as defined by the **Valid SFA Contact Classifications** control maintenance record.
- **UseEntityAddress** (Required) Should this contact get its address from the entity defined above? Valid choices: yes or no.
- **Address**** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city of the street address.
 - **State** (Required) The state of the street address.
 - **PostalCode** (Required) The ZIP code or postal code.
 - **Country** (Required) The country for the address.

- **TelephoneList**.....(Required) A list of telephone numbers.
 - **Telephone**(Required) Telephone data is defined using one or more instances of this tag.
 - **Number**(Required) The telephone number. Format as needed.
 - **Code**.....The telephone code as defined by the **Valid Phone Codes** control maintenance record.
 - **Description**Free-form text field describing telephone number.
- **Title**.....Title for the contact.
- **EmailAddressList**.....List of email addresses.
 - **EmailAddress**(Required) Email address data is defined using one or more instances of this tag.
 - **(Attributes)**The following are the attributes for this tag.
 - **Type**Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref**..Does user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
- **WebAddress**Web URL for contact.
- **IsSuperuser**Is this contact a Superuser? Valid choices: yes or no.
- **Login**.....Login information.
 - **LoginID**(Required) The login for the user.
 - **Password**(Required) The password for the user.
- **CreditCardList**Credit card data for this entity is passed through this tag.
 - **CreditCard**.....(Required) One or more of these tags presents the entity's credit card data.
 - **CreditCardType**.....(Required) The credit card type as defined in the CREDIT.CARD.DEFINITIONS, Attribute 1.
 - **CreditCardNumber**(Required) The credit card's expiration date.
 - **ExpirationDate**(Required) The date the credit card is no longer valid.
 - **Date**(Required) The date is placed in this tag.
 - **CardHolder**(Required) The card holder's name.
 - **StreetAddress**(Required) The credit card holder's billing address.
 - **PostalCode**(Required) The credit card holder's billing address's ZIP or postal code.
 - **AuthType**The authorization method as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountID**.....(Required) The GUID generated by Element Payment Services that identifies the credit card on Element's server.

* Either the `Login` or `SessionID` tag is required

** Address tag is only required if `UseEntityAddress` tag is set to "No"

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ContactNewSubmit>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
```

```

        <Password>TEST</Password>
    </Login>
</Security>
<Contact>
    <ContactID New="Yes"></ContactID>
    <EntityID>1948</EntityID>
    <ContactName>
        <FirstName>John</FirstName>
        <MiddleName>L</MiddleName>
        <LastName>Doe</LastName>
        <Salutation>Mr</Salutation>
    </ContactName>
    <Classification>Eclipse Employee</Classification>
    <UseEntityAddress>No</UseEntityAddress>
    <Address>
        <StreetLineOne>1946 Fairway Dr</StreetLineOne>
        <StreetLineTwo></StreetLineTwo>
        <City>BOULDER</City>
        <State>CO</State>
        <PostalCode>80303</PostalCode>
        <Country></Country>
    </Address>
    <TelephoneList>
        <Telephone>
            <Number>303-938-8801 x1136</Number>
            <Code>Work</Code>
            <Description>Direct</Description>
        </Telephone>
        <Telephone>
            <Number>303-938-8921</Number>
            <Code>Fax</Code>
            <Description>Work Fax Machine </Description>
        </Telephone>
    </TelephoneList>
    <Title>SW Engineer 1</Title>
    <EmailAddressList>
        <EmailAddress
HTMLPref="HTML">john_doe@activant.com</EmailAddress>
        <EmailAddress Type="Extra">johnd@activant.com</EmailAddress>
    </EmailAddressList>
    <WebAddress>http://http://distribution.activant.com/</WebAddress>
    <IsSuperuser>Yes</IsSuperuser>
    <Login>
        <LoginID>DTESTLogin</LoginID>
        <Password>P-A-S-S-WORD</Password>
    </Login>
</Contact>
</ContactNewSubmit>
</IDMS-XML>

```


ContactNewSubmitResponse

General

Purpose	This transaction is used to confirm a new Contact created in the system
Request/Response	Response
Corresponding Transaction Tag	ContactNewSubmit
Secure Transaction?	Yes
Security Details	Contact information only enters into the system if the requesting contact is marked as a "Superuser" in "Contact WOE Parameters"

Field Summary

SessionID The assigned session ID.

Contact (Required) This is the **Contact** tag.

→ **ContactID** (Required) This is the newly generated ID for the new contact.

→ **(Attributes)** Below are the attributes for this tag.

→ **New** (Required) Is this a new contact? This attribute is omitted in this side of the transaction.

→ **EntityID** (Required) The entity to which new contact is attached.

→ **ContactName** (Required) The contact's name.

→ **FirstName** (Required) The contact's first name.

→ **MiddleName** The contact's middle name.

→ **LastName** (Required) The contact's last name.

→ **Salutation** The contact's title, such as Mr. or Mrs.

→ **Classification** Contact's valid SFA classification as defined by the **Valid SFA Contact Classifications** control maintenance record.

→ **UseEntityAddress** (Required) Does this contact get its address from the entity defined above?
Valid choices: yes or no.

→ **Address*** (Required) The address is defined using this tag.

→ **StreetLineOne** (Required) First line of the street address.

→ **StreetLineTwo** (Required) Second line of the street address.

→ **City** (Required) The city of the street address.

→ **State** (Required) The state of the street address.

→ **PostalCode** (Required) The ZIP code or postal code.

→ **Country** (Required) The country for the address.

→ **TelephoneList** (Required) A list of telephone numbers.

→ **Telephone** (Required) Telephone data is defined using one or more instances of this tag.

→ **Number** (Required) The telephone number. Format as needed.

→ **Code** The telephone code as defined by the **Valid Phone Codes** control maintenance record.

→ **Description** Free-form text field describing telephone number.

→ **Title** Title for the contact.

- **EmailAddressList**.....List of email addresses.
 - **EmailAddress** *(Required)* Email address data is defined using one or more instances of this tag.
 - **(Attributes)**The following are the attributes for this tag.
 - **Type**Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref**..Does user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
- **WebAddress**Web URL for contact.
- **IsSuperuser**Is this contact a Superuser? Valid choices: yes or no.
- **Login**.....Login information.
 - **LoginID** *(Required)* The login for the user.
 - **Password** *(Required)* The password for the user.
- **CreditCardList**Credit card data for this entity is passed through this tag.
 - **CreditCard**..... *(Required)* One or more of these tags presents the entity's credit card data.
 - **CreditCardType**..... *(Required)* The credit card type as defined in the CREDIT.CARD.DEFINITIONS, Attribute 1.
 - **CreditCardNumber** *(Required)* The credit card's expiration date.
 - **ExpirationDate** *(Required)* The date the credit card is no longer valid.
 - **Date**..... *(Required)* The date is placed in this tag.
 - **CardHolder** *(Required)* The card holder's name.
 - **StreetAddress** *(Required)* The credit card holder's billing address.
 - **PostalCode** *(Required)* The credit card holder's billing address's ZIP or postal code.
 - **AuthType**The authorization method as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountId** *(Required)* The GUID generated by Element Payment Services that identifies the credit card on Element's server.

StatusResult *(Required)* This tag describes the status of the response side of this transaction.

 - **(Attributes)**.....The following are the attributes for using this tag.
 - **Success**..... *(Required)* Was the transaction successful? Valid choices: yes or no.
 - **Description** *(Required)* Free-form text field describing the status.
 - **ErrorMessageList****A list of errors encountered in the transaction.
 - **ErrorMessage** *(Required)* Description specific errors encountered are given in one or more of these tags.

* Address tag is only required if UseEntityAddress tag is set to No

** ErrorMessageList is required if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ContactNewSubmitResponse>
    <SessionID>J2032464456</SessionID>
    <Contact>
      <ContactID>7261</ContactID>
```

```

<EntityID>1948</EntityID>
<ContactName>
  <FirstName>John</FirstName>
  <MiddleName>L</MiddleName>
  <LastName>Doe</LastName>
  <Salutation>Mr</Salutation>
</ContactName>
<Classification>Eclipse Employee</Classification>
<UseEntityAddress>No</UseEntityAddress>
<Address>
  <StreetLineOne>1946 Fairway Dr</StreetLineOne>
  <StreetLineTwo></StreetLineTwo>
  <City>BOULDER</City>
  <State>CO</State>
  <PostalCode>80303</PostalCode>
  <Country>US</Country>
</Address>
<TelephoneList>
  <Telephone>
    <Number>303-938-8801 x1136</Number>
    <Code>Work</Code>
    <Description>Direct</Description>
  </Telephone>
  <Telephone>
    <Number>303-938-8921</Number>
    <Code>Fax</Code>
    <Description>Work Fax Machine </Description>
  </Telephone>
</TelephoneList>
<Title>SW Engineer 1</Title>
<EmailAddressList>
  <EmailAddress Type=""
HTMLPref="HTML">john_doe@activant.com</EmailAddress>
  <EmailAddress Type="Extra"
HTMLPref="">johnd@activant.com</EmailAddress>
</EmailAddressList>
<WebAddress>http://http://distribution.activant.com/</WebAddress>
<IsSuperuser>Yes</IsSuperuser>
<Login>
  <LoginID>DTESTLogin</LoginID>
  <Password>P-A-S-S-WORD</Password>
</Login>
</Contact>
<StatusResult Success="Yes">
  <Description>Contact information created
successfully.</Description>
</StatusResult>
</ContactNewSubmitResponse>
</IDMS-XML>

```

ContactUpdateSubmit

General

Purpose	This transaction is used to update Contacts in the system
Request/Response	Request
Corresponding Transaction Tag	ContactUpdateSubmitResponse
Secure Transaction?	Yes
Security Details	Contact information only updates in the system if the requesting contact is marked as a "Superuser" in "Contact WOE Parameters" and the requesting contact is related to the target contact

Field Summary

Security (Required) This is the standard **Security** tag which can contain either a **Login** tag or a **Session** tag.

- **Login*** (Required) For the login type of **Security** tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to **Login** tag, a pre-assigned session ID may be used.

Contact (Required) This is the **Contact** tag.

- **ContactID** (Required) The internal Eclipse ID of the contact to be updated.
 - **(Attributes)** The following are the attributes for this tag.
 - **New** Is this a new contact? This attribute is omitted in this transaction.
- **EntityID** (Required) The entity to which the contact is to be attached. This entity must be related to the requesting user's entity.
- **ContactName** (Required) The contact's name is defined using this tag.
 - **FirstName** (Required) The contact's first name.
 - **MiddleName** The contact's middle name.
 - **LastName** (Required) The contact's last name.
 - **Salutation** The contact's title, such as Mr. or Mrs.
- **Classification** Contact's valid SFA Classification as defined by the **Valid SFA Contact Classifications** control maintenance record.
- **UseEntityAddress** (Required) Should this contact get its address from the entity defined above? Valid choices: yes or no.
- **Address**** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** ... (Required) The state for the street address.
 - **PostalCode** (Required) The ZIP code or postal code for the street address.
 - **Country** (Required) The country for the street address.
- **TelephoneList** (Required) A list of telephone number for the entity.

- **Telephone** (Required) Telephone data is define using one or more instances of this tag.
 - **Number** (Required) The telephone number. Format as needed.
 - **Code** Telephone code as defined by the **Valid Phone Codes** control maintenance record.
 - **Description** Free-form text field describing the telephone number.
- **Title** Title for the contact.
- **EmailAddressList** Email addresses.
 - **EmailAddress** (Required) Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type.
 - **HTMLPref** Does user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
- **WebAddress** Web URL for the contact.
- **IsSuperuser** Is this contact a Superuser? Valid choices: yes or no.
- **Login**... Login information.
 - **LoginID** (Required) The login information for the contact.
 - **Password** (Required) The password for the contact's login.
- **CreditCardList** Credit card data for this entity is passed through this tag.
 - **CreditCard** (Required) One or more of these tags presents the entity's credit card data.
 - **CreditCardType** (Required) The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** (Required) The credit card number.
 - **ExpirationDate** (Required) The date the credit card expires.
 - **Date** (Required) The current date.
 - **CardHolder** (Required) The card holder's name.
 - **StreetAddress** (Required) The card holder's billing address associated with the credit card.
 - **PostalCode** (Required) The card holder's billing address ZIP or postal code.
 - **AuthType** The authorization method for the credit card as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountid** (Required) The GUID generated by Element Payment Services that identifies the credit card on Element's server.

Note: If this transaction is submitted with the CreditCardList attribute empty, the system removes all credit cards from the entity on file.

* Either the `Login` or `SessionID` tag is required.

** Address tag is only required if `UseEntityAddress` tag is set to No.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ContactUpdateSubmit>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
```

```

<Contact>
  <ContactID>20572</ContactID>
  <EntityID>1948</EntityID>
  <ContactName>
    <FirstName>John</FirstName>
    <MiddleName>L</MiddleName>
    <LastName>Doe</LastName>
    <Salutation>Mr</Salutation>
  </ContactName>
  <Classification>Eclipse Employee</Classification>
  <UseEntityAddress>No</UseEntityAddress>
  <Address>
    <StreetLineOne>7355 Poston Way</StreetLineOne>
    <StreetLineTwo></StreetLineTwo>
    <City>BOULDER</City>
    <State>CO</State>
    <PostalCode>80301-2312</PostalCode>
    <Country></Country>
  </Address>
  <TelephoneList>
    <Telephone>
      <Number>303-938-8801 x1136</Number>
      <Code>Work</Code>
      <Description>Direct to Cubicle</Description>
    </Telephone>
    <Telephone>
      <Number>303-938-8921</Number>
      <Code>Fax</Code>
      <Description>Fax Machine at work</Description>
    </Telephone>
    <Telephone>
      <Number>303-475-1032</Number>
      <Code>Cell</Code>
      <Description>Cell Phone</Description>
    </Telephone>
  </TelephoneList>
  <Title>SW Engineer 1</Title>
  <EmailAddressList>
    <EmailAddress Type="Business"
HTMLPref="HTML">john_doe@activant.com</EmailAddress>
    <EmailAddress Type="Extra"
HTMLPref="Plain">johnd@activant.com</EmailAddress>
  </EmailAddressList>
  <WebAddress>http://http://distribution.activant.com/</WebAddress>
  <IsSuperuser>Yes</IsSuperuser>
  <Login>
    <LoginID>ECLIPSE</LoginID>
    <Password>TEST</Password>
  </Login>
</Contact>
</ContactUpdateSubmit>
</IDMS-XML>

```

ContactUpdateSubmitResponse

General

Purpose	This transaction is used to confirm that a Contact has been updated in the system
Request/Response	Response
Corresponding Transaction Tag	ContactUpdateSubmit
Secure Transaction?	Yes
Security Details	Contact information only updates in the system if the requesting contact is marked as a "Superuser" in "Contact WOE Parameters" and the requesting contact is related to the target contact

Field Summary

SessionID The assigned session ID.

Contact* (Required) This is the **Contact** tag.

- **ContactID** (Required) The internal EclipseID of the contact that has been updated.
 - **(Attributes)** The following are attributes for this tag.
 - **New** Is this a new contact? This attribute is omitted in this transaction.
- **EntityID** (Required) The entity to which contact is attached.
- **ContactName** (Required) The contact's name.
 - **FirstName** (Required) The contact's first name.
 - **MiddleName** The contact's middle name.
 - **LastName** (Required) The contact's last name.
 - **Salutation** The contact's title, such as Mr. or Mrs.
- **Classification** Contact's valid SFA classification as defined by the **Valid SFA Contact Classifications** control maintenance record.
- **UseEntityAddress** (Required) Does this contact get its address from the entity defined above?
Valid choices: yes or no.
- **Address**** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** ... (Required) The state for the street address.
 - **PostalCode** (Required) The ZIP code or postal code for the street address.
 - **Country** (Required) The country for the street address.
- **TelephoneList** (Required) A list of telephone numbers.
 - **Telephone** (Required) Telephone data is defined using one or more instances of this tag.
 - **Number** (Required) The telephone number. Format as needed.
 - **Code** Telephone code as defined by the **Valid Phone Codes** control maintenance record.
 - **Description** Free-form text field describing telephone number.

- **Title** Title for the contact.
- **EmailAddressList** List of email addresses.
 - **EmailAddress** (Required) Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type as defined in **Valid E-mail Types** control maintenance record.
 - **HTMLPref** Does user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
- **WebAddress** Web URL for contact.
- **IsSuperuser** Is this contact a Superuser? Valid choices: yes or no.
- **Login** Login information.
 - **LoginID** (Required) The login for the user.
 - **Password** (Required) The password for the user's login.
- **CreditCardList** Credit card data for this entity is passed through this tag.
 - **CreditCard** (Required) One or more of these tags present the entity's credit card data.
 - **CreditCardType** (Required) The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** (Required) The credit card number.
 - **ExpirationDate** (Required) The date the credit card is no longer valid.
 - **Date** (Required) The date is placed in this tag.
 - **CardHolder** (Required) The card holder's name.
 - **StreetAddress** (Required) The card holder's billing address associated with the credit card.
 - **PostalCode** (Required) The card holder's billing address ZIP or postal code.
 - **AuthType** The authorization method for the credit card as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountId** (Required) The GUID generated by Element Payment Services that identifies the credit card on Element's server.
- StatusResult** (Required) This tag describes the status of the response side of this transaction.
 - **(Attributes)** The follow are the attributes for this tag.
 - **Success** (Required) Was the transaction successful? Valid choices: yes or no.
 - **Description** (Required) Free-form text field describing the status.
 - **ErrorMessageList** *** A list of any errors encountered in the transaction.
 - **ErrorMessage** (Required) Description specific errors encountered are given in one or more of these tags.

* The Contact tag is omitted if an error was encountered.

** Address tag is only required if UseEntityAddress tag is set to No.

*** ErrorMessageList is required, if there are any errors, such as when Success is No.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ContactUpdateSubmitResponse>
    <SessionID>J5994105489</SessionID>
```



```

<Contact>
  <ContactID>20572</ContactID>
  <EntityID>1948</EntityID>
  <ContactName>
    <FirstName>John</FirstName>
    <MiddleName>L</MiddleName>
    <LastName>Doe</LastName>
    <Salutation>Mr</Salutation>
  </ContactName>
  <Classification>Eclipse Employee</Classification>
  <UseEntityAddress>No</UseEntityAddress>
  <Address>
    <StreetLineOne>7355 Poston Way</StreetLineOne>
    <StreetLineTwo></StreetLineTwo>
    <City>BOULDER</City>
    <State>CO</State>
    <PostalCode>80301-2312</PostalCode>
    <Country></Country>
  </Address>
  <TelephoneList>
    <Telephone>
      <Number>303-938-8801 x1136</Number>
      <Code>Work</Code>
      <Description>Direct to Cubicle</Description>
    </Telephone>
    <Telephone>
      <Number>303-938-8921</Number>
      <Code>Fax</Code>
      <Description>Fax Machine at work</Description>
    </Telephone>
    <Telephone>
      <Number>303-475-1032</Number>
      <Code>Cell</Code>
      <Description>Cell Phone</Description>
    </Telephone>
  </TelephoneList>
  <Title>SW Engineer 1</Title>
  <EmailAddressList>
    <EmailAddress Type="Business"
HTMLPref="HTML">john_doe@activant.com</EmailAddress>
    <EmailAddress Type="Extra"
HTMLPref="Plain">johnd@activant.com</EmailAddress>
  </EmailAddressList>
  <WebAddress>http://http://distribution.activant.com/</WebAddress>
  <IsSuperuser>Yes</IsSuperuser>
  <Login>
    <LoginID>ECLIPSE</LoginID>
    <Password>TEST</Password>
  </Login>
</Contact>
<StatusResult Success="Yes">
  <Description>Contact information updated
successfully.</Description>
</StatusResult>
</ContactUpdateSubmitResponse>
</IDMS-XML>

```

DrillDownInquiry

General

Purpose	This transaction is used to request information about a product category/drill-down from the system. If no drill-down is specified, then the root drill-downs for the requesting entity returns in a top-level root tag.
Request/Response	Request
Corresponding Transaction Tag	DrillDownInquiryResponse
Secure Transaction?	Yes
Security Details	Data only returns if the requestor's login data is valid.

Field Summary

Security (Required) This is the standard Security tag, which can contain either a Login tag or a SessionID tag.

- **Login*** (Required) For the login type of Security tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user's login.
- **SessionID*** (Required) Alternative to Login tag. You can use a pre-assigned session ID may be used.

DrillID This is the drill-down ID for which the child drills are requested. If omitted, then top-level root drills for the requesting entity returns.

DrillDepth The dept to which the drill-down should be retrieved. If omitted, the drill-down tree traverses to all leaf notes. **Important:** This can be dangerous, as this is not a strict tree structure in Eclipse and can contain circular references, resulting in infinite loops. Valid options: Non-negative integer or null string. A null string is the default.

* Either the Login or SessionID tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <DrillDownInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
    <DrillDepth>2</DrillDepth>
  </DrillDownInquiry>
</IDMS-XML>
```

DrillDownInquiryResponse

General

Purpose	This transaction is used to request information about a product category/drill-down from the system. If no drill-down is specified, then the root drill-downs for the requesting entity return in a top-level root tag.
Request/Response	Request
Corresponding Transaction Tag	DrillDownInquiry
Secure Transaction?	Yes
Security Details	Data only returns if the requestor's login data is valid.

Field Summary

SessionID The assigned session ID.

DrillItem *(Required)* The drill-down item requested.

→ **DrillID** *(Required)* The ID for the requested drill item.

→ **Description** *(Required)* The description for the requested drill item. If root level, then this is "Top-Level Root."

→ **DrillItemList** If this drill item has any child drills, they are presented in this tag's children.

→ **DrillItem** *(Required)* One or more of these tags display. See above for definition. This is recursive tag.

→ **ImageURL** The URL of the image that goes along with this drill.

→ **ItemCount** The count of items displaying in the subtree of this drill.

→ **DrillDataList** If this drill item has any data, then the list is here. At least one of the following child tags display.

→ **ProductFamily** Product family whose contained products fall under this drill item.

→ **ProductKeywords** Product keywords whose matching products fall under this drill item.

→ **PDWMeta** Any product that has this PDW meta item associated with it falls under this drill item.

→ **PDWMetaID** *(Required)* The PDW Meta ID.

→ **Description** *(Required)* The **drill's** description of this PDW meta. **Note:** This description is often, but not necessarily, the same as the PDW Meta's description.

* Either the `Login` or `SessionID` tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <DrillDownInquiryResponse>
    <SessionID>J1745604630</SessionID>
    <DrillItem>
      <DrillID>0</DrillID>
      <Description>Top-Level Root</Description>
      <DrillItemList>
```

```

    <DrillItem>
      <DrillID>2440</DrillID>
      <Description>PLUMBING</Description>
      <DrillItemList>
        <DrillItem>
          <DrillID>2471</DrillID>
          <Description>WRENCHES</Description>
          <ProductKeywords>WRENCHES</ProductKeywords>
        </DrillItem>
      </DrillItemList>
    </DrillItem>
    <DrillDataList>
      <ProductKeywords>SCREWDRIVERS</ProductKeywords>
      <PDWMeta>
        <PDWMetaID>1234</PDWMetaID>
        <Description>DRIVERTYPE</Description>
      </PDWMeta>
      <PDWMeta>
        <PDWMetaID>90843</PDWMetaID>
        <Description>COLOR</Description>
      </PDWMeta>
    </DrillDataList>
  </DrillItem>
  <DrillItem>
    <DrillID>2144</DrillID>
    <Description>ELECTRICAL</Description>
    <DrillItemList>
      <DrillItem>
        <DrillID>2145</DrillID>
        <Description>DIODES</Description>
        <DrillDataList>
          <ProductFamily>
            <FamilyID>FBN</FamilyID>
            <Description>Fly-By-Night Low-Qual</Description>
          </ProductFamily>
          <ProductFamily>
            <FamilyID>Burr-Brown</FamilyID>
            <Description>Burr-Brown High-Qual</Description>
          </ProductFamily>
        </DrillDataList>
      </DrillItem>
      <DrillItem>
        <DrillID>2148</DrillID>
        <Description>RESISTORS</Description>
        <DrillDataList>
          <ProductKeywords>RESISTORS</ProductKeywords>
        </DrillDataList>
      </DrillItem>
      <DrillItem>
        <DrillID>2151</DrillID>
        <Description>CAPACITORS</Description>
        <DrillDataList>
          <ProductKeywords>CAPACITORS</ProductKeywords>
        </DrillDataList>
      </DrillItem>
    </DrillItemList>
  </DrillItem>
  </DrillItem>
  </DrillItem>
  <StatusResult Success="Yes">
    <Description>Drill Down Information retrieved
successfully.</Description>
  </StatusResult>
</DrillDownInquiryResponse>
</IDMS-XML>

```

ElementAccountSetup

General

Purpose	This transaction is used to set up an Element Payment Services payment account card capture session. A URL will be returned that should be used in an iframe or separate web page for the end user to enter their card information.
Request/Response	Request
Corresponding Transaction Tag	ElementAccountSetupResponse
Secure Transaction?	Yes
Security Details	Data will only be returned if the requestor's login data is valid.

Field Summary

Security (Required) This is the standard *Security* tag, which can contain either a *Login* tag or a *SessionID* tag.

- **Login**... (Required*) For the login type of *Security* tag.
 - **LoginID**..... (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID** (Required*) Alternative to *Login* tag, a pre-assigned session ID may be used.
- * One or the other of the *Login* and *SessionID* tags is required.

ElementAccountSetupData..... (Required) Session setup tag.

- **CardHolder**..... (Required) The name of the credit card.
- **StreetAddress**..... (Required) Street address of the card holder.
- **PostalCode** (Required) ZIP Code of the card holder.
- **ReturnURL** The URL that the user should be automatically redirected to after the Element session has been completed (successfully or not). Element will append parameters and values to this URL. Important parameters are: *HostedPaymentStatus* (if this is set to "Cancelled" then the user cancelled the card payment account creation), *ExpressResponseCode* (if this is not "0" then there was an error setting up the payment account), and *PaymentAccountID* is also available if you do not want to perform an *ElementSetupQuery* for this session.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ElementAccountSetup>
    <Security>
      <Login>
        <LoginID>LOGIN</LoginID>
        <Password>PASSWORD</Password>
      </Login>
    </Security>
    <ElementAccountSetupData>
```

```
<CardHolder>John Q. Cardholder</CardHolder>
<StreetAddress>1948 Eclipse St.</StreetAddress>
<PostalCode>80303</PostalCode>
<ReturnUrl>http://example.com/</ReturnUrl>
</ElementAccountSetupData>
</ElementAccountSetup>
</IDMS-XML>
```

ElementAccountSetupResponse

General

Purpose	A URL will be returned that should be used in an iframe or separate web page for the end user to enter their card information. A setup ID is also returned if you cannot scrape the forward URL for the paymentAccount and need to do an ElementSetupQuery. PLEASE NOTE: If a payment account is successfully created from this Element session, the resulting payment account ID must be used in a ContactUpdateSubmit, ContactNewSubmit, EntityUpdateSubmit, EntityNewSubmit, SalesOrderSubmit, or InvoiceSubmit. Doing this ensures that the payment account is associated to a contact, customer, or order. Any payment account not associated to an Eclipse entity will be considered orphaned. Customers are charged for each payment account created so it is important to keep track of any payment accounts created.
Request/Response	Reponse
Corresponding Transaction Tag	ElementAccountSetup
Secure Transaction?	Yes
Security Details	Data will only be returned if the requestor's login data is valid.

Field Summary

SessionID The assigned session ID.

ElementSetupURL The URL to direct the user to in order for them to enter their sensitive credit card information.

ElementSetupID The Element setup session GUID.

StatusResult (*Required*) This tag describes the status of the response side of this transaction.

→ **(Attributes)** The following are the attributes for this tag:

→ **Success** (*Required*) Was the transaction successful?
Valid choices: "Yes" or "No"

→ **Description** (*Required*) Free-form text field describing the status.

→ **ErrorMessageList** . A list of any errors encountered in the transaction.
ErrorMessageList is required if there are any errors, for example, when the Success attribute is "No."

→ **ErrorMessage** (*Required*) Description specific errors encountered are given in one or more of these tags here.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ElementAccountSetupResponse>
    <SessionID>J1765528182</SessionID>
```

```
<ElementSetupUrl>https://testtransaction.hostedpayments.com/?TransactionSetupID
=AC3F0F84-97FC-4276-ADA2-A8EA4116872D</ElementSetupUrl>
  <ElementSetupId>AC3F0F84-97FC-4276-ADA2-A8EA4116872D</ElementSetupId>
  <StatusResult Success="Yes">
    <Description>Element PASS Account session setup
successfully.</Description>
  </StatusResult>
</ElementAccountSetupResponse>
</IDMS-XML>
```


ElementSetupQuery

General

Purpose	This transaction queries the Element session using the ElementSetupID.
Request/Response	Request
Corresponding Transaction Tag	ElementSetupQueryResponse
Secure Transaction?	Yes
Security Details	Data will only be returned if the requestor's login data is valid.

Field Summary

Security (Required) This is the standard Security tag, which can contain either a Login tag or a SessionID tag.

- **Login**..... (Required*) For the login type of Security tag.
 - **LoginID**..... (Required) This is the login for the requesting user.
 - **Password**..... (Required) This is the password for the requesting user.
- **SessionID**..... (Required*) Alternative to Login tag, a pre-assigned session ID may be used.
- * One or the other of the Login and SessionID tags is required.

ElementSetupID..... (Required) The Element session GUID returned in the ElementAccountSetupResponse.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ElementSetupQuery>
    <Security>
      <Login>
        <LoginID>LOGIN</LoginID>
        <Password>PASSWORD</Password>
      </Login>
    </Security>
    <ElementSetupId>AC3F0F84-97FC-4276-ADA2-A8EA4116872D
  </ElementSetupId>
</ElementSetupQuery>
</IDMS-XML>
```

ElementSetupQueryResponse

General

Purpose	This transaction will return a credit card if a payment account was set up in the Element session.
Request/Response	Response
Corresponding Transaction Tag	ElementSetupQuery
Secure Transaction?	Yes
Security Details	Data will only be returned if the requestor's login data is valid.

Field Summary

Session ID The assigned session ID.

Credit Card This is the Credit Card tag.

- **CreditCardType** (Required) The card branch, such as Visa.
- **CreditCardNumber** (Required) The last 4 digits of the credit card. Full PANs are no longer available with Element.
- **Expiration Date** (Required) Expiration Date.
 - **Date** (Required) The card's expiration date.
- **CardHolder** (Required) Name on the credit card.
- **StreetAddress** (Required) Billing address of the card.
- **Postal Code** (Required) The billing ZIP Code/Postal code of the card.
- **ElementPaymentAccountID** .. (Required) This is the payment account GUID that identifies this card.

StatusResult (Required) This tag describes the status of the response side of this transaction.

- **(Attributes)** The following are attributes for this tag:
 - **Success** (Required) Was the transaction successful? Valid choices: "Yes" or "No."
 - **Description** (Required) free-form text field description the status
 - **ErrorMessageList** . A list of any errors encountered in the transaction.
ErrorMessageList *is* required if there are any errors, for example, when Success is "No."
 - **ErrorMessage** Description specific errors encountered are given in one or more of these tags here.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ElementSetupQueryResponse>
    <SessionID>J8217154441</SessionID>
    <CreditCard>
      <CreditCardType>Visa</CreditCardType>
```

```
<CreditCardNumber>2201</CreditCardNumber>
<ExpirationDate>
  <Date>07/30/2011</Date>
</ExpirationDate>
<CardHolder>John Q. Cardholder</CardHolder>
<StreetAddress>1948 Eclipse St.</StreetAddress>
<PostalCode>80303</PostalCode>
<ElementPaymentAccountId>50380760-99AA-4129-87FD-
08F6337A1776</ElementPaymentAccountId>
</CreditCard>
<StatusResult Success="Yes">
  <Description>Element PASS Account session setup
successfully.</Description>
</StatusResult>
</ElementSetupQueryResponse>
</IDMS-XML>
```

EmailDistributionSubmit

General

Purpose	This transaction is used to maintain the Eclipse Email Distribution list.
Request/Response	Request
Corresponding Transaction Tag	EmailDistributionSubmitResponse
Secure Transaction?	No (SitePass required)
Security Details	Data only returns if the submitted Site Pass data is valid.

Field Summary

EmailDistributionSubmit This is the drill-down ID for which the child drills are requested. If omitted, then top-level root drills for the requesting entity return.

- **SitePass** (Required) This is the standard SitePass Password tag.
 - **LoginID** (Required) This is the site-level login.
 - **Password** (Required) This is the site-level password.
- **AddToDistributionList*** This contains the list of emails to add to the distribution list.
 - **EmailAddressList** List of email addresses.
 - **EmailAddress** (Required) Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are attributes for this tag.
 - **Type** Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref** Does user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
- **RemoveFromDistributionList** This contains the list of emails to remove from the distribution list.
 - **EmailAddressList*** List of email addresses.
 - **EmailAddress** (Required) Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type as defined in **Valid E-mail Types** control maintenance record.
 - **HTMLPref** Does user want to receive emails in HTML format? Valid choices: HTML or PLAIN.

* If both the AddToDistributionList and RemoveFromDistributionList tag are omitted, no changes will be made and the current Email Distribution list will be returned in the response.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <EmailDistributionSubmit>
    <SitePass>
```

```
<LoginID>siteLogin</LoginID>
  <Password>sitePassword</Password>
</SitePass>
<AddToDistributionList>
  <EmailAddressList>
    <EmailAddress Type=""
HTMLPref="">emailaddress3@someserver.com</EmailAddress>
    <EmailAddress Type=""
HTMLPref="">emailaddress4@someserver.com</EmailAddress>
  </EmailAddressList>
</AddToDistributionList>
</EmailDistributionSubmit>
</IDMS-XML>
```

EmailDistributionSubmitResponse

General

Purpose	This transaction provides information about the success/failure of EmailDistributionSubmit transactions, as well as providing the current email distribution list.
Request/Response	Request
Corresponding Transaction Tag	EmailDistributionSubmitResponse
Secure Transaction?	No (Site Pass required)
Security Details	Data only returns if the requestor's Site Pass data is valid.

Field Summary

SessionID The assigned session ID.

EmailAddressList List of email addresses.

- **EmailAddress** (Required) Email address data is defined using one or more instances of this tag.
- **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref** Does user want to receive emails in HTML format? Valid choices: HTML or PLAIN.

StatusResult (Required) This tag describes the status of the response side of this transaction.

- **(Attributes)** The following are the attributes for this tag.
 - **Success** (Required) Was the transaction successful? Valid choices: yes or no.
- **Description** (Required) Free-form text field describing the status.
- **ErrorMessageList*** A list of any errors encountered in the transaction.
 - **ErrorMessage** (Required) Description specific errors encountered are given in one or more of these tags.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <EmailDistributionSubmitResponse>
    <SessionID>J4227201003</SessionID>
    <EmailAddressList>
      <EmailAddress Type=""
HTMLPref="">emailaddress1@someserver.com</EmailAddress>
      <EmailAddress Type=""
HTMLPref="">emailaddress2@someserver.com</EmailAddress>
      <EmailAddress Type=""
HTMLPref="">emailaddress3@someserver.com</EmailAddress>
      <EmailAddress Type=""
HTMLPref="">emailaddress4@someserver.com</EmailAddress>
    </EmailAddressList>
```

```
<StatusResult Success="Yes">  
  <Description>Email Distribution List transaction completed  
successfully.</Description>  
</StatusResult>  
</EmailDistributionSubmitResponse>  
</IDMS-XML>
```

EntityInquiry

General

Purpose	This transaction is used to request information about an entity from the system
Request/Response	Request
Corresponding Transaction Tag	EntityInquiryResponse
Secure Transaction?	Yes
Security Details	Entity information only returns if requesting contact is related to the target entity

Field Summary

Security (Required) This is the standard `Security` tag, which can contain either a `Login` tag or a `SessionID` tag.

- **Login*** (Required) For the login type of `Security` tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to `Login` tag. You can use a pre-assigned session ID may be used.

EntityID (Required) This is the internal Eclipse ID that specifies which entity is being queried.

IncludeCreditCardData Instructs processor to include `CreditCardList` in response.

* Either the `Login` or `SessionID` tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <EntityInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
    <EntityID>1948</EntityID>
  </EntityInquiry>
</IDMS-XML>
```


EntityInquiryResponse

General

Purpose	This transaction is used to return information about an entity from the system
Request/Response	Response
Corresponding Transaction Tag	EntityInquiry
Secure Transaction?	Yes
Security Details	Entity information only returns if requesting contact is related to the target entity

Field Summary

SessionID The assigned session ID.

Entity (Required) This is the Entity tag.

- **EntityID** (Required) This is the internal Eclipse ID that specifies which entity is being queried.
 - **(Attributes)** The following are the attributes for this tag.
 - **New** Is this a new entity? **Note:** This attribute is omitted in this tag.
- **EntityName** (Required) The entity's name is defined using this tag.
- **BillTo** The BillTo tag can contain either an Entity tag or just an EntityID tag. In this case, just the EntityID is given. However, this tag is omitted if the target entity of this query is itself a Bill To.
 - **EntityID** (Required) The internal Eclipse ID of the target entity's Bill-to "parent."
- **ShipToList** A list of this entity's subordinate ship-to entities.
 - **EntityID** (Required) The subordinate ship-to entities are listed in one or more of these tags.
- **Address** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city of the street address.
 - **State** (Required) The state of the street address.
 - **PostalCode** (Required) The ZIP or postal code of the street address.
 - **Country** (Required) The country of the street address.
- **DefaultShipVia** The default Ship Via Code for this entity.
- **ContactIDList** The list of contacts attached to this entity, if any.
 - **ContactID** (Required) All contacts attached to this entity are listed in one or more of these tags.
- **ContactShortList** "ContactShort" records or contacts that have only a little information about them and do not have actual contact records can be stored in the entity record itself. This is the list of these pseudo-contacts.
 - **ContactShort** .. (Required) Information about these pseudo-contact records is provided in one or more of these tags.

- **Description** (Required) Description of this “ContactShort,” such as John Smith or Main Fax.
- **Telephone**..... (Required) Telephone number of this contact.
 - **Number** (Required) The telephone number. Format as needed.
 - **Code**..... Telephone code. **Important:** This tag is ignored in this context.
 - **Description** Free-form text field describing telephone number.
- **PriceClassList** Customer’s price classes for each branch.
 - **PriceClass**..... (Required) The price class for one branch.
 - **(Attributes)** The following are the attributes for this tag.
 - **BranchID**... (Required) The `BranchID` for which the price class is being defined.
- **ECommerceIDList** A list of alternate IDs that can be used to identify an entity.
 - **ECommerceID**..... (Required) One or more of these tags define the entity’s ECommerceIDs.
- **FederalTaxID**..... This entity’s Federal tax ID.
- **TaxExemptCodeList**.... Entity’s federal tax exempt codes.
 - **TaxExemptCode** (Required) Entity’s federal tax exempt codes are defined in one or more of these tags.
 - **Code**..... (Required) The exemption code, such as EXEMPT.
 - **City or County**..... (Special) One or the other of these two tags may be given, or neither, but not both.
 - **State**..... (Required) State in which the exemption is located.
 - **ExemptionNumber** The exemption number.
 - **ExpirationDate** The date this exemption expires.
 - **Date**..... The actual date goes in a `Date` tag.
- **EntityNoteList**..... A list of notes about the entity.
 - **EntityNote** (Required) One or more of these tags define the Entity Notes.
 - **Type** (Required) The type of note. Valid choices for *customer* entities are defined by the **User Defined Customer Notes** control maintenance record. Valid choices for *vendor* entities are defined by the **User Defined Vendor Notes** control maintenance record.
 - **Description** (Required) The text of the note.
- **Credit**..... The entities credit information.
 - **(Attributes)**..... The following are the attributes for this tag.
 - **Currency** (Required) The currency of the money in question.
 - **CreditLimit** (Required) The entity’s credit limit.
 - **CreditAvailable** (Required) The entity’s remaining credit.
 - **OrderEntryOK** (Required) Does the entity have access to order entry? Valid choices: yes or no.
 - **Terms** The entity’s payment terms field.
 - **Description** A description of the entity’s credit.
- **CreditCardList** Credit card data for this entity is passed through this tag.
 - **CreditCard**..... (Required) One or more of these tags present the entity’s credit card data.
 - **CreditCardType**..... (Required) The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** (Required) The credit card number.

- **ExpirationDate** (Required) The date the credit card is no longer valid.
 - **Date** (Required) The date is placed in this tag.
- **CardHolder** (Required) The card holder's name.
- **StreetAddress** (Required) The credit card holder's billing address.
- **PostalCode** (Required) The credit card holders billing address's ZIP or postal code.
- **AuthType** The authorization method as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
- **ElementPaymentAccountId** (Required) The GUID generated by Element Payment Services that identifies the credit card on Element's server.
- **EmailAddressList** List of email addresses.
 - **EmailAddress** (Required) Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref** Does the user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
- **WebAddress** Web URL for contact.
- **EntityRemoteData** (Required) The information located in Customer Maintenance, if populated.
 - **RemoteDiscountPercent** A numeric representation of the percentage to be discounted. If the customer has a 2.5% discount, the return a value is 2.5.
 - **OrderStatusList** A list of order statuses the customer can submit through Web Integration. Each status has a code attribute and a description value.
 - **OrderStatus** The status of the order as defined in the SOE.STATUS control record, Attribute 1.
 - **Attribution** Code (one letter code to signify order status.)
 - **ShipViaList** A list of ShipVialD's for this customer (these will be the same IDs that are returned when doing a ShipVialInquiry transaction.
 - **ShipVialID** (Required) The internal Eclipse ID of this ship via method.
 - **ARPassword** The password for the user.
 - **HideOrderHistory** Indicates that order history should not display.
 - **HideAccountInquiry** Indicates that the account inquiry should not display.
 - **HideZeroPrice** Indicates that stock items with zero pricing should not be display.
 - **Login Message** A message displayed for the customer when they log in to the website.
- **ClassificationItemList** The list of user-defined elements.
 - **ClassificationItem** The user-defined element list item.
 - **Name** Name in the **Prompt** column as displayed in Customer Maintenance using the **Classify** hot key on the User Defined Data screen.
 - **Value** The value listed in the **Input** column as displayed in Customer Maintenance using the **Classify** hot key on the User Defined Data screen.
- StatusResult** (Required) This tag describes the status of the response side of this transaction.
 - **(Attributes)** The following are the attributes for this tag.
 - **Success** (Required) Was the transaction successful? Valid choices: yes or no.

- **Description** (Required) Free-form text field describing the status.
- **ErrorMessageList*** A list of any errors encountered in the transaction.
 - **ErrorMessage** (Required) Description specific errors encountered are given in one or more of these tags.

* ErrorMessageList is required if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <EntityInquiryResponse>
    <SessionID>J1696647744</SessionID>
    <Entity>
      <EntityID>1948</EntityID>
      <EntityName>Eclipse - Boulder</EntityName>
      <ShipToList>
        <EntityID>1948</EntityID>
        <EntityID>10714</EntityID>
        <EntityID>15655</EntityID>
        <EntityID>8307</EntityID>
        <EntityID>32059</EntityID>
      </ShipToList>
      <Address>
        <StreetLineOne>5340 Airport Boulevard</StreetLineOne>
        <StreetLineTwo></StreetLineTwo>
        <City>BOULDER</City>
        <State>CO</State>
        <PostalCode>80301-2312</PostalCode>
        <Country></Country>
      </Address>
      <ContactIDList>
        <ContactID>20572</ContactID>
        <ContactID>14766</ContactID>
        <ContactID>14778</ContactID>
        <ContactID>14999</ContactID>
        <ContactID>7054</ContactID>
        <ContactID>7213</ContactID>
      </ContactIDList>
      <ContactShortList>
        <ContactShort>
          <Description>MAIN</Description>
          <Telephone>
            <Number>303-938-8801</Number>
            <Code></Code>
            <Description></Description>
          </Telephone>
        </ContactShort>
        <ContactShort>
          <Description>FAX</Description>
          <Telephone>
            <Number>303-938-8921</Number>
            <Code></Code>
            <Description></Description>
          </Telephone>
        </ContactShort>
      </ContactShortList>
      <PriceClassList>
        <PriceClass BranchID="1">3</PriceClass>
        <PriceClass BranchID="2">4</PriceClass>
        <PriceClass BranchID="3">4</PriceClass>
      </PriceClassList>
    </Entity>
  </EntityInquiryResponse>
</IDMS-XML>
```

```

        <PriceClass BranchID="4">2</PriceClass>
    </PriceClassList>
    <ECommerceIDList>
        <ECommerceID>ARIBA~1234</ECommerceID>
    </ECommerceIDList>
    <FederalTaxID>293092238</FederalTaxID>
    <TaxExemptCodeList>
        <TaxExemptCode>
            <Code>EXEMPT</Code>
            <City>BIRMINGHAM</City>
            <State>MI</State>
            <ExemptionNumber>87990838</ExemptionNumber>
            <ExpirationDate>
                <Date>01/01/2005</Date>
            </ExpirationDate>
        </TaxExemptCode>
        <TaxExemptCode>
            <Code>EXEMPT</Code>
            <County>MACOMB</County>
            <State>MI</State>
            <ExemptionNumber>87990839</ExemptionNumber>
            <ExpirationDate>
                <Date>01/01/2005</Date>
            </ExpirationDate>
        </TaxExemptCode>
    </TaxExemptCodeList>
    <EntityNoteList>
        <EntityNote>
            <Type>HARDWARE NOTES</Type>
            <Description> </Description>
        </EntityNote>
        <EntityNote>
            <Type>National Account Invoices</Type>
            <Description>3034751032 Eclipse, Inc.</Description>
        </EntityNote>
    </EntityNoteList>
    <Credit Currency="US$" CreditLimit="-142280228"
CreditAvailable="50000" OrderEntryOK="Yes">
        <Description>Credit OK</Description>
    </Credit>
    <EmailAddressList>
        <EmailAddress Type="Home"
HTMLPref="">scottr@eclipseinc.com</EmailAddress>
        <EmailAddress Type="Business"
HTMLPref="">erics@eclipseinc.com</EmailAddress>
    </EmailAddressList>
    <WebAddress>www.eclipseinc.com</WebAddress>
</Entity>
<StatusResult Success="Yes">
    <Description>Entity Information retrieved
successfully.</Description>
</StatusResult>
</EntityInquiryResponse>
</IDMS-XML>

```

EntityNewSubmit

General

Purpose	This transaction is used to create new Entities in the system
Request/Response	Request
Corresponding Transaction Tag	EntityNewSubmit
Secure Transaction?	Yes, if just creating a new child entity under an existing BillTo. No, if creating entirely new entity (i.e., new entity and new contact for entirely new system access)
Security Details	If creating a new entity subordinate to an existing BillTo, then the entity information only enters into the system if the requesting contact is both related to the parent BillTo and is marked as a "Superuser" in "Contact WOE Parameters."
Special Note	This is a very versatile transaction. It has two main functions; first, it is the gateway into the system for new customers. They submit this tag with only the Entity and Contact tags inside of it, and a new Entity, Contact, and Login are all created, giving the new customer the default access that the system administrator can define. The other use of this tag is to create new ShipTo entities beneath an existing BillTo entity, thus allowing for existing customers to define their multiple ShipTo addresses. This form of the tag requires that a Security tag be included in the request, and only the Entity tag is used; the Contact tag is not.

Field Summary

Security (Special) This is the standard Security tag, which can contain either a Login tag or a SessionID tag.

- **Login*** (Required) For the login type of Security tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to Login tag. You can use a pre-assigned session ID may be used.

TemplateOverride..... This allows for a specific Template EntityID to be specified.

- **EntityID**..... (Required) The EntityID of the entity to be used as the template for the new entity.

Entity (Required) This is Entity tag.

- **EntityID**..... (Required) This is the internal Eclipse ID for the entity.
 - **(Attributes)**..... The following are the attributes for this tag.
 - **New** Is this a new entity? Valid choices: This attribute must be set to "Yes."
- **EntityName** (Required) The new entity's name is defined using this tag.

- **BillTo** (*Special*) The **BillTo** tag must either contain an **EntityID** if this is a new Ship-To being created under that **EntityID**, or it must be omitted if this is an entirely new entity being created.
 - **EntityID** (*Required*) The internal Eclipse ID of the target entity's Bill To "parent."
- **Address** (*Required*) The address is defined using this tag.
 - **StreetLineOne** (*Required*) First line of the street address.
 - **StreetLineTwo** (*Required*) Second line of the street address.
 - **City** (*Required*) The city for the street address.
 - **State** (*Required*) The state for the street address.
 - **PostalCode** (*Required*) The ZIP or postal code for the street address.
 - **Country** (*Required*) The country for the street address.
- **ContactShortList** "ContactShort" records or contacts that have only a little information about them and do not have actual contact records can be stored in the Entity record itself. This is the list of these pseudo-contacts.
 - **ContactShort** (*Required*) Information about these pseudo-contact records is provided in one or more of these tags.
 - **Description** (*Required*) Description of this "ContactShort," such as John Smith or Main Fax.
 - **Telephone** (*Required*) Telephone number for this contact/
 - **Number** (*Required*) The telephone number. Format as needed.
 - **Code** The telephone code. **Note:** This tag is not used in this transaction.
 - **Description** Free-form text field describing the telephone number. **Note:** This tag is not used in this transaction.
- **CustomerTypeList** A list of customer types are presented in this tag structure.
 - **CustomerType** (*Required*) Customer types are presented in one or more of these tags as defined in the **Valid Customer Types** control maintenance record.
- **PriceClassList** Customer's Price Classes for each branch.
 - **PriceClass** (*Required*) The price class for one branch.
 - **(Attributes)** (*Required*) The following are the attributes for this tag.
 - **BranchID**... (*Required*) The BranchID for which the price class is being defined.
- **ECommerceIDList** A list of alternate IDs that can be used to identify an entity.
 - **ECommerceID** (*Required*) One or more of these tags define the entity's ECommerceIDs.
- **TaxExemptCodeList** Entity's federal tax exempt codes are defined with this tag.
 - **TaxExemptCode** (*Required*) Entity's federal tax exempt codes are defined in one or more of these tags.
 - **Code** (*Required*) The exemption code, such as EXEMPT.
 - **City or County** (*Special*) One or the other of these two tags may be given, or neither, but not both.
 - **State** (*Required*) State in which the exemption is located.
 - **ExemptionNumber** The exemption number.
 - **ExpirationDate** The date this exemption expires.
 - **Date** (*Required*) The actual date goes in a date tag.
- **EntityNoteList** A list of notes about the entity.
 - **EntityNote** (*Required*) One or more of these tags define the Entity Notes.

- **Type** (Required) The type of note. Valid choices for *customer* entities are defined by the **User Defined Customer Notes** control maintenance records. Valid choices for *vendor* entities are defined by the **User Defined Vendor Notes** control maintenance records.
- **Description** (Required) The text of the note.
- **CreditCardList** Credit card data for this entity is passed through this tag.
 - **CreditCard** (Required) One or more of these tags present the entity's credit card data.
 - **CreditCardType** (Required) The credit card type. Valid choices are defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** (Required) The credit card number.
 - **ExpirationDate** (Required) The date the credit card is no longer valid.
 - **Date** (Required) The current date is placed in this tag.
 - **CardHolder** (Required) The card holder's name.
 - **StreetAddress** (Required) The credit card holder's billing address.
 - **PostalCode** (Required) The credit card holders billing address's ZIP or postal code.
 - **AuthType** The authorization method as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountID** (Required) The GUID generated by Element Payment Services that identifies the credit card on Element's server.
- **EmailAddressList** List of email addresses.
 - **EmailAddress** (Required) Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref** Does the user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
 - **WebAddress** Web URL for contact.
- Contact** (Special) This is the `Contact` tag. If this is a completely new entity, then this tag must be included, otherwise (new ShipTo attached to an existing BillTo), it must be omitted.
- **ContactID** (Required) This is required, but since this is a new contact, it remains blank. See Attribute "New."
 - **(Attributes)** The following are the attributes for this tag.
 - **New** (Required) Is this a new tag? This attribute must be set to "Yes" for this transaction.
- **EntityID** (Required) The entity to attach to the new contact. This entity must be left blank for this transaction.
- **ContactName** (Required) The new contact's name is defined using this tag.
 - **FirstName** (Required) The new contact's first name.
 - **MiddleName** The new contact's middle name.
 - **LastName** (Required) The new contact's last name.
 - **Salutation** The new contact's title, such as Mr. or Mrs.
- **Classification** The contact's valid SFA classification as defined by the **Valid SFA Contact Classifications** control maintenance record.
- **UseEntityAddress** (Required) Should this contact get its address from the entity defined above? Valid choices: yes or no.

- **Address**** (Required) The address is defined using this tag.
 - **StreetLineOne**..... (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city of the street address.
 - **State** (Required) The state of the street address.
 - **PostalCode** (Required) The ZIP or postal code of the street address.
 - **Country** (Required) The country of the street address.
- **TelephoneList**..... (Required) A list of telephone numbers.
 - **Telephone** (Required) Telephone data is defined using one or more instances of this tag.
 - **Number** (Required) Telephone number. Format as needed.
 - **Code**..... Telephone code as defined by the **Valid Phone Codes** control maintenance record.
 - **Description** Free-form text field describing telephone number.
- **Title**..... Title for the contact.
- **EmailAddressList**..... List of email addresses.
 - **EmailAddress** (Required) Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref**..... Does user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
- **WebAddress** Web URL for contact.
- **IsSuperuser** (Required) Is this contact a Superuser? This must be set to "yes" in this context.
- **Login**..... (Required) Login information is defined.
 - **LoginID** (Required) The login for the user.
 - **Password** (Required) The password for the user.

* Either the `Login` or `SessionID` tag is required

** Address tag is only required if `UseEntityAddress` tag is set to No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <EntityNewSubmit>
    <Entity>
      <EntityID New="Yes"/>
      <EntityName>Charlie Quebec November 624</EntityName>
      <Address>
        <StreetLineOne>99876 Kilo Dr</StreetLineOne>
        <StreetLineTwo/>
        <City>Echo</City>
        <State>AL</State>
        <PostalCode>36801</PostalCode>
        <Country>USA</Country>
      </Address>
      <ContactShortList>
        <ContactShort>
```

```

        <Description>Main</Description>
        <Telephone>
            <Number>249-668-9000</Number>
        </Telephone>
    </ContactShort>
    <ContactShort>
        <Description>Fax</Description>
        <Telephone>
            <Number>249-668-9001</Number>
        </Telephone>
    </ContactShort>
</ContactShortList>
<PriceClassList>
    <PriceClass BranchID="1">3</PriceClass>
    <PriceClass BranchID="2">4</PriceClass>
    <PriceClass BranchID="3">4</PriceClass>
    <PriceClass BranchID="4">2</PriceClass>
</PriceClassList>
<ECommerceIDList>
    <ECommerceID>BRAVO-ID1</ECommerceID>
    <ECommerceID>DELTA-ID2</ECommerceID>
    <ECommerceID>JULIET-ID3</ECommerceID>
</ECommerceIDList>
<TaxExemptCodeList>
    <TaxExemptCode>
        <Code>EXEMPT</Code>
        <City>BIRMINGHAM</City>
        <State>MI</State>
        <ExemptionNumber>87990838</ExemptionNumber>
        <ExpirationDate>
            <Date>01/01/2005</Date>
        </ExpirationDate>
    </TaxExemptCode>
    <TaxExemptCode>
        <Code>EXEMPT</Code>
        <County>MACOMB</County>
        <State>MI</State>
        <ExemptionNumber>87990839</ExemptionNumber>
        <ExpirationDate>
            <Date>01/01/2005</Date>
        </ExpirationDate>
    </TaxExemptCode>
</TaxExemptCodeList>
<EmailAddressList>
    <EmailAddress HTMLPref="HTML"
Type="Business">tango@golf.com</EmailAddress>
</EmailAddressList>
    <WebAddress>http://www.foxtrot.com/</WebAddress>
</Entity>
<Contact>
    <ContactID New="Yes"/>
    <EntityID/>
    <ContactName>
        <FirstName>Oscar</FirstName>
        <MiddleName>Mike</MiddleName>
        <LastName>November</LastName>
        <Salutation>Mr</Salutation>
    </ContactName>
    <Classification>Hotel Employee</Classification>
    <UseEntityAddress>No</UseEntityAddress>
    <Address>
        <StreetLineOne>114 Whiskey Blvd</StreetLineOne>
        <StreetLineTwo>Apt. 440</StreetLineTwo>
        <City>Sierra</City>
    </Address>
    </Contact>

```

```
        <State>AL</State>
        <PostalCode>36801</PostalCode>
        <Country>USA</Country>
    </Address>
    <TelephoneList>
        <Telephone Code="Home">
            <Number>249-554-8955</Number>
            <Description>Home</Description>
        </Telephone>
    </TelephoneList>
    <Title>President, CEO</Title>
    <EmailAddressList>
        <EmailAddress Type="Home"
HTMLPref="HTML">Yankee@india.com</EmailAddress>
    </EmailAddressList>
    <WebAddress>http://www.uniform.com/</WebAddress>
    <IsSuperuser>Yes</IsSuperuser>
    <Login>
        <LoginID>Lima</LoginID>
        <Password>xrayzulu</Password>
    </Login>
    </Contact>
</EntityNewSubmit>
</IDMS-XML>
```

EntityNewSubmitResponse

General

Purpose	This transaction is used to confirm new Entities created in the system
Request/Response	Response
Corresponding Transaction Tag	EntityNewSubmitResponse
Secure Transaction?	Yes, if just creating a new child entity under an existing BillTo. No, if creating entirely new entity (i.e., new entity and new contact for entirely new system access).
Security Details	If creating a new entity subordinate to an existing BillTo, then the entity information only enters into the system if the requesting contact is both related to the parent BillTo and is marked as a "Superuser" in "Contact WOE Parameters."
Special Note	<p>This is a very versatile transaction. It has two main functions; first, it is the gateway into the system for new customers. They submit this tag with only the <code>Entity</code> and <code>Contact</code> tags inside of it, and a new <code>Entity</code>, <code>Contact</code>, and <code>Login</code> are all created, giving the new customer the default access that the system administrator can define.</p> <p>The other use of this tag is to create new Ship-To entities beneath an existing BillTo entity, thus allowing for existing customers to define their multiple ShipTo addresses. This form of the tag requires that a <code>Security</code> tag be included in the request, and only the <code>Entity</code> tag is used; the <code>Contact</code> tag is not.</p>

Field Summary

SessionID The assigned session ID.

Entity (Required) This is the `Entity` tag.

→ **EntityID** (Required) This is the internal Eclipse ID for the newly created entity.

→ **(Attributes)** The following are the attributes for this tag.

→ **New** Is this a new entity? **Note:** This attribute is omitted.

→ **EntityName** (Required) The new entity's name is defined using this tag.

→ **BillTo** (Special) The `BillTo` tag either contains an `EntityID` if this is a new Ship-To being created underneath this BillTo, or it is omitted if this is an entirely new entity being created.

→ **EntityID** (Required) The internal Eclipse ID of the target entity's BillTo "parent."

→ **Address** (Required) The address is defined using this tag.

→ **StreetLineOne** (Required) The first line of the street address.

→ **StreetLineTwo** (Required) The second line of the street address.

→ **City** (Required) The city of the street address.

→ **State** (Required) The state of the street address.

→ **PostalCode** (Required) The ZIP or postal code for the address.

→ **Country** (Required) The country for the address.

- **ContactShortList**.....“ContactShort” records or contacts that have only a little information about them and do not have actual contact records can be stored in the entity record itself. This is the list of these pseudo-contacts.
 - **ContactShort** *(Required)* Information about these pseudo-contact records is provided in one or more of these tags.
 - **Description** *(Required)* Description of this “ContactShort,” such as John Smith or Main Fax.
 - **Telephone** *(Required)* Telephone number of this contact.
 - **Number** *(Required)* The telephone number. Format as needed.
 - **Code** The telephone code. **Note:** This tag is ignored in this context.
 - **Description** Free-form text field describing telephone number.
- **CustomerTypeList**.....List of customer types is presented in this tag structure.
 - **CustomerType** *(Required)* Customer types are presented in one or more of these tags as defined by the **Valid Customer Types** control maintenance record.
- **PriceClassList**Customer’s price classes for each branch.
 - **PriceClass** *(Required)* The price class for one branch.
 - **(Attributes)** *(Required)* The following are the attributes for this tag.
 - **BranchID** *(Required)* The BranchID for which the price class is being defined.
- **ECommerceIDList**A list of alternate IDs that can be used to identify an entity.
 - **ECommerceID** *(Required)* One or more of these tags define the entity’s ECommerceIDs.
- **TaxExemptCodeList**....Entity’s federal tax exempt codes are defined with this tag.
 - **TaxExemptCode** ... *(Required)* Entity’s federal tax exempt codes are defined in one or more of these tags.
 - **Code** *(Required)* The exemption code, such as EXEMPT.
 - **City or County** *(Special)* One or the other of these two tags may be given, or neither, but not both.
 - **State** *(Required)* State in which the exemption code applies.
 - **ExemptionNumber** The exemption number for the entity.
 - **ExpirationDate** The date this exemption is no longer valid.
 - **Date** *(Required)* The actual date goes in a `Date` tag.
- **EntityNoteList**.....A list of notes about the entity.
 - **EntityNote** *(Required)* One or more of these tags define the Entity Notes.
 - **Type** *(Required)* The type of note. Valid choices for *customer* entities are defined by the **User Defined Customer Notes** control maintenance record. Valid choices for *vendor* entities are defined by the **User Defined Vendor Notes** control maintenance record.
 - **Description** *(Required)* The text of the note.
- **CreditCardList**Credit card data for this entity is passed through this tag.
 - **CreditCard** *(Required)* One or more of these tags present the entity’s credit card data.
 - **CreditCardType** *(Required)* The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** *(Required)* The credit card number.
 - **ExpirationDate** *(Required)* the date the credit card is no longer valid.
 - **Date** *(Required)* The current date is placed in this tag.
 - **CardHolder** *(Required)* The card holder’s name.

- **StreetAddress** (Required) The credit card holder's billing street address.
- **PostalCode** (Required) The ZIP or postal code for the credit card holder's billing street.
- **AuthType** Authorization method as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
- **ElementPaymentAccountId** (Required) The GUID generated by Element Payment Services that identifies the credit card on Element's server.
- **EmailAddressList** List of email addresses.
 - **EmailAddress** (Required) Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref** Does the user want to receive emails in HTML format? Valid choices: yes or no.
 - **WebAddress** Web URL for contact.
- Contact** (Special) This is the `Contact` tag. If this is an entirely new entity, then this is included, otherwise (new Ship-To attached to an existing Bill-to), it is omitted.
 - **ContactID** (Required) This is the internal Eclipse ID for this contact.
 - **(Attributes)** The following are the attributes for this tag.
 - **New** (Required) Is this a new contact? **Note:** This attribute is omitted.
 - **EntityID** (Required) The entity to which this new contact is attached is the same as the `EntityID` in the `Entity` tag above.
 - **ContactName** (Required) The new contact's name is defined using this tag above.
 - **FirstName** (Required) The new contact's first name.
 - **MiddleName** The new contact's middle name.
 - **LastName** (Required) The new contact's last name.
 - **Salutation** The new contact's title, such as Mr. and Mrs.
 - **Classification** Contact's valid SFA Classification as defined by **Valid SFA Contact Classification** control maintenance record.
 - **UseEntityAddress** (Required) Should this contact get its address from the entity defined above? Valid choices: yes or no.
 - **Address**** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** (Required) The state of the street address.
 - **PostalCode** (Required) The ZIP or postal code for the street address.
 - **Country** (Required) The country for the street address.
 - **TelephoneList** (Required) A list of telephone number.
 - **Telephone** (Required) Telephone data is defined using one or more instances of this tag.
 - **Number** (Required) The telephone number. Format as needed.
 - **Code** The telephone code as defined by the **Valid Phone Codes** control maintenance record.
 - **Description** Free-form text field describing telephone number.

- **Title**.....Title for the contact.
- **EmailAddressList**.....List of email addresses.
 - **EmailAddress**.....(*Required*) Email address data is defined using one or more instances of this tag.
 - **(Attributes)**The following are the attributes for this tag.
 - **Type**Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref**.....Does the user want to receive emails in HTML format? Valid choices: HTML or PLAIN.
- **WebAddress**Web URL for the contact.
- **IsSuperuser**(*Required*) Is this contact a Superuser? This must be set to “Yes” in this context.
- **Login**.....(*Required*) Login information.
 - **LoginID**(*Required*) The login for the user.
 - **Password**(*Required*) The password for the user.
- StatusResult**(*Required*) This tag describes the status of the response side of this transaction.
 - **(Attributes)**.....The following are the attributes for this tag.
 - **Success**.....(*Required*) Was the transaction successful? Valid choices: yes or no.
 - **Description**(*Required*) Free-form text field describing the status.
 - **ErrorMessageList***A list of any errors encountered in the transaction.
 - **ErrorMessage**Description specific errors encountered are given in one or more of these tags.

* ErrorMessageList is required, if there are any errors, i.e., when Success is No

Example XML

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <EntityNewSubmitResponse>
    <SessionID>J1559738862</SessionID>
    <Entity>
      <EntityID>32132</EntityID>
      <EntityName>Charlie Quebec November 624</EntityName>
      <ShipToList>
        <EntityID>32132</EntityID>
      </ShipToList>
      <Address>
        <StreetLineOne>99876 Kilo Dr</StreetLineOne>
        <StreetLineTwo></StreetLineTwo>
        <City>Echo</City>
        <State>AL</State>
        <PostalCode>36801</PostalCode>
        <Country></Country>
      </Address>
      <ContactIDList>
        <ContactID>7269</ContactID>
      </ContactIDList>
      <ContactShortList>
        <ContactShort>
          <Description>Main</Description>
          <Telephone>
            <Number>249-668-9000</Number>
            <Code></Code>
            <Description></Description>
          </Telephone>
        </ContactShort>
        <ContactShort>
          <Description>Fax</Description>
          <Telephone>
            <Number>249-668-9001</Number>
            <Code></Code>
            <Description></Description>
          </Telephone>
        </ContactShort>
      </ContactShortList>
      <PriceClassList>
        <PriceClass BranchID="1">3</PriceClass>
        <PriceClass BranchID="2">4</PriceClass>
        <PriceClass BranchID="3">4</PriceClass>
        <PriceClass BranchID="4">2</PriceClass>
      </PriceClassList>
      <ECommerceIDList>
        <ECommerceID>BRAVO-ID1</ECommerceID>
        <ECommerceID>DELTA-ID2</ECommerceID>
        <ECommerceID>JULIET-ID3</ECommerceID>
      </ECommerceIDList>
      <TaxExemptCodeList>
        <TaxExemptCode>
          <Code>EXEMPT</Code>
          <City>BIRMINGHAM</City>
          <State>MI</State>
          <ExemptionNumber>87990838</ExemptionNumber>
          <Date>01/01/2005</Date>
        </TaxExemptCode>
        <TaxExemptCode>
          <Code>EXEMPT</Code>

```



```

        <County>MACOMB</County>
        <State>MI</State>
        <ExemptionNumber>87990839</ExemptionNumber>
        <Date>01/01/2005</Date>
    </TaxExemptCode>
</TaxExemptCodeList>
    <Credit Currency="US$" CreditLimit="50000000"
CreditAvailable="50000000" OrderEntryOK="Yes">
        <Description>Credit OK</Description>
    </Credit>
    <EmailAddressList>
        <EmailAddress Type="Business"
HTMLPref="HTML">tango@golf.com</EmailAddress>
    </EmailAddressList>
    <WebAddress>http://www.foxtrot.com/</WebAddress>
</Entity>
<Contact>
    <ContactID>7269</ContactID>
    <EntityID>32132</EntityID>
    <ContactName>
        <FirstName>Oscar</FirstName>
        <MiddleName>Mike</MiddleName>
        <LastName>November</LastName>
        <Salutation>Mr</Salutation>
    </ContactName>
    <Classification>Hotel Employee</Classification>
    <UseEntityAddress>No</UseEntityAddress>
    <Address>
        <StreetLineOne>114 Whiskey Blvd</StreetLineOne>
        <StreetLineTwo>Apt. 440</StreetLineTwo>
        <City>Sierra</City>
        <State>AL</State>
        <PostalCode>36801</PostalCode>
        <Country></Country>
    </Address>
    <TelephoneList>
        <Telephone>
            <Number>249-554-8955</Number>
            <Code></Code>
            <Description>Home</Description>
        </Telephone>
    </TelephoneList>
    <Title>President, CEO</Title>
    <EmailAddressList>
        <EmailAddress Type="Home"
HTMLPref="HTML">Yankee@india.com</EmailAddress>
    </EmailAddressList>
    <WebAddress>http://www.uniform.com/</WebAddress>
    <IsSuperuser>Yes</IsSuperuser>
    <Login>
        <LoginID>Lima</LoginID>
        <Password>xrayzulu</Password>
    </Login>
</Contact>
    <StatusResult Success="Yes">
        <Description>Entity information updated
successfully.</Description>
    </StatusResult>
</EntityNewSubmitResponse>
</IDMS-XML>

```

EntityUpdateSubmit

General

Purpose	This transaction is used to update Entities in the system
Request/Response	Request
Corresponding Transaction Tag	EntityUpdateSubmitResponse
Secure Transaction?	Yes
Security Details	Entity information only update in the system if the requesting contact is marked as a "Superuser" in "Contact WOE Parameters" and the requesting contact is related to the target entity

Field Summary

- Security** (Special) This is the standard *Security* tag, which can contain either a *Login* tag or a *SessionID* tag.
- **Login*** (Required) For the login type of *Security* tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
 - **SessionID*** (Required) Alternative to *Login* tag. You can use a pre-assigned session ID may be used.
- Entity** (Required) This is the Entity tag.
- **EntityID** (Required) This is the internal Eclipse ID for the entity to be updated.
 - **(Attributes)** The following are the attributes for this tag.
 - **New** Is this a new entity? **Note:** This attribute must be omitted.
 - **EntityName** (Required) The entity's name is defined using this tag.
 - **BillTo** The *BillTo* tag must be omitted; contact cannot "move" a Ship-To from one Bill-to to another, as the contact can only have access to one Bill-to.
 - **EntityID** (Required) The internal Eclipse of the target entity's *BillTo* "parent."
 - **Address** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) The first line of the street address.
 - **StreetLineTwo** (Required) The second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** (Required) The state for the street address.
 - **PostalCode** (Required) The ZIP or postal code for the street address.
 - **Country** (Required) The country for the street address.
 - **ContactShortList** "ContactShort" records or contacts that have only a little information about them and do not have actual contact records can be stored in the Entity record itself. The list of these pseudo-contacts is provided.
 - **ContactShort** (Required) Information about these pseudo-contact records is provided in one or more of these tags.
 - **Description** Description of this "ContactShort," such as John Smith or Main Fax.
 - **Telephone** Telephone number of this contact.
 - **Number** (Required) The telephone number. Format as needed.

- **Code**.....Telephone code. **Note:** This tag is ignored in this context.
- **Description**.....Free-form text field describing the telephone number.
- **CustomerTypeList**.....List of customer types is presented in this tag structure.
 - **CustomerType**..... *(Required)* Customer types are presented in one or more of these tags as defined in the **Valid Customer Types** control maintenance record.
- **PriceClassList**Customer's price classes for each branch.
 - **PriceClass**..... *(Required)* The price class for one branch.
 - **(Attributes)** *(Required)* The following are the attributes for this tag.
 - **BranchID**..... *(Required)* The branch ID for which the price class is being defined.
- **ECommercelDList**A list of alternate IDs that can be used to identify an entity.
 - **ECommercelD**..... *(Required)* One or more of these tags define the entity's ECommercelDs.
- **TaxExemptCodeList**....Entity's federal tax exempt codes are defined with this tag.
 - **TaxExemptCode**... *(Required)* Entity's federal tax exempt codes are defined in one or more of these tags.
 - **Code**..... *(Required)* The exemption code, such as EXEMPT.
 - **City or County**..... *(Special)* One of the other of these two tags may be given, or neither, but not both.
 - **State**..... *(Required)* State in which the exemption is located.
 - **ExemptionNumber** The exemption number.
 - **ExpirationDate** The date this exemption expires.
 - **Date**..... *(Required)* The actual date goes in a date tag.
- **EntityNoteList**.....A list of notes about the entity.
 - **EntityNote** *(Required)* One or more of these tags define the entity notes.
 - **Type** *(Required)* The type of note. Valid choices for customer entities: **User Defined Customer Notes** control maintenance record. **User Defined Vendor Notes** control maintenance record.
 - **Description** *(Required)* The text of the note.
- **CreditCardList**Credit card data for this entity is passed through this tag.
 - **CreditCard**..... *(Required)* One or more of these tags present the entity's credit card data.
 - **CreditCardType**..... *(Required)* The credit card type as defined in the CREDIT.CARD.DEFINITONS control record, Attribute 1.
 - **CreditCardNumber** *(Required)* The credit card number.
 - **ExpirationDate** *(Required)* The credit card's expiration date.
 - **Date**..... *(Required)* The date is placed in this tag.
 - **CardHolder** *(Required)* The card-holder's name.
 - **StreetAddress** *(Required)* The credit card holder's billing street address.
 - **PostalCode** *(Required)* The credit card holder's billing street address's ZIP or postal code.
 - **AuthType** The authorization method as defined in AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountld**..... *(Required)* The GUID generated by Element Payment Services that identifies the credit card on Element's server.
- **EmailAddressList**.....List of email addresses.
 - **EmailAddress** *(Required)* Email address data is defined using one or more instances of this tag.

- **(Attributes)** The following are the attributes for this tag.
 - **Type** Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref**..... Does the user want to receive emails in HTML format?
Valid choices: HTML or PLAIN.
- **WebAddress** Web URL for contact.

Note: If this transaction is submitted with the CreditCardList attribute empty, the system removes all credit cards from the entity on file.

* Either the Login or SessionID tag is required.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <EntityUpdateSubmit>
    <Security>
      <Login>
        <LoginID>Lima</LoginID>
        <Password>xrayzulu</Password>
      </Login>
    </Security>
    <Entity>
      <EntityID>32132</EntityID>
      <EntityName>Charlie Quebec November 624</EntityName>
      <Address>
        <StreetLineOne>665544 Kilo Dr</StreetLineOne>
        <StreetLineTwo/>
        <City>Echo</City>
        <State>AL</State>
        <PostalCode>36801</PostalCode>
        <Country>USA</Country>
      </Address>
      <ContactShortList>
        <ContactShort>
          <Description>Main</Description>
          <Telephone>
            <Number>249-668-9000</Number>
          </Telephone>
        </ContactShort>
        <ContactShort>
          <Description>Fax</Description>
          <Telephone>
            <Number>249-668-9001</Number>
          </Telephone>
        </ContactShort>
      </ContactShortList>
      <PriceClassList>
        <PriceClass BranchID="1">3</PriceClass>
        <PriceClass BranchID="2">4</PriceClass>
        <PriceClass BranchID="3">4</PriceClass>
        <PriceClass BranchID="4">2</PriceClass>
      </PriceClassList>
      <ECommerceIDList>
        <ECommerceID>BRAVO-ID1</ECommerceID>
        <ECommerceID>DELTA-ID2</ECommerceID>
        <ECommerceID>JULIET-ID3</ECommerceID>
      </ECommerceIDList>
      <TaxExemptCodeList>
```

```
<TaxExemptCode>
  <Code>EXEMPT</Code>
  <City>BIRMINGHAM</City>
  <State>MI</State>
  <ExemptionNumber>87990838</ExemptionNumber>
  <ExpirationDate>
    <Date>01/01/2005</Date>
  </ExpirationDate>
</TaxExemptCode>
<TaxExemptCode>
  <Code>EXEMPT</Code>
  <County>MACOMB</County>
  <State>MI</State>
  <ExemptionNumber>87990839</ExemptionNumber>
  <ExpirationDate>
    <Date>01/01/2005</Date>
  </ExpirationDate>
</TaxExemptCode>
</TaxExemptCodeList>
<EmailAddressList>
  <EmailAddress HTMLPref="HTML"
Type="Business">tango@golf.com</EmailAddress>
</EmailAddressList>
  <WebAddress>http://www.foxtrot.com/</WebAddress>
</Entity>
</EntityUpdateSubmit>
</IDMS-XML>
```

EntityUpdateSubmitResponse

General

Purpose	This transaction is used to confirm updates of Entities in the system
Request/Response	Response
Corresponding Transaction Tag	EntityUpdateSubmit
Secure Transaction?	Yes
Security Details	Entity information only update in the system if the requesting contact is marked as a "Superuser" in "Contact WOE Parameters" and the requesting contact is related to the target entity

Field Summary

SessionID The assigned session ID.

Entity (Required) This is the `Entity` tag.

- **EntityID** (Required) This is the internal Eclipse ID for the newly updated entity.
 - **(Attributes)** The following are the attributes for this tag.
 - **New** Is this a new entity? **Note:** This attribute is omitted.
- **EntityName** (Required) The updated entity's name is defined using this tag.
- **BillTo ..** (Special) The `BillTo` tag either contains an `EntityID` if this is a Ship-To being updated underneath this `BillTo`, or it is omitted if this is a `BillTo` itself.
 - **EntityID** (Required) The internal Eclipse ID of the target entity's `BillTo` "parent."
- **Address** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city of the street address.
 - **State** (Required) The state of the street address.
 - **PostalCode** (Required) The ZIP or postal code of the street address.
 - **Country** (Required) The country of the street address.
- **ContactShortList** "ContactShort" records or contacts that have only a little information about them and do not have actual contact records can be stored in the Entity record itself. This is the list of these pseudo-contacts.
 - **ContactShort** (Required) Information about these pseudo-contact records is provided in one or more of these tags.
 - **Description** (Required) Description of this "ContactShort," such as John Smith or Main Fax.
 - **Telephone.** (Required) Telephone number of this contact.
 - **Number** (Required) Free-form text field describing telephone number.
 - **Code** Telephone code. **Note:** This tag is ignored in this context.
 - **Description** Free-form text field describing telephone number.
- **CustomerTypeList** List of customer types is presented in this tag structure.
 - **CustomerType** Customer types are presented in one or more of these tags as defined in the **Valid Customer Types** control maintenance record.

- **PriceClassList**Customer's price classes for each branch.
 - **PriceClass**..... *(Required)* The price class for one branch.
 - **(Attributes)** *(Required)* The following are the attributes for this tag.
 - **BranchID**..... *(Required)* The BranchID for which the price class is being defined.
- **ECommerceIDList**A list of alternate IDs that can be used to identify an entity.
 - **ECommerceID**..... *(Required)* One or more of these tags define the entity's ECommerceIDs.
- **TaxExemptCodeList**.... *(Required)* Entity's federal tax exempt codes are defined with this tag.
 - **TaxExemptCode**... *(Required)* Entity's federal tax exempt codes are defined in one or more of these tags.
 - **Code**..... *(Required)* The exemption code, such as EXEMPT.
 - **City or County**..... *(Special)* One or the other of these two tags may be given, or neither, but not both.
 - **State** *(Required)* State in which the exemption is located.
 - **ExemptionNumber**..... The exemption number.
 - **ExpirationDate** The date this exemption expires.
 - **Date**..... *(Required)* The actual date goes in a date tag.
- **EntityNoteList**..... *(Required)* A list of notes about the entity.
 - **EntityNote** *(Required)* One or more of these tags define the entity notes.
 - **Type** *(Required)* The type of note. Valid choices for customer entities: **User Defined Customer Notes** control maintenance record. **User Defined Vendor Notes** control maintenance record.
 - **Description** *(Required)* The text of the note.
- **CreditCardList**Credit card data for this entity is passed through this tag.
 - **CreditCard**..... *(Required)* One or more of these tags present the entity's credit card data.
 - **CreditCardType**..... *(Required)* The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** *(Required)* The credit card number.
 - **ExpirationDate** *(Required)* The date that the credit card is no longer valid.
 - **Date**..... *(Required)* The current date is placed in this tag.
 - **CardHolder** *(Required)* The card-holder's name.
 - **StreetAddress** *(Required)* The credit card holder's billing address.
 - **PostalCode** *(Required)* The credit card holder's billing address's ZIP or postal code.
 - **AuthType** The authorization method as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountID** *(Required)* The GUID generated by Element Payment Services that identifies the credit card on Element's server.
- **EmailAddressList**.....List of email addresses.
 - **EmailAddress** *(Required)* Email address data is defined using one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type**Email address type as defined in the **Valid E-mail Types** control maintenance record.
 - **HTMLPref**..... Does the user want to receive emails in HTML format? Valid choices: HTML or PLAIN.

- **WebAddress**Web URL for contact.
- StatusResult** (Required) This tag describes the status of the response side of this transaction.
- **(Attributes)**.....The following are the attributes for this tag.
 - **Success**..... (Required) Was the transaction successful? Valid choices: yes or no.
- **Description** (Required) Free-form text field describing the status.
- **ErrorMessageList***A list of any errors encountered in the transaction.
 - **ErrorMessage** (Required) Description of specific errors encountered are given in one or more of these tags.

* ErrorMessageList is required, if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <EntityUpdateSubmitResponse>
    <SessionID>J6343423022</SessionID>
    <Entity>
      <EntityID>32132</EntityID>
      <EntityName>Charlie Quebec November 624</EntityName>
      <ShipToList>
        <EntityID>32132</EntityID>
      </ShipToList>
      <Address>
        <StreetLineOne>665544 Kilo Dr</StreetLineOne>
        <StreetLineTwo></StreetLineTwo>
        <City>Echo</City>
        <State>AL</State>
        <PostalCode>36801</PostalCode>
        <Country></Country>
      </Address>
      <ContactIDList>
        <ContactID>7269</ContactID>
      </ContactIDList>
      <ContactShortList>
        <ContactShort>
          <Description>Main</Description>
          <Telephone>
            <Number>249-668-9000</Number>
            <Code></Code>
            <Description></Description>
          </Telephone>
        </ContactShort>
        <ContactShort>
          <Description>Fax</Description>
          <Telephone>
            <Number>249-668-9001</Number>
            <Code></Code>
            <Description></Description>
          </Telephone>
        </ContactShort>
      </ContactShortList>
      <PriceClassList>
        <PriceClass BranchID="1">3</PriceClass>
        <PriceClass BranchID="2">4</PriceClass>
        <PriceClass BranchID="3">4</PriceClass>
        <PriceClass BranchID="4">2</PriceClass>
      </PriceClassList>
    </Entity>
  </EntityUpdateSubmitResponse>
</IDMS-XML>
```



```

    <ECommerceIDList>
      <ECommerceID>BRAVO-ID1</ECommerceID>
      <ECommerceID>DELTA-ID2</ECommerceID>
      <ECommerceID>JULIET-ID3</ECommerceID>
    </ECommerceIDList>
    <TaxExemptCodeList>
      <TaxExemptCode>
        <Code>EXEMPT</Code>
        <City>BIRMINGHAM</City>
        <State>MI</State>
        <ExemptionNumber>87990838</ExemptionNumber>
        <Date>01/01/2005</Date>
      </TaxExemptCode>
      <TaxExemptCode>
        <Code>EXEMPT</Code>
        <County>MACOMB</County>
        <State>MI</State>
        <ExemptionNumber>87990839</ExemptionNumber>
        <Date>01/01/2005</Date>
      </TaxExemptCode>
    </TaxExemptCodeList>
    <Credit Currency="US$" CreditLimit="50000000"
CreditAvailable="50000000" OrderEntryOK="Yes">
      <Description>Credit OK</Description>
    </Credit>
    <EmailAddressList>
      <EmailAddress Type="Business"
HTMLPref="HTML">tango@golf.com</EmailAddress>
    </EmailAddressList>
    <WebAddress>http://www.foxtrot.com/</WebAddress>
  </Entity>
  <StatusResult Success="Yes">
    <Description>Entity information updated
successfully.</Description>
  </StatusResult>
</EntityUpdateSubmitResponse>
</IDMS-XML>

```

LoginSubmit

General

Purpose	This transaction is used to initiate a session with the system and to get some basic information about the requesting user
Request/Response	Request
Corresponding Transaction Tag	LoginSubmitResponse
Secure Transaction?	Yes

Field Summary

Security (Required) This is the standard Security tag, which can contain either a Login tag or a SessionID tag.

- **Login** (Required) For the login type of Security tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <LoginSubmit>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
  </LoginSubmit>
</IDMS-XML>
```

LoginSubmitResponse

General

Purpose	This transaction is used to return a session ID and some basic information about the requesting user
Request/Response	Response
Corresponding Transaction Tag	LoginSubmit
Secure Transaction?	Yes
Security Details	Contact information only return if requesting contact is related through entity to the requested contact

Field Summary

SessionID The assigned session ID.

ContactID The contact to which this user is attached.

EntityID The entity to which this user is attached.

StatusResult *(Required)* The tag describes the status of the response side of this transaction.

→ **(Attributes)** The following are the attributes for this tag.

→ **Success** *(Required)* Was the transaction successful? Valid choices: yes or no.

→ **Description** *(Required)* Free-form text field describing the status.

→ **ErrorMessageList*** A list of any errors encountered in the transaction.

→ **ErrorMessage** *(Required)* Description specific errors encountered are given in one or more of these tags.

* ErrorMessageList is required, if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <LoginSubmitResponse>
    <SessionID>J1226084904</SessionID>
    <ContactID>20572</ContactID>
    <EntityID>1948</EntityID>
    <StatusResult Success="Yes">
      <Description>Login Successful.</Description>
    </StatusResult>
  </LoginSubmitResponse>
</IDMS-XML>
```

LogoutSubmit

General

Purpose	This transaction is used to end a session with the system
Request/Response	Request
Corresponding Transaction Tag	LogoutSubmitResponse
Secure Transaction?	Yes

Field Summary

Security (Required) This is the standard Security tag, which can contain either a Login tag or a SessionID tag.

- **Login**..... (Required) For the login type of Security tag.
 - **LoginID**..... (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <LogoutSubmit>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
  </LogoutSubmit>
</IDMS-XML>
```

LogoutSubmitResponse

General

Purpose	This transaction is used to end a session with the system
Request/Response	Response
Corresponding Transaction Tag	LogoutSubmit
Secure Transaction?	Yes

Field Summary

StatusResult This tag describes the status of the response side of this transaction.

→ **(Attributes)**..... The following are the attributes for this tag.

→ **Success**..... *(Required)* Was the transaction successful? Valid choices: yes or no.

→ **Description** *(Required)* Free-form text field describing the status.

→ **ErrorMessageList*** A list of any errors encountered in the transaction.

→ **ErrorMessage** *(Required)* Description specific errors encountered are given in one or more of these tags.

* ErrorMessageList is required, if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <LoginSubmitResponse>
    <SessionID>J1226084904</SessionID>
    <ContactID>20572</ContactID>
    <EntityID>1948</EntityID>
    <StatusResult Success="Yes">
      <Description>Login Successful.</Description>
    </StatusResult>
  </LoginSubmitResponse>
</IDMS-XML>
```

LostLoginInquiry

General

Purpose	This transaction is used to retrieve a lost login
Request/Response	Request
Corresponding Transaction Tag	LostLoginInquiryResponse
Secure Transaction?	No

Field Summary

EmailAddress (Required) This is the EmailAddress for the contact whose login is being requested.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <LostLoginInquiry>
    <EmailAddress>john_doe@activant.com</EmailAddress>
  </LostLoginInquiry>
</IDMS-XML>
```

LostLoginInquiryResponse

General

Purpose	This transaction is used to retrieve a lost login
Request/Response	Response
Corresponding Transaction Tag	LostLoginInquiry
Secure Transaction?	No

Field Summary

EmailAddress If the email address given in the request was found attached to one contact, then the login information has been emailed to the address given in this tag.

StatusResult *(Required)* This tag describes the status of the response side of this transaction.

→ **(Attributes)**..... The following are the attributes for this tag.

→ **Success**..... *(Required)* Was the transaction successful? Valid choices: yes or no.

→ **Description** *(Required)* Free-form text field describing the status.

→ **ErrorMessageList*** A list of any errors encountered in the transaction.

→ **ErrorMessage** *(Required)* Description specific errors encountered are given in one or more of these tags.

* ErrorMessageList is required, if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <LostLoginInquiryResponse>
    <EmailAddress>john_doe@activant.com</EmailAddress>
    <StatusResult Success="Yes">
      <Description>Login Inquiry Successful. Your login and password
have been emailed to you at john_doe@activant.com</Description>
    </StatusResult>
  </LostLoginInquiryResponse>
</IDMS-XML>
```

MassProductInquiry

General

Purpose	This transaction is used to request information about multiple products from the system
Request/Response	Request
Corresponding Transaction Tag	MassProductInquiryResponse
Secure Transaction?	Yes

Field Summary

Security (Required) This is the standard `Security` tag, which can contain either a `Login` tag or a `SessionID` tag.

- **Login*** (Required) For the login type of `Security` tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to `Login` tag. You can use a pre-assigned session ID may be used.

PartIdentifiersList..... This tag contains one or more `PartIdentifiers` tag(s). **Important:** This request must have either a `PartIdentifiersList` or a `SearchString` to identify which products are being requested. You cannot use both.

- **PartIdentifiers** (Required) This tag is used to identify or find the product in question.
 - **EclipsePartNumber** This is the internal Eclipse part number for this product.
 - **UPCList** This is a list of universal product codes (UPCs).
 - **UPC** (Required) One or more UPC codes for this product.
 - **(Attributes)** The following are the attributes for this tag.
 - **PrimaryUPC**.... Is this UPC the primary UPC? Valid choices: yes or no.
 - **CatalogNumber** The catalog number for this item.
 - **ProductKeywords** Any keywords that can be used to search for the product. Separate keywords by spaces.
 - **Description** A description that can be used to search for the product in question.
 - **AlternateDescription**... The product's alternate description, as define in Product Maintenance. Use the **Ades** (Alt-S) hot key.
 - **CustomerPartNumberList** A list of customer part numbers.
 - **CustomerPartNumber** One or more customer part numbers.
 - **IncludeNotes**..... The product notes associated with a product. Valid choices: yes or no. **Note:** If the product notes include a <or> you receive an error.
 - **IncludeReminderNotes** The order entry reminder notes for a product. Valid choices: yes or no. **Note:** If the product notes include a <or> you receive an error.
 - **IncludeSubstitutes** The substitute of the original product, if the original is unavailable.
 - **EclipsePartNumber** This is the internal Eclipse part number for this product.

- SearchString**.....This is a string that the system uses to search for products to be returned.
Important: This request must have either a `PartIdentifiersList` or a `SearchString` to identify which products are being requested. You cannot use both.
- **EntityID**.....A tag to specify an entity the system uses in calculating pricing and availability date if you want an entity other than the default requesting the contacts attached to be used. Any entity specified in this field must be related to the requesting contact. **Important:** Neither this tag nor the `ECommerceID` tag is required. However, if you one tag in this pair is used, then the other cannot be used. They are mutually exclusive.
 - **ECommerceID**.....A tag to specify an entity the system uses in calculating pricing and availability date if you want an entity other than the default requesting the contacts attached to be used. Any entity specified in this field must be related to the requesting contact. **Important:** Neither this tag nor the `EntityID` tag is required. However, if you one tag in this pair is used, then the other cannot be used. They are mutually exclusive.
 - **SortBy**Used to specify the order in which the product should be returned. Valid choices: *Description, Price, PriceLine, BuyLine, and Amount Available*. Default: If `PartIdentifiersList` tag is used for the request, then the order the products were requested will be preserved in the response. If `SearchString` is used for the request, then the returned products are sorted by *Description*. If sorted by *Availability*, the system sorts in descending order with zero (0) available listed last.
 - **CalculatePriceData**.....Flag to indicate whether pricing data should be calculated. Skipping price data calculate improves the response time of this transaction. Valid choices: yes or no. Default: no.
 - **CalculateAvailabilityData**Flag to indicate whether availability data should be calculated. Skipping the availability data calculation improves the response time of this transaction. Valid choices: yes or no. Default: no.
 - **StartIndex**.....If specified, then the results found are not all returned; the returned results start at the number defined in this tag. The `StartIndex` of the first result is zero (0), and this is the default value of `StartIndex`.
 - **MaxResults**The maximum number of results to return. Default: Return all results.
 - **IncludeClassificationData**Indicates to the processor to include `ClassificationDataList` tag in responses. Valid choices: yes or no. Default: no.
 - **IncludeEclipseImagingData**Indicates to the processor to include `EclipseImagingItemList` tag in responses. Valid choices: yes or no. Default: no.
 - **IncludeExtendedProductData**Indicates to the processor to include `EclipseProductData` tag in responses. Valid choices: yes or no. Default: no.
 - **IncludeExternalReferenceData**Indicates to the processor to include `ExternalReferenceItemList` tag in responses. Valid choices: yes or no. Default is no.
 - **IncludeKitData**Instructs processor to include `KitData` tag in responses. Valid choices: yes or no. Default: no.

* Either the `Login` or `SessionID` tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <MassProductInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
    <PartIdentifiersList>
      <PartIdentifiers>
        <EclipsePartNumber>504252</EclipsePartNumber>
      </PartIdentifiers>
      <PartIdentifiers>
        <EclipsePartNumber>504254</EclipsePartNumber>
      </PartIdentifiers>
      <PartIdentifiers>
        <EclipsePartNumber>504262</EclipsePartNumber>
      </PartIdentifiers>
      <PartIdentifiers>
        <EclipsePartNumber>504253</EclipsePartNumber>
      </PartIdentifiers>
      <PartIdentifiers>
        <EclipsePartNumber>504263</EclipsePartNumber>
      </PartIdentifiers>
      <PartIdentifiers>
        <EclipsePartNumber>504264</EclipsePartNumber>
      </PartIdentifiers>
    </PartIdentifiersList>
  </MassProductInquiry>
</IDMS-XML>
```

MassProductInquiryResponse

General

Purpose	This transaction is used to return information about multiple products from the system
Request/Response	Response
Corresponding Transaction Tag	MassProductInquiry
Secure Transaction?	Yes

Field Summary

SessionID The assigned session ID.

ProductList This contains one or more `Product` tags.

- **Product** The information requested about the product in question is given by this tag, if the product was found.
 - **Description** A description that can be used to search for the product in question.
 - **AlternateDescription** The product's alternate description, as define in Product Maintenance. Use the **Ades** (Alt-S) hot key.
 - **PartIdentifiers** *(Required)* This tag is used to identify or find the product in question.
 - **EclipsePartNumber** This is the internal Eclipse part number for this product.
 - **Description** A description that can be used to search for the product in question.
- **AvailabilityList** *(Required)* The product's availability is given using this tag.
 - **BranchAvailability** *(Required)* The availability in each branch is given using one or more of these tags.
 - **Branch** *(Required)* The branch for this availability item.
 - **BranchID** *(Required)* The internal Eclipse ID for this branch
 - **BranchName** *(Required)* The branch's name.
 - **Address** The branch's address is omitted in this context.
 - **Entity** The branch's full `Entity` tag is also omitted in this context.
 - **NowQuantity** *(Required)* The quantity that is available now is given.
 - **Quantity** *(Required)* The actual quantity is given with this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **UOM** The unit of measure that the product quantity is in.
 - **UMQT** The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that is matches the value stored for the given UOM.
 - **EarliestMoreDate** *(Required)* The nearest date that more of this product is available.
 - **Date** *(Required)* The current date.
 - **EarliestMoreQty** *(Required)* The amount that is available on the date specified by `EarliestMoreDate`.

- **Quantity** (Required) The actual quantity is given with this tag.
- **(Attributes)** The following are the attributes for this tag.
 - **UOM** (Required) The unit of measure that the product quantity is in.
 - **UMQT** The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that it matches the value stored for the given UOM.
- **PlentyDate** (Required) The date on which any amount can be gotten.
 - **Date** (Required) The actual date.
- **StockQuantityOnOrder** The total number of product on future purchase orders that are **not** tagged to specific orders in the system as listed in the Future Ledger from Product Maintenance.
- **TaggedQuantityOnOrder** .. The total number of product on further purchase orders and are tagged to specific sales orders in the system as listed in the Future Ledger from Product Maintenance.
- **ProjectedInventoryLevel**... The projected inventory level of the product for this branch as of the date when the transaction is submitted.

UnfilteredProductResult..... The total number of products that match the search criteria.

StartIndex..... The first product for which to return the results.

MaxResults The number of results to display. Use in conjunction with SmartIndex to paginate the information results, such as 20 responses at a time.

StatusResult (Required) This tag describes the status of the response side of this transaction.

- **(Attributes)**..... The following are the attributes for this tag.
 - **Success**..... (Required) Was the transaction successful? Valid choices: yes or no.
 - **Description** (Required) Free-form text field describing the status.
 - **ErrorMessageList**** A list of any errors encountered in the transaction.
 - **ErrorMessage** (Required) Description specific errors encountered are given in one or more of these tags.

* Address tag is only required if UseEntityAddress tag is set to No

** ErrorMessageList is required, if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <MassProductInquiryResponse>
    <SessionID>J1042578504</SessionID>
    <Product>
      <Description>American DJ Pro Scratch1 CD Player</Description>
      <PartIdentifiers>
        <EclipsePartNumber>504252</EclipsePartNumber>
        <ProductKeywords>American DJ Pro Scratch1 CD
Player</ProductKeywords>
        <Description>American DJ Pro Scratch1 CD Player</Description>
      </PartIdentifiers>
      <UOMList>
        <UOM UMQT="1">ea</UOM>
      </UOMList>
      <Volume Unit="EA">0.0000</Volume>
    </Product>
  </MassProductInquiryResponse>
</IDMS-XML>
```

```

        <Weight Unit="lbs">0.0000</Weight>
        <BuyLine>TECHNO</BuyLine>
        <PriceLine>TECHNO</PriceLine>
    </Product>
    <Product>
        <Description>Roland DJ-2000 DJ Mixer</Description>
        <PartIdentifiers>
            <EclipsePartNumber>504254</EclipsePartNumber>
            <ProductKeywords>Roland DJ-2000 DJ Mixer Two Channels
Stereo</ProductKeywords>
        <Description>Roland DJ-2000 DJ Mixer</Description>
        </PartIdentifiers>
        <UOMList>
            <UOM UMQT="1">ea</UOM>
        </UOMList>
        <Volume Unit="EA">0.0000</Volume>
        <Weight Unit="lbs">0.0000</Weight>
        <BuyLine>TECHNO</BuyLine>
        <PriceLine>TECHNO</PriceLine>
    </Product>
    <Product>
        <Description>Sony MDR-V700DJ Headphones</Description>
        <PartIdentifiers>
            <EclipsePartNumber>504262</EclipsePartNumber>
            <ProductKeywords>Sony MDR-V700DJ DJ
Headphones</ProductKeywords>
        <Description>Sony MDR-V700DJ Headphones</Description>
        </PartIdentifiers>
        <UOMList>
            <UOM UMQT="1">ea</UOM>
        </UOMList>
        <Volume Unit="EA">0.0000</Volume>
        <Weight Unit="lbs">0.0000</Weight>
        <BuyLine>TECHNO</BuyLine>
        <PriceLine>TECHNO</PriceLine>
    </Product>
    <Product>
        <Description>Technics SL1200-MK2 Turntable</Description>
        <PartIdentifiers>
            <EclipsePartNumber>504253</EclipsePartNumber>
            <UPCList>
                <UPC PrimaryUPC="Yes">38593872748</UPC>
                <UPC PrimaryUPC="No">87583049280</UPC>
                <UPC PrimaryUPC="No">93939384393</UPC>
            </UPCList>
            <CatalogNumber>99211989227</CatalogNumber>
            <ProductKeywords>Technics SL1200-MK2 Turntable DJ Record
Player</ProductKeywords>
        <Description>Technics SL1200-MK2 Turntable</Description>
        </PartIdentifiers>
        <UOMList>
            <UOM UMQT="1">ea</UOM>
        </UOMList>
        <Volume Unit="EA">0.0000</Volume>
        <Weight Unit="lbs">0.0000</Weight>
        <BuyLine>TECHNO</BuyLine>
        <PriceLine>TECHNO</PriceLine>
    </Product>
    <Product>
        <Description>JBL MP418SP 18" Powered Subwoofer</Description>
        <PartIdentifiers>
            <EclipsePartNumber>504263</EclipsePartNumber>
            <Description>JBL MP418SP 18" Powered Subwoofer</Description>
        </PartIdentifiers>

```

```

        <UOMList>
          <UOM UMQT="1">ea</UOM>
        </UOMList>
        <Volume Unit="EA">0.0000</Volume>
        <Weight Unit="lbs">0.0000</Weight>
        <BuyLine>TECHNO</BuyLine>
        <PriceLine>TECHNO</PriceLine>
      </Product>
    </Product>
    <Description>Electro-Voice Eliminator kW High-Output
Subwoofer</Description>
    <PartIdentifiers>
      <EclipsePartNumber>504264</EclipsePartNumber>
      <Description>Electro-Voice Eliminator kW High-Output
Subwoofer</Description>
    </PartIdentifiers>
    <UOMList>
      <UOM UMQT="1">ea</UOM>
    </UOMList>
    <Volume Unit="EA">0.0000</Volume>
    <Weight Unit="lbs">0.0000</Weight>
    <BuyLine>TECHNO</BuyLine>
    <PriceLine>TECHNO</PriceLine>
  </Product>
  <UnfilteredProductCount>92</UnfilteredProductCount>
  <StatusResult Success="Yes">
    <Description>Mass Product Information retrieved
successfully.</Description>
  </StatusResult>
</MassProductInquiryResponse>
</IDMS-XML>

```

OpenOrderInquiry

General

Purpose	This transaction is used to retrieve data about an entity's current orders
Request/Response	Request
Corresponding Transaction Tag	OpenOrderInquiryResponse
Secure Transaction?	Yes
Security Details	Order information only returned if the requesting contact is both related to the target entity and is also marked as a "Superuser"

Field Summary

Security (Required) This is the standard `Security` tag, which can contain either a `Login` tag or a `SessionID` tag.

- **Login*** (Required) For the login type of `Security` tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to `Login` tag. You can use a pre-assigned session ID may be used.

EntityID The entity ID for the account being queried. If this is omitted, then the requesting user's entity is used.

ShipDateRange This tag can be used to limit the query to a specific date range, returning only orders shipped in this range. **Important:** You can use this tag or the `OrderDateRange` tag. You cannot use both.

- **StartDate** (Required) Return only orders after this date.
 - **Date** (Required) The current date.
- **EndDate** (Required) Return only orders before this date.
 - **Date** (Required) The current date.

OrderDateRange Use this tag to limit the query to a specific date range, returning only orders placed in this range. **Important:** You can use this tag or the `ShipDateRange` tag. You cannot use both.

- **StartDate** (Required) Return only orders after this date.
 - **Date** (Required) The current date.
- **EndDate** (Required) Return only orders before this date.
 - **Date** (Required) The current date.

SearchString A search string may be included to further narrow the orders returned. The search is performed on the Eclipse OID, such as S1234567, the customer PO defined when the order was created, and the customer release number.

* Either the `Login` or `SessionID` tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
```

```
<OpenOrderInquiry>
  <Security>
    <Login>
      <LoginID>ECLIPSE</LoginID>
      <Password>TEST</Password>
    </Login>
  </Security>
  <EntityID>1948</EntityID>
  <OrderDateRange>
    <StartDate>
      <Date>5/26/2003</Date>
    </StartDate>
    <EndDate>
      <Date>5/30/2003</Date>
    </EndDate>
  </OrderDateRange>
  <OpenOrderInquiry>
</IDMS-XML>
```


OpenOrderInquiryResponse

General

Purpose	This transaction is used to retrieve data about an entity's current orders
Request/Response	Response
Corresponding Transaction Tag	OpenOrderInquiry
Secure Transaction?	Yes
Security Details	Order information only returned if the requesting contact is both related to the target entity and is also marked as a "Superuser"

Field Summary

SessionID The assigned session ID.

OpenOrderItemList *(Required)* The list of orders queried is returned in this tag, if no errors are encountered.

→ **OpenOrderItem** *(Required)* One or more instance of this tag describes each of the orders queried.

→ **OrderID** *(Required)* The order ID for this time.

→ **GenerationID**... *(Required)* The generation ID indicating which "part" of OrderID's order.

→ **OrderStatus** The status of the order as defined in the SOE.STATUS control record, Attribute 1.

→ **(Attributes)** The following are the attributes for this tag.

→ **Code**..... *(Required)* The order status code as defined in SOE.STATUS control record, Attribute 2.

→ **CustomerPO** ... The customer PO for this order, if one exists.

→ **CustomerReleaseNumber** The customer release number for this order, if any.

→ **Description** *(Required)* A brief description of this item's status.

→ **BranchID** *(Required)* This item's branch.

→ **OrderDate**..... *(Required)* The order's initial order date. This is only included for open orders and bid.

→ **Date** *(Required)* The actual date.

→ **ShipDate**..... *(Required)* The order's shipping date. This is only included for open orders and bids.

→ **Date** *(Required)* The actual date.

→ **ShipTo** *(Required)* The order's ship-to entity. This is only included for open orders and bids.

→ **EntityName** *(Required)* The name of the ship-to entity.

→ **EntityID** *(Required)* The entity ID of the ship-to entity.

→ **ShippingInformation** ... Information about shipping details.

→ **EntityName** *(Required)* The name of the entity to which the order is being shipped.

→ **ShipmentList**..... ShippingIDs / Tracking numbers are given in this list.

→ **Shipment** *(Required)* The shipment data is given in one or more of these tags.

- **ShippingID**..... (Required) The shipping ID / tracking number.
- **Courier** (Required) The courier for this shipping ID / tracking number.
- **Address** (Required) The shipping address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city of the street address.
 - **State** (Required) The state of the street address.
 - **PostalCode** (Required) The ZIP or postal code of the street address.
 - **Country** (Required) The country of the street address.
- **ShipVia**..... The shipment method is given using this tag.
 - **ShipViaID** (Required) The internal Eclipse ID of this ship via method.
 - **Description** Additional description of this ship via method.
- **Instructions** (Required) Any instructions for the shipment.
- **Discount** Discount information, if any.
 - **ROEDiscount** The customer's automatic ROE Discount.
 - **CashDiscount** Any cash discount made available by these terms.
- **Amount** (Required) The order's total charge as of the inquiry.
- StatusResult** (Required) This tag describes the status of the response side of this transaction.
 - **(Attributes)** The following are the attributes for this tag.
 - **Success** (Required) Was the transaction successful? Valid choices: yes or no.
 - **Description** (Required) Free-form text field describing the status.
 - **ErrorMessageList*** A list of any errors encountered in the transaction.
 - **ErrorMessage** (Required) Description specific errors encountered are given in one or more of these tags.

* ErrorMessageList is required, if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <OpenOrderInquiryResponse>
    <SessionID>J1727778294</SessionID>
    <OpenOrderItemList>
      <OpenOrderItem>
        <OrderID>S1390108</OrderID>
        <GenerationID>2</GenerationID>
        <Description>In-Process</Description>
        <BranchID>2</BranchID>
        <OrderDate>
          <Date>05/30/2003</Date>
        </OrderDate>
        <ShipDate>
          <Date>06/02/2003</Date>
        </ShipDate>
        <ShipTo>
          <EntityName>Eclipse, Inc. Test Customer</EntityName>
          <EntityID>1948</EntityID>
        </ShipTo>
        <Amount>1223.99</Amount>
      </OpenOrderItem>
    </OpenOrderItemList>
  </OpenOrderInquiryResponse>
</IDMS-XML>
```

```

    </OpenOrderItem>
    <OpenOrderItem>
      <OrderID>S1389763</OrderID>
      <GenerationID>8</GenerationID>
      <Description>In-Process</Description>
      <BranchID>1</BranchID>
      <OrderDate>
        <Date>05/26/2003</Date>
      </OrderDate>
      <ShipDate>
        <Date>05/26/2003</Date>
      </ShipDate>
      <ShipTo>
        <EntityName>Eclipse, Inc. Test Customer</EntityName>
        <EntityID>1948</EntityID>
      </ShipTo>
      <Amount>1411.81</Amount>
    </OpenOrderItem>
    <OpenOrderItem>
      <OrderID>S1389763</OrderID>
      <GenerationID>7</GenerationID>
      <Description>In-Process</Description>
      <BranchID>3</BranchID>
      <OrderDate>
        <Date>05/26/2003</Date>
      </OrderDate>
      <ShipDate>
        <Date>05/26/2003</Date>
      </ShipDate>
      <ShipTo>
        <EntityName>Eclipse, Inc. Test Customer</EntityName>
        <EntityID>1948</EntityID>
      </ShipTo>
      <Amount>1390.96</Amount>
    </OpenOrderItem>
  </OpenOrderItemList>
  <StatusResult Success="Yes">
    <Description>Open Order Information retrieved
successfully.</Description>
  </StatusResult>
</OpenOrderInquiryResponse>
</IDMS-XML>

```

ProductFamilyInquiry

General

Purpose	This transaction is used to request information about a Product Family.
Request/Response	Request
Corresponding Transaction Tag	ProductFamilyInquiryResponse
Secure Transaction?	Yes

Field Summary

Security (Required) This is the standard `Security` tag, which can contain either a `Login` tag or a `SessionID` tag.

- **Login*** (Required) For the login type of the `Security` tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to `Login` tag. You can use a pre-assigned session ID may be used.

FamilyID (Required) The family for which information is being requested.

- **IncludeProductDescription** Flag to indicate if you want to list all products included in the Price Line / Buy Line data returned in the product family. Valid choices: yes or no.

CalculatePriceData Flag to indicate whether pricing data is calculated. Skipping a price data calculation improves the response time of this transaction. Valid choices: yes or no.

IncludeEclipseImagingData ... Indicates to the processor to include `EclipseImagingItemList` tag in responses. Valid choices: yes or no. Default is no.

* Either the `Login` or `SessionID` tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ProductFamilyInquiry>
    <Security>
      <Login>
        <LoginID>ZEUS</LoginID>
        <Password>ZEUS</Password>
      </Login>
    </Security>
    <FamilyID>RAVER</FamilyID>
  </ProductFamilyInquiry>
</IDMS-XML>
```

ProductFamilyInquiryResponse

General

Purpose	This transaction is used to request information about a Product Family.
Request/Response	Response
Corresponding Transaction Tag	ProductFamilyInquiry
Secure Transaction?	Yes

Field Summary

SessionID The assigned session ID.

Description The description for this product family.

EclipsePartNumberList..... The list of Eclipse part numbers in this family.

→ **EclipsePartNumber** (Required) At least one Eclipse part number.

ProductFamilyList..... The list of families under this family.

→ **ProductFamily** (Required) At least on product family.

→ **FamilyID** (Required) The ID for this family.

→ **Description** (Required) The description for this family.

LineList..... (Required) The family's buy line(s) and/or price line(s).

→ **PriceLine*** A price line.

→ **BuyLine*** A buy line.

ProductKeywordsList (Required) A list of product keywords associated with this family.

→ **ProductKeywords** (Required) At least one of these tags present product key words.

StatusResult (Required) This tag describes the status of the response side of this transaction.

→ **(Attributes)**..... (Required) The following are the attributes for this tag.

→ **Success**..... (Required) Was the transaction successful? Valid choices: yes or no.

→ **Description** (Required) Free-form text field describing the status.

→ **ErrorMessageList**** A list of any errors encountered in the transaction.

→ **ErrorMessage** (Required) Description specific errors encountered are given in one or more of these tags.

* Multiple Buy Lines and Price Lines may be mixed in any order here.

** ErrorMessageList is required, if there are any errors, such as when Success is No.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ProductFamilyInquiryResponse>
    <SessionID>J2723759281</SessionID>
    <EclipsePartNumberList>
      <EclipsePartNumber>410638</EclipsePartNumber>
      <EclipsePartNumber>410645</EclipsePartNumber>
      <EclipsePartNumber>410646</EclipsePartNumber>
      <EclipsePartNumber>410648</EclipsePartNumber>
    </EclipsePartNumberList>
  </ProductFamilyInquiryResponse>
</IDMS-XML>
```

```
<EclipsePartNumber>410649</EclipsePartNumber>
<EclipsePartNumber>410650</EclipsePartNumber>
<EclipsePartNumber>410651</EclipsePartNumber>
<EclipsePartNumber>410652</EclipsePartNumber>
</EclipsePartNumberList>
<ProductFamilyList>
  <ProductFamily>
    <FamilyID>CARLY</FamilyID>
    <Description>carly's family</Description>
  </ProductFamily>
  <ProductFamily>
    <FamilyID>DJ</FamilyID>
    <Description>DJ Equipment</Description>
  </ProductFamily>
</ProductFamilyList>
<LineList>
  <PriceLine>CRWEAR</PriceLine>
  <PriceLine>RAV</PriceLine>
</LineList>
<ProductKeywordsList>
  <ProductKeywords>BLUE NUT</ProductKeywords>
  <ProductKeywords>GREEN WIRE</ProductKeywords>
</ProductKeywordsList>
<StatusResult Success="Yes">
  <Description>Product Family Information retrieved
successfully.</Description>
</StatusResult>
</ProductFamilyInquiryResponse>
</IDMS-XML>
```

ProductNewSubmit

General

Purpose	This transaction is used to submit new products from the system.
Request/Response	Request
Corresponding Transaction Tag	ProductNewSubmit
Secure Transaction?	Yes

Field Summary

Note: For all fields not marked required, if they are not populated, the product defined in the control file "New IDMS-XML Product Template" is used for default values.

- Security**(Required) This is the standard *Security* tag, which can contain either a Login tag for a SessionID tag.
- **Login***(Required) For the login type of *Security* tag.
 - **LoginID**.....(Required) This is the login for the requesting user.
 - **Password**(Required) This is the password for the requesting user.
 - **EntityID**.....The *EntityID* related to the product created.
 - **ProductID**(Required) The name for the new product.
 - **(Attributes)**.....The following are attributes for this tag.
 - **New**The name of the product. Attribute "new" must be submitted to create a new product.
 - **DescriptionLine1**The first line of the description for the new product.
 - **DescriptionLine2**..The second line of the description for the the new product.
 - **AlternateDescription**...Any alternate description in the product file.
 - **ProductType**The type of product as listed in the product file.
 - **StockStatus**The stock status for the product, such as stock or nonstock.
 - **StockType**The index type for the product, such as primary or catalog. Primary indicates the system searches for the product in initial searches of the product file. Catalog indicates the system only looks for the product in secondary searches.
 - **UOMList**The list of valid units of measure (UOM) for this product.
 - **UOM**Valid UOMs for this product are given by one or more instances of this tag.
 - **(Attributes)**The following are attributes for this tag.
 - **UMQT**The number of unites in one instance of UOM. For example, if UOM is dz then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that is matches the value stored for the given UOM.
 - **PriceLine**The product's price line.
 - **BuyLine**The product's buy line.
 - **Weight**The weight of one of this item.
 - **UniformProductCode**..The UPC (uniform product code) attached to the product.
 - **Length**The product length.
 - **Width**The product width.

- **Depth**The product depth.
- **ListPrice** (*Required*) The list price for one unit of this item being ordered.
- **COGSCost**..... (*Required*) The cost of good sold (COGS) cost.

ProductNewResponse

General

Purpose	This transaction is used to request information about new products from the system
Request/Response	Request
Corresponding Transaction Tag	ProductNewResponse
Secure Transaction?	Yes

Field Summary

SessionID The assigned session ID.

ProductID *(Required)*

- **DescriptionLine1** The first line of the description for the new product.
- **DescriptionLine2** The second line of the description for the new product.
- **AlternateDescription**... The product's alternate description as defined in Product Maintenance.
- **ProductType** The type of product as listed in the product file.
- **StockStatus** The stock status for the product, such as stock or nonstock.
- **StockType** The index type for the product, such as primary or catalog. Primary indicates the system searches for the product in initial searches of the product file. Catalog indicates the system only looks for the product in secondary searches.
- **PriceLine** The product's price line.
- **BuyLine** The product's buy line.
- **Weight** The product's weight.
- **UniformProductCode**.. The UPC (uniform product code) attached to the product.
- **Length** The product length.
- **Width** The product width.
- **Depth** The product depth.
- **ListPrice** *(Required)* The list price for one unit of this item being ordered.
- **COGSCost**..... *(Required)* The cost of good sold (COGS) cost.
- **StatusResult** *(Required)* The tag describes the status of the response side of this transaction.
 - **(Attributes)**..... The following are the attributes for this tag.
 - **Success** *(Required)* Was the transaction successful? Valid choices: yes or no.
 - **Description** *(Required)* Free-form text field describing the status.

ProductInquiry

General

Purpose	This transaction is used to request information about a product from the system
Request/Response	Request
Corresponding Transaction Tag	ProductInquiryResponse
Secure Transaction?	Yes

Field Summary

Security (Required) This is the standard **Security** tag, which can contain either a **Login** tag or a **SessionID** tag.

- **Login*** (Required) For the login type of **Security** tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to **Login** tag. You can use a pre-assigned session ID may be used.

PartIdentifiers (Required) This tag is used to identify or find the product in question.

- **EclipsePartNumber** This is the internal Eclipse part number for this product.
- **UPCList** This is a list of universal product codes (UPC).
 - **UPC** (Required) One or more UPC Codes for this product.
 - **(Attributes)** The following are the attributes for this tag.
 - **PrimaryUPC** Is this UPC the primary UPC? Valid choices: yes or no.
- **CatalogNumber** The catalog number for this item.
- **ProductKeywords** Any keywords that can be used to search for the product. Separate each keyword by a space.
- **Description** A description that can be used to search for the product.
- **AlternateDescription** ... The product's alternate description as defined in Product Maintenance. Use the **Ades** (Alt-S) hot key.
- **CustomerPartNumberList** A list of customer part numbers.
 - **CustomerPartNumber** One or more customer part numbers.
- **IncludeNotes** The product notes associated with a product. Valid choices: yes or no. **Note:** If the product notes include a <or>, you receive an error.
- **IncludeReminderNotes** The order entry reminder notes for a product. Valid choices: yes or no.
- **IncludeSubstitutes** The substitute of the original product. Substitute only return if the branch matches the customer's home branch or is set to ALL.
 - **EclipsePartNumber** This is the internal Eclipse part number for this product.
- **IncludeClassificationData** Indicates to the processor to include **ClassificationDataList** tag in response. Valid choices: yes or no. Default: no.
- **IncludeEclipseImagingData** Indicates to the processor to include **EclipseImagingItemList** tag in response. Valid choices: yes or no. Default: no.

- **IncludeExtendedProductData** Indicates to the processor to include `ExtendedProductData` tag in response. Valid choices: yes or no. Default: no.
- **IncludeExternalReferenceData** Indicates to the processor to include `ExternalReferenceItemList` tag in response. Valid choices: yes or no. Default: no.
- **IncludeKitData** Indicates to the processor to include `KitData` tag in response. Valid choices: yes or no. Default: no.

* Either the `Login` or `SessionID` tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ProductInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
    <PartIdentifiers>
      <EclipsePartNumber>504253</EclipsePartNumber>
    </PartIdentifiers>
  </ProductInquiry>
</IDMS-XML>
```

ProductInquiryResponse

General

Purpose	This transaction is used to return information about a product from the system
Request/Response	Response
Corresponding Transaction Tag	ProductInquiry
Secure Transaction?	Yes

Field Summary

SessionID The assigned session ID.

Product The information requested about the product in question is given by this tag, if the product was found.

- **Description** (Required) The product's description.
- **AlternateDescription**... The product's alternate description, as defined in Product Maintenance. Use the **Ades** (Alt-S) hot key.
- **PartIdentifiers** (Required) This tag is used to identify or find the product in question.
 - **EclipsePartNumber** This is the internal Eclipse part number for this product.
 - **UPCList** This is a list of universal product codes (UPC).
 - **UPC** (Required) One or more UPCs for this product.
 - **(Attributes)** The following are the attributes for this tag.
 - **PrimaryUPC** Is this UPC the primary UPC? Valid choices: yes or no.
 - **CatalogNumber** The catalog number for this item.
 - **ProductKeywords** Any keywords that can be used to search for the product. Separate keywords by spaces.
 - **Description** A description that can be used to search for the product.
 - **AlternateDescription**... The product's alternate description, as defined in Product Maintenance. Use the **Ades** (Alt-S) hot key.
 - **AvailabilityList** (Required) The product's availability is given using this tag.
 - **BranchAvailability** (Required) The availability in each branch is given using one or more of these tags.
 - **Branch** (Required) The branch for this availability item.
 - **BranchID** (Required) The internal Eclipse ID for this branch
 - **BranchName** (Required) The branch's name.
 - **Address** The branch's address is omitted in this context.
 - **Entity** The branch's full `Entity` tag is also omitted in this context.
 - **NowQuantity** (Required) The quantity that is available now is given.
 - **Quantity** (Required) The actual quantity is given with this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **UOM** The unit of measure that the product quantity is in.

- **UMQT**..... The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that it matches the value stored for the given UOM.
- **EarliestMoreDate** (Required) The nearest date that more of this product is available.
 - **Date**..... (Required) The current date.
- **EarliestMoreQty** (Required) The amount that is available on the date specified by **EarliestMoreDate**.
 - **Quantity** (Required) The actual quantity is given with this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **UOM**..... (Required) The unit of measure that the product quantity is in.
 - **UMQT**..... The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that it matches the value stored for the given UOM.
- **PlentyDate** (Required) The date on which any amount can be gotten.
 - **Date**..... (Required) The actual date.
- **StockQuantityOnOrder** The total number of product on future purchase orders that are **not** tagged to specific orders in the system as listed in the Future Ledger from Product Maintenance.
- **TaggedQuantityOnOrder** .. The total number of product on further purchase orders and are tagged to specific sales orders in the system as listed in the Future Ledger from Product Maintenance.
- **ProjectedInventoryLevel**... The projected inventory level of the product for this branch as of the date when the transaction is submitted.
- **UOMList** (Required) The list of valid units of measure (UOM) for this product.
 - **UOM**..... (Required) Valid UOMs for this product are given by one or more instances of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **UMQT** (Required) The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that it matches the value stored for the given UOM.
- **Pricing** (Required) The pricing data for this item.
 - **EclipsePartNumber** (Required) This is the internal Eclipse part number for this product.
 - **EntityID**..... (Required) This entity for which this pricing data was calculated.
 - **Currency** (Required) The currency of the money in question.
 - **Quantity**..... (Required) The quantity for which this pricing data was calculated.
 - **(Attributes)** (Required) The following are the attributes for this tag.
 - **UOM** (Required) Valid UOMs for this product are given by one or more instances of this tag.
 - **UMQT** (Required) The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that it matches the value stored for the given UOM.

- **ListPrice** (Required) The List price for this item.
- **CustomerPrice**..... (Required) The custom price for this customer, for one unit of UOM.
- **ExtendedPrice** (Required) The price for this customer to buy quantity units of UOM. For example, $\text{ExtendedPrice} = \text{CustomerPrice} \times \text{Quantity}$.
- **QuantityBreakList** Information about quantity breaks, if any, is given using this tag.
 - **RestrictionInfo** Information about restricting quantity breaks to multiples of a sell quantity.
 - **RestrictToMultiples** (Required) Flag to indicate if you want to restrict quantity breaks by multiples of sell quantities.
 - **Quantity** (Required) The quantity for which this quantity break is restricted.
 - **(Attributes)** The following are the attributes for this tag.
 - **UOM**..... (Required) Valid UOMs for this product are given by one or more instances of this tag.
 - **UMQT**..... The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that is matches the value stored for the given UOM.
 - **QuantityBreak** Quantity price break information is given with one or more instance of this tag.
 - **Quantity** (Required) The quantity for which this quantity break is activated.
 - **(Attributes)** The following are the attributes for this tag.
 - **UOM**..... (Required) Valid UOMs for this product are given by one or more instances of this tag.
 - **UMQT**..... The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that is matches the value stored for the given UOM.
 - **Price**..... (Required) The resulting price if this quantity break is reached.
- **Volume** (Required) The volume of space that one of this item takes to store.
 - **(Attributes)** The following are the attributes for this tag.
 - **Unit**..... (Required) The unit in which volume is measured, such as sq ft, cu in, etc.
- **Weight** (Required) The weight of one of this item.
 - **(Attributes)** The following are the attributes for this tag.
 - **Unit**..... (Required) The unit in which weight is measures, such as pounds.
- **BuyLine** (Required) The product's buy line.
- **PriceLine** (Required) The product's price line.
- **Status** (Required) The product's stock status.
- **IndexType** (Required) The product's index type, such as primary or catalog.
- **ProductClassificationDataList** If requested, the classify data.
 - **ProductClassification** (Required) One or more product classification tags.
 - **Name** (Required) The name of the classification.
 - **Category** (Required) The category of the classification.
 - **Value** (Required) The value for this classification.
- **EclipseImagingItemList** If requested, Eclipse Imaging add-on product data.
 - **EclipseImagingItem** (Required) One or more Imaging Item tags.

- **ImageID**.....(Required) The ID of this image item.
- **Description**.....(Required) The description of this image item.
- **ItemType**.....(Required) The file type of this item. This is usually the file name extension.
- **ProfileID**.....(Required) The profile under which this item is stored.
- **Date**.....(Required) The date when this item was stored.
- **URL**.....(Required) If a URL is available, otherwise this left blank.
- **ExtendedProductData**.....If requested, additional product data is included.
 - **BranchDataList**.....Branch-specific additional product data.
 - **Branch**.....(Required) The branch description.
 - **BranchID**.....(Required) Branch ID.
 - **BranchName**.....(Required) Branch name.
 - **CommissionGroup**.....Commission group name.
 - **SellPkgQty**.....Sell package quantity.
 - **PriceSheet**.....Price sheet name.
 - **ProductRankData**.....Product rank information.
 - **Rank**.....(Required) One or more of these tags present rank data.
 - **(Attributes)**.....The following are the attributes for this tag.
 - **RankNumber**... (Required) The number (identifier) for this rank.
 - **PassAlongDiscount**.....Pass-along discount.
 - **PrintOneLabelPer**.....Print one label per every X.
 - **ProductFamily**.....(Required) A product family's descriptive data.
 - **FamilyID**.....(Required) The family's name.
 - **Description**.....(Required) The family's description.
 - **BudgetGroup**.....The budget group.
 - **ProductZoneList**.....Product zone data.
 - **ProductZoneItem**.....(Required) One or more of these tags present product zone data.
 - **ProductZone**.....(Required) The product zone.
 - **ZoneAction**.....(Required) What to do in that zone? Valid options: "", "Include", "Exclude"
 - **SecondaryBuyLineList**.....A list of secondary buy lines.
 - **SecondaryBuyLineItem**.....(Required) One or more of these tags present secondary buy line items.
 - **BuyLine**.....(Required) The buy line name.
 - **BuyPkgQty**.....(Required) The buy package quantity.
 - **AllowDiv**.....(Required) Indication if you allow breaking of package quantity rules.
 - **TaxExceptionGroupList**.....A list of tax exception groups.
 - **TaxExceptionGroupItem**... (Required) One or more of these tags present tax exception group data.
 - **TaxExceptionGroup**.....(Required) The tax exception group.
 - **IsTaxable**.....(Required) Is this group taxable?
 - **IsReducedRate**.....(Required) Is this group taxable at a reduced rate.
 - **Prepaid FET**.....Prepaid federal excise tax (FET).
 - **OriginalTreadDepth**.....Original tread depth.

- **DirectShipItem** Is this an auto-direct-ship item?
- **DefaultDirectVendor** Auto-direct-ship-item vendor name.
- **DutyHarmonizingCode** The duty harmonizing code.
- **CountryOfManufacture** The country in which the item was manufactured.
- **ERouteTimeToDeliverInMinutes** E-Route time to deliver, in minutes.
- **ERouteSpecialVolume** E-Route special volume data.
- **OrderToInventoryFactorForSOE** Order-to-inventory factor, for Sales Order Entry.
- **DisableDuplicateOrderCheck** Disable duplicate order checking.
- **SecondarySerialNumber** Secondary serial number.
- **Width** The product width.
- **Length** The product length.
- **Depth** The product depth.
- **InvAccountOverride** Invoice account override.
- **ExcludeDetailLotFromAvailIfOnHold** Exclude detail lot from availability if on hold.
- **ExcludeDetailLotFromAvailIfInspectLevelOrQualRankNotMet** Exclude detail lot from availability if inspection level or quality rank has not been met.
- **HazardousMaterialsData** Hazardous materials data.
 - **SheetID** (Required) Hazmat sheet ID.
 - **MSDSSheetNumber** (Required) MSDS Sheet Number.
 - **Description** (Required) MSDS Description.
 - **HazardClass** (Required) Hazard class.
 - **HazardClassDescription** ... (Required) Hazard class description.
 - **HazardCode** (Required) Hazard code.
 - **IDNumber** (Required) ID Number.
 - **PackGroup** (Required) Pack group.
- **KitData**
 - **ComponentPartList+** (Required) Either this tag or the **ContainedByKitList** tag is included.
 - **EclipsePartNumber** (Required) One or more of these tags are listed the parts that make up this kit.
 - **ContainedByKitList+** (Required) Either this tag or **ComponentPartList** tag are included.
 - **EclipsePartNumber** (Required) One or more of these tags are listed the parts that make up this kit.

ExternalReferenceItem If requested, **EclipseExternalReference** tag data.

- **ExternalReferenceItem** (Required) One or more **ExternalReferenceItem** tags.
 - **Description** (Required) the description of this External Reference item.
 - **URL** (Required) The URL for the External Reference.

StatusResult (Required) This tag describes the status of the response side of this transaction.

- **(Attributes)** The following are the attributes for this tag.
 - **Success** (Required) Was the transaction successful? Valid choices: yes or no.
- **Description** (Required) Free-form text field describing
- **ErrorMessageList**** A list of any error encountered in the transaction.
 - **ErrorMessage** (Required) Description specific errors encountered are given in one or more of these tags.

* Address tag is only required if UseEntityAddress tag is set to No

** ErrorMessageList is required, if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ProductInquiryResponse>
    <SessionID>J4183945921</SessionID>
    <Product>
      <Description>Technics SL1200-MK2 Turntable</Description>
      <PartIdentifiers>
        <EclipsePartNumber>504253</EclipsePartNumber>
        <UPCList>
          <UPC PrimaryUPC="Yes">38593872748</UPC>
          <UPC PrimaryUPC="No">87583049280</UPC>
          <UPC PrimaryUPC="No">93939384393</UPC>
        </UPCList>
        <CatalogNumber>99211989227</CatalogNumber>
        <ProductKeywords>Technics SL1200-MK2 Turntable DJRecord
Player</ProductKeywords>
      <Description>Technics SL1200-MK2 Turntable</Description>
    </PartIdentifiers>
    <AvailabilityList>
      <BranchAvailability>
        <Branch>
          <BranchID>2</BranchID>
          <BranchName>Branch 2</BranchName>
        </Branch>
        <NowQuantity>
          <Quantity UOM="ea" UMQT="1">0</Quantity>
        </NowQuantity>
        <EarliestMoreDate>
          <Date>06/20/2003</Date>
        </EarliestMoreDate>
        <EarliestMoreQty>
          <Quantity UOM="ea" UMQT="1">2</Quantity>
        </EarliestMoreQty>
        <PlentyDate>
          <Date>07/29/2003</Date>
        </PlentyDate>
      </BranchAvailability>
      <BranchAvailability>
        <Branch>
          <BranchID>1</BranchID>
          <BranchName>Branch 1</BranchName>
        </Branch>
        <NowQuantity>
          <Quantity UOM="ea" UMQT="1">-140</Quantity>
        </NowQuantity>
        <EarliestMoreDate>
          <Date>06/20/2003</Date>
        </EarliestMoreDate>
        <EarliestMoreQty>
          <Quantity UOM="ea" UMQT="1">3</Quantity>
        </EarliestMoreQty>
        <PlentyDate>
          <Date>07/22/2003</Date>
        </PlentyDate>
      </BranchAvailability>
    </AvailabilityList>
  </Product>
</IDMS-XML>
```

```
</AvailabilityList>
<UOMList>
  <UOM UMQT="1">ea</UOM>
</UOMList>
<Pricing>
  <EclipsePartNumber>504253</EclipsePartNumber>
  <EntityID>1948</EntityID>
  <Currency>US$</Currency>
  <Quantity UOM="ea" UMQT="1">1</Quantity>
  <ListPrice>500.000</ListPrice>
  <CustomerPrice>425.000000000</CustomerPrice>
  <ExtendedPrice>425.000000000</ExtendedPrice>
  <QuantityBreakList>
    <RestrictionInfo>
      <RestrictToMultiples>Yes</RestrictToMultiples>
      <QuantityUOM="ea" UMQT="1">27</Quantity>
    </RestrictionInfo>
  </Pricing>
  <Volume Unit="EA">0.0000</Volume>
  <Weight Unit="lbs">0.0000</Weight>
</Product>
<StatusResult Success="Yes">
  <Description>Product Information retrieved
successfully.</Description>
</StatusResult>
</ProductInquiryResponse>
</IDMS-XML>
```

ReorderPadInquiry

General

Purpose	This transaction is used to request information about an entity's frequently purchased items
Request/Response	Request
Corresponding Transaction Tag	ReorderPadInquiryResponse
Secure Transaction?	Yes

Field Summary

Security (Required) This is the standard *Security* tag, which can contain either a *Login* tag or a *SessionID* tag.

→ **Login*** (Required) For the login type of *Security* tag.

→ **LoginID** (Required) This is the login for the requesting user.

→ **Password** (Required) This is the password for the requesting user.

→ **SessionID*** (Required) Alternative to *Login* tag. You can use a pre-assigned session ID may be used.

EntityID (Required) The entity for which reorder pad information is being requested.

* Either the *Login* or *SessionID* tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ReorderPadInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
    <EntityID>1948</EntityID>
  </ReorderPadInquiry>
</IDMS-XML>
```

ReorderPadInquiryResponse

General

Purpose	This transaction is used to request information about an entity's frequently purchased items
Request/Response	Response
Corresponding Transaction Tag	ReorderPadInquiry
Secure Transaction?	Yes

Field Summary

SessionID The assigned session ID.

ReorderPadList List of reorder pad items.

- **ReorderpadItem** (*Required*) One or more of these tags list all the reorder pad items in the system.
 - **Product** (*Required*) This is the product tag for this reorder pad item.
 - **Description** (*Required*) The product's description.
 - **PartIdentifiers** (*Required*) This tag is used to identify or find the product in question.
 - **EclipsePartNumber** This is the internal Eclipse part number for this product.
 - **UPCList** This is a list of universal product codes (UPCs).
 - **UPC** One or more UPC codes for this product.
 - **(Attributes)** The following are the attributes for this tag.
 - **PrimaryUPC** (*Required*) Is this UPC the primary UPC?
Valid choices: yes or no.
 - **CatalogNumber** The catalog number for this item.
 - **ProductKeywords** Any keywords that can be used to search for the product. Separate words with spaces.
 - **Description** A description that can be used to search for the product.
 - **AlternateDescription** A product's alternate description, as define in Product Maintenance. Use the **Ades** hot key (Alt-S) to add the alternate description.
 - **UOMList** (*Required*) List of valid units of measure (UOM) for this product.
 - **UOM** (*Required*) Valid UOMs for this product are given by one or more instance of this tag.
 - **(Attributes)** The following are the attributes for this tag.
 - **UMQT** (*Required*) The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that is matches the value stored for the given UOM.
 - **Volume** (*Required*) The volume of space that one of this item takes to store.

- **(Attributes)** The following are the attributes for this tag.
 - **Unit** *(Required)* The unit in which the volume is measured, such as sq ft or cu in.
- **Weight** *(Required)* The weight of one of this item.
 - **(Attributes)** The following are the attributes for this tag.
 - **Unit** *(Required)* The unit in which the weight is measured, such as pounds.
- **Quantity** *(Required)* The quantity that usually ordered for this reorder pad item.
 - **(Attributes)** The following are the attributes for this tag.
 - **UOM** *(Required)* Valid UOMs for this product are given by one or more instance of this tag.
 - **UMQT** The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that is matches the value stored for the given UOM.
- StatusResult** *(Required)* This tag describes the status of the response side of this transaction.
 - **(Attributes)** The following are the attributes for this tag.
 - **Success** *(Required)* Was the transaction successful? Valid choices: yes or no.
 - **Description** *(Required)* Free-form text field describing the status.
 - **ErrorMessageList** ** A list of any errors encountered in the transaction.
 - **ErrorMessage** *(Required)* Description of specific errors encountered are given in one or more of these tags.

* Address tag is only required if UseEntityAddress tag is set to No

** ErrorMessageList is required, if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ReorderPadInquiryResponse>
    <SessionID>J1676462045</SessionID>
    <ReorderPadList>
      <ReorderPadItem>
        <Product>
          <Description>EU Class: General Ledger, 2 Days</Description>
          <PartIdentifiers>
            <EclipsePartNumber>122027</EclipsePartNumber>
            <ProductKeywords>GENLED classesGENLED</ProductKeywords>
            <Description>EU Class: General Ledger, 2
Days</Description>
          </PartIdentifiers>
          <UOMList>
            <UOM UMQT="1">dy</UOM>
          </UOMList>
          <Volume Unit="EA">0.0000</Volume>
          <Weight Unit="lbs">0.0000</Weight>
        </Product>
        <Quantity UOM="dy" UMQT="1">104</Quantity>
      </ReorderPadItem>
      <ReorderPadItem>
        <Product>
```

```
<Description>UFO Registration</Description>
<PartIdentifiers>
  <EclipsePartNumber>504274</EclipsePartNumber>
  <Description>UFO Registration</Description>
</PartIdentifiers>
<UOMList>
  <UOM UMQT="1">ea</UOM>
</UOMList>
<Volume Unit="EA">0.0000</Volume>
<Weight Unit="lbs">0.0000</Weight>
</Product>
<Quantity UOM="ea" UMQT="1">37</Quantity>
</ReorderPadItem>
<StatusResult Success="Yes">
  <Description>ReorderPad information retrieved
successfully.</Description>
</StatusResult>
</ReorderPadInquiryResponse>
</IDMS-XML>
```

SalesOrderInquiry

General

Purpose	This transaction is used to request information about an order from the system
Request/Response	Request
Corresponding Transaction Tag	SalesOrderInquiryResponse
Secure Transaction?	Yes
Security Details	Order information only returned if requesting contact is related to the target order's related entity, or an entity related to that entity.

Field Summary

Security (Required) This is the standard `Security` tag, which can contain either a `Login` tag or a `SessionID` tag.

- **Login*** (Required) For the login type of `Security` tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to `Login` tag. You can use a pre-assigned session ID may be used.

OrderID (Required) The internal Eclipse order ID for the order.

GenerationID The internal Eclipse ID for the generation, or individual part, of the order.

InvoiceNumber Similar to the generation ID, this is another way to identify which part of the order is being queried.

* Either the `Login` or `SessionID` tag is required

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <SalesOrderInquiry>
    <Security>
      <Login>
        <LoginID>ZEUS</LoginID>
        <Password>ZEUS</Password>
      </Login>
    </Security>
    <OrderID>S1391437</OrderID>
    <GenerationID>1</GenerationID>
  </SalesOrderInquiry>
</IDMS-XML>
```

SalesOrderInquiryResponse

General

Purpose	This transaction is used to request information about an order from the system
Request/Response	Response
Corresponding Transaction Tag	SalesOrderInquiry
Secure Transaction?	Yes
Security Details	Order information only are returned if requesting contact is related to the target order's related entity, or an entity related to that entity.

Field Summary

SessionID The assigned session ID.

SalesOrder The order information is contained in this tag, provided the order in question was found and that no errors were encountered.

- **OrderHeader** (Required) Header information about the order.
 - **OrderID** (Required) The internal Eclipse order ID for this item.
 - **PricingBranch** (Required) The branch for which pricing was determined.
 - **Branch** (Required) The branch information is provided using this tag.
 - **BranchID** (Required) The internal Eclipse ID for this branch
 - **BranchName** (Required) The name of the branch.
 - **Address** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** (Required) The state for the street address.
 - **PostalCode** (Required) The ZIP or postal code for the street address.
 - **Country** (Required) The country for the street address.
 - **Entity** (Required) The branch's entity record. See the `EntityInquiryResponse` field summary for more information about this tag.
 - **ShippingBranch** ... (Required) The branch from which this order ships.
 - **Branch** (Required) The branch information is provided using this tag.
 - **BranchID** (Required) The internal Eclipse ID for this branch
 - **BranchName** (Required) The name of the branch.
 - **Address** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** (Required) The state for the street address.

- **PostalCode** (Required) The ZIP or postal code for the street address.
- **Country** (Required) The country for the street address.
- **Entity** (Required) The branch's entity record. See the `EntityInquiryReponse` field summary for more information about this tag.
- **BillTo** (Required) The order's bill-to information is given using this tag.
 - **Entity** (Required) The branch's entity record. See the `EntityInquiryReponse` field summary for more information about this tag.
- **ShipTo** (Required) The order's ship-to information is given using this tag.
 - **Entity** (Required) The branch's entity record. See the `EntityInquiryReponse` field summary for more information about this tag.
- **CustomerPO** The customer PO for this order, if any.
- **CustomerReleaseNumber** The customer release number for this order, if any.
- **DirectCustomerPO** If this is a direct order, then this is the "middleman" PO number.
- **GenerationID** (Required) The ID for this part of the order. For example, in the order number: S1234567.002, the ".002" indicates it is a generation.
- **InsideSalesPerson** If defined, the inside salesperson.
- **InternalNotes** Any internal notes that have been made on this part of this order.
- **InvoiceNumber** If this order has been invoiced, this is the invoice number.
- **OrderDate** (Required) The date on which the order was placed.
 - **Date** (Required) The current date.
- **OrderedBy** The ID of the person ordering the items, if available.
- **OrderStatus** (Required) The status of the order as defined in the SOE.STATUS control record, Attribute 1.
 - **(Attributes)** (Required) The following are the attributes for this tag.
 - **Code** (Required) The order status code, as defined in the SOE.STATUS control record, Attribute 2.
- **PrintStatus** The status of the order.
- **OutsideSalesPerson** If defined, the outside salesperson.
- **Currency** The type of money used in this order, such as dollars or Euros.
- **PaymentTerms** (Required) The terms of payment set up for this order, such as prepaid & tax.
 - **Code** (Required) The identifying code for this terms record.
 - **Discount** Discount information, if any.
 - **ROEDiscount** The customer's automatic remote order entry discount.
 - **CashDiscount** Any discount the customer received by agreement in these terms.
 - **Description** Additional description of these terms.
- **RequiredDate** (Required) The date by which the order is required.
 - **Date** (Required) The current date.
- **ShipDate** The date the order shipped.
 - **Date** (Required) The current date.
- **ShippingInformation** ... (Required) Information about shipping details.

- **EntityName** (Required) The name of the entity to which the order is being shipped.
- **ShipmentList** List of shipping IDs / tracking numbers.
 - **Shipment** The shipment data is given in one or more of these tags.
 - **ShippingID** (Required) The shipping ID / tracking number.
 - **Courier** (Required) The courier for this shipping ID / tracking number.
 - **Address** (Required) The shipping address is defined using this tag.
 - **StreetLineOne** (Required) First line of the street address.
 - **StreetLineTwo** (Required) Second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** (Required) The state for the street address.
 - **PostalCode** (Required) The ZIP or postal code for the street address.
 - **Country** (Required) The country for the street address.
 - **ShipVia** (Required) The shipment method is given using this tag.
 - **ShipVialID** (Required) The internal Eclipse ID of this ship via method.
 - **Description** Additional description of this ship via method.
 - **Instructions** (Required) Any instructions for the shipment.
- **TaxExemptCode** ... The tax exempt code for this item.
 - **Code** (Required) The actual tax exempt code number.
- **TaxExemptID** The tax exempt ID if this is a purchase order to a vendor.
- **TaxJurisdiction** The jurisdiction which this item is taxed.
- **Telephone** The telephone number to use to contact customer about this order.
 - **Number** (Required) The telephone number. Format as needed.
 - **Code** Telephone code as defined by the **Valid Phone Codes** control maintenance record.
 - **Description** Free-form text field describing telephone number.
- **WrittenBy** The name employee who wrote the order, if defined.
 - **EclipseID** (Required) The Eclipse ID of the writer.
- **CreditCard** (Required) Credit card data for this order.
 - **CreditCardType** (Required) The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** (Required) The credit card number.
 - **CVVCode** The credit card verification code for the credit card.
 - **ExpirationDate** (Required) The date the credit card is no longer valid.
 - **Date** The current date.
 - **CardHolder** (Required) The credit card holder's name.
 - **StreetAddress** (Required) The credit card holder's billing street address.
 - **PostalCode** (Required) The ZIP or postal code for the credit card holder's billing address.

- **AuthType** The authorization method as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
- **ElementPaymentAccountId** (Required) The GUID generated by Element Payment services that identifies the credit card on Element's server.
- **AddDataList** Any additional data that is stored for this order.
 - **AddData** (Required) The value of this piece of additional data.
 - **(Attributes)** The following are the attributes for this tag.
 - **Data** (Required) A descriptor for this data item.
- **LineItemList** (Required) This is the list of line items for this order.
 - **LineItem** (Required) One or more of these tags define the order's lines.
 - **LineItemID** The internal Eclipse ID for this line item.
 - **PartIdentifiers** (Required) This tag is used to identify or find the product.
 - **EclipsePartNumber** This is the internal Eclipse part number for this product.
 - **UPCList** This is a list of universal product codes (UPCs).
 - **UPC** (Required) One or more UPC Codes for this product.
 - **(Attributes)** The following are the attributes for this tag.
 - **Primary UPC** Is this UPC the primary UPC? Valid choices: yes or no.
 - **CatalogNumber** The catalog number for this item.
 - **ProductKeywords** Any keywords that can be used to search for the product. Separate words by spaces.
 - **Description** A description that can be used to search for the product.
 - **AlternateDescription** A product's alternate description, as define in Product Maintenance. Use the **Ades** hot key (Alt-S) for access.
 - **LineItemPrice** (Required) The price of this line item.
 - **UnitPrice** (Required) The customer price for one unit of the item being ordered.
 - **ListPrice** The list price for one unit of this item being ordered.
 - **ExtendedPrice** (Required) The total customer price of this line item.
 - **QtyOrdered** (Required) The quantity ordered of this item.
 - **Quantity** (Required) The actual quantity.
 - **(Attributes)** The following are the attributes for this tag.
 - **UOM** (Required) The unit of measure (UOM) for this product, such as box or carton.
 - **UMQT** The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that is matches the value stored for the given UOM.
 - **QtyShipped** (Required) The quantity of this item that has been or can be shipped.
 - **Quantity** (Required) The actual quantity.
 - **(Attributes)** The following are the attributes for this tag.

- **UOM** *(Required)* The unit of measure (UOM) for this product, such as box or carton.
- **UMQT** The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that it matches the value stored for the given UOM.UOM
- **LinItemCommentList**.....Any line item comments.
 - **LinItemComment** *(Required)* The text of the line item comments.
 - **(Attributes)**..... The following are the attributes for this tag.
 - **Type** The comment type as defined in the OE.COMMENT.TYPES control record, Attribute 1. The default is Type=1. Usually this is "General Comment."
- **OrderLineComment**Any order-level line comments are presented using one or more instances of this tag.
 - **LinItemID** The internal Eclipse ID for this line item.
 - **ReleaseNumber**Line-item level release number.
 - **LinItemCommentList**.....Any line item comments.
 - **LinItemComment** *(Required)* The text of the line item comments.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type**..... The comment type as defined in the OE.COMMENT.TYPES control record, Attribute 1. The default is Type=1. Usually this is "General Comment."
- **OrderTotals**..... *(Required)* Totals information is given using this tag.
 - **Subtotal**..... *(Required)* The total of all the line items' extended prices.
 - **Tax**Any tax due.
 - **FederalExciseTax**..... The federal excise tax (FET) amount.
 - **Freight**Amount charged for freight.
 - **Handling**.....Amount charged for handling.
 - **Payment**Any payment that has already been made to this account.
 - **Amount** *(Required)* The amount of this payment.
 - **Date** *(Required)* The date the payment was made.
 - **Discount**.....Discount information, if any.
 - **ROEDiscount** The customer's automatic remote order entry discount.
 - **CashDiscount**Any cash discount made available by these terms.
 - **Total**..... *(Required)* The total amount due on this order.
- StatusResult** *(Required)* This tag describes the status of the response side of this transaction.
 - **(Attributes)**..... The following are the attributes for this tag.
 - **Success**..... *(Required)* Was the transaction successful? Valid choices: yes or no.
 - **Description** *(Required)* Free-form text field describing the status.
 - **ErrorMessageList****A list of any errors encountered in the transaction.
 - **ErrorMessage** *(Required)* Description specific errors encountered are given in one or more of these tags.

* Address tag is only required if UseEntityAddress tag is set to No

** ErrorMessageList is required, if there are any errors, such as when Success is No

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <SalesOrderInquiryResponse>
    <SessionID>J9167455441</SessionID>
    <SalesOrder>
      <OrderHeader>
        <OrderID>S1391437</OrderID>
        <PricingBranch>
          <Branch>
            <BranchID>1</BranchID>
            <BranchName>Branch 1</BranchName>
            <Entity>
              <EntityID>1948</EntityID>
              <!-- Omitted in this manual for brevity -->
            </Entity>
          </Branch>
        </PricingBranch>
        <ShippingBranch>
          <Branch>
            <BranchID>1</BranchID>
            <BranchName>Branch 1</BranchName>
            <Entity>
              <EntityID>1948</EntityID>
              <!-- Omitted in this manual for brevity -->
            </Entity>
          </Branch>
        </ShippingBranch>
        <BillTo>
          <Entity>
            <EntityID>1948</EntityID>
            <!-- Omitted in this manual for brevity -->
          </Entity>
        </BillTo>
        <ShipTo>
          <Entity>
            <EntityID>1948</EntityID>
            <!-- Omitted in this manual for brevity -->
          </Entity>
        </ShipTo>
        <CustomerPO>S1391437.0001</CustomerPO>
        <GenerationID>0001</GenerationID>
        <OrderDate>
          <Date>06/13/2003</Date>
        </OrderDate>
        <OrderedBy>
          <Description>Monica Armand</Description>
          <Contact>
            <ContactID>6792</ContactID>
            <EntityID>1948</EntityID>
            <ContactName>
              <FirstName>Monica</FirstName>
              <MiddleName>J.</MiddleName>
              <LastName>Armand</LastName>
            </ContactName>
            <Classification></Classification>
            <UseEntityAddress>Yes</UseEntityAddress>
          </Contact>
        </OrderedBy>
      </OrderHeader>
    </SalesOrder>
  </SalesOrderInquiryResponse>
</IDMS-XML>
```

```

        <Address>
            <StreetLineOne>5340 Airport Boulevard</StreetLineOne>
            <StreetLineTwo></StreetLineTwo>
            <City>BOULDER</City>
            <State>CO</State>
            <PostalCode>80301-2312</PostalCode>
            <Country></Country>
        </Address>
        <TelephoneList>
            <Telephone>
                <Number>303-938-8801 x1119</Number>
                <Code>Work</Code>
                <Description></Description>
            </Telephone>
        </TelephoneList>
        <Title></Title>
        <EmailAddressList>
            <EmailAddress Type=""
HTMLPref="">monica_armand@activant.com</EmailAddress>
        </EmailAddressList>
        <WebAddress></WebAddress>
        <IsSuperuser>No</IsSuperuser>
        <Login>
            <LoginID></LoginID>
            <Password></Password>
        </Login>
    </Contact>
</OrderedBy>
<OrderStatus Code="B">B-Bid</OrderStatus>
<OutsideSalesPerson>
    <EclipseID>CURTS</EclipseID>
</OutsideSalesPerson>
<Currency>US$</Currency>
<PaymentTerms>
    <Code>SOR</Code>
    <Discount>
        <ROEDiscount>0.00</ROEDiscount>
        <CashDiscount>
            <Amount>0.23</Amount>
            <Percentage>11.50</Percentage>
            <Date>07/31/2003</Date>
        </CashDiscount>
    </Discount>
    <Description>SOR Test</Description>
</PaymentTerms>
<RequiredDate>
    <Date>06/13/2003</Date>
</RequiredDate>
<ShipDate>
    <Date>06/13/2003</Date>
</ShipDate>
<ShippingInformation>
    <Address>
        <StreetLineOne>5340 Airport Boulevard</StreetLineOne>
        <StreetLineTwo></StreetLineTwo>
        <City>BOULDER</City>
        <State>CO</State>
        <PostalCode>80301</PostalCode>
        <Country>US</Country>
    </Address>
    <ShipVia>
        <ShipViaID>BICYCLE</ShipViaID>
        <Description>BICY</Description>
    </ShipVia>

```

```

        <Instructions></Instructions>
    </ShippingInformation>
    <TaxJurisdiction>080130785011</TaxJurisdiction>
    <Telephone>
        <Number>720-201-8046</Number>
        <Code></Code>
        <Description></Description>
    </Telephone>
    <WrittenBy>
        <EclipseID>Dustin Mallory</EclipseID>
    </WrittenBy>
</OrderHeader>
<LineItemList>
    <LineItem>
        <LineItemID>1</LineItemID>
        <PartIdentifiers>
            <EclipsePartNumber>120955</EclipsePartNumber>
            <Description>1998 Silver Audi A4 2.8L V6 Quattro, Mile
Miglia Action Sport 17x8 wheels, Bridgestone Potenza S-03 tires, Koni Sport
shocks, H&R Race springs, Neuspeed P-chip, Custom intake, European turn
signals/side markers, 3M 35% tint, Pioneer stereo and speakers, Polk
subwoofer with MTX amplifier</Description>
        </PartIdentifiers>
        <LineItemPrice>
            <UnitPrice>1.000000000</UnitPrice>
            <ExtendedPrice>2.000000000</ExtendedPrice>
        </LineItemPrice>
        <QtyOrdered>
            <Quantity UOM="ea" UMQT="1">2</Quantity>
        </QtyOrdered>
        <QtyShipped>
            <Quantity UOM="ea" UMQT="1">2</Quantity>
        </QtyShipped>
    </LineItem>
    <OrderLineCommentItem>
        <LineItemID>2</LineItemID>
        <LineItemCommentList>
            <LineItemComment Type="1">Add sports body
package</LineItemComment>
        </LineItemCommentList>
    </LineItem>
</LineItemList>
<OrderTotals>
    <Subtotal>2.00</Subtotal>
    <Tax>0.26</Tax>
    <FederalExciseTax>0.00</FederalExciseTax>
    <Freight>10.00</Freight>
    <Handling>5.00</Handling>
    <Payment>
        <Amount>0.00</Amount>
        <Date></Date>
    </Payment>
    <Discount>
        <ROEDiscount>0.00</ROEDiscount>
        <CashDiscount>
            <Amount>-0.23</Amount>
            <Percentage>11.50</Percentage>
            <Date>07/31/2003</Date>
        </CashDiscount>
    </Discount>
    <Total>17.03</Total>
</OrderTotals>
</SalesOrder>
<StatusResult Success="Yes">

```

```
        <Description>Sales Order Information retrieved  
successfully.</Description>  
      </StatusResult>  
    </SalesOrderInquiryResponse>  
  </IDMS-XML>
```


SalesOrderSubmit

General

Purpose	This transaction is used to create a new order in the system
Request/Response	Request
Corresponding Transaction Tag	SalesOrderSubmitResponse
Secure Transaction?	Yes
Security Details	Order information only entered if requesting contact is related to the new order's related entity, or an entity related to that entity.

Field Summary

Security (Required) This is the standard **Security** tag, which can contain either a **Login** tag or a **SessionID** tag.

- **Login*** (Required) For the login type of **Security** tag.
 - **LoginID** (Required) This login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to **Login** tag. You can use a pre-assigned session ID may be used.

SalesOrder (Required) This is the sales order tag.

- **OrderHeader** (Required) Header information about the order.
 - **BillTo ..** (Required) The order's Bill-to information is given using this tag.
 - **Entity** (Required) The Bill-to's entity record. See the **EntityInquiryResponse** field summary for more information about this tag.
 - **ShipTo** (Required) The order's ShipTo information is given using this tag.
 - **Entity** (Required) The ShipTo's entity record. See the **EntityInquiryResponse** field summary for more information about this tag.
 - **CustomerPO** ... The customer PO for this order, if any.
 - **CustomerReleaseNumber** The customer release number for this order, if any.
 - **DirectCustomerPO** If this is a direct order, then this is the "middleman" PO number.
 - **InsideSalesPerson** If defined, the inside salesperson.
 - **InternalNotes** Any internal notes that have been made on this part of this order.
 - **OrderedBy** The ordering party, if available.
 - **OrderStatus** (Required) The status of the order as defined in the SOE.STATUS control record, Attribute 1. Note that valid codes are defined for each customer; the only default allowed code is B (for Bid). Valid statuses are define in the **Valid Status** field in Customer Maintenance > Remote Maintenance.
 - **(Attributes)** The following are the attributes for this tag.

- **Code**..... (Required) The order status code as defined in the SOE.STATUS control record, Attribute 2. Note that valid codes are defined for each customer; the only default allowed code is B (for Bid). Valid statuses are define in the **Valid Status** field in Customer Maintenance > Remote Maintenance.
- **PricingBranch**..... If left blank, the system uses the Home branch setting for the customer, set in Customer Maintenance. If you want to override that value, use this element to submit the override pricing branch.
The customer must be authorized for the branches being used as override values. From Customer Maintenance, the **Branch** hot key shows authorized branches.
 - **BranchID**..... (Required) Enter numeric branch ID for override value.
 - **BranchName** The name of the branch.
 - **Address** The address for the branch.
- **ShippingBranch** If left blank, the system uses the Home branch setting for the customer, set in Customer Maintenance. If you want to override that value, use this element to submit the override shipping branch.
 - **BranchID**..... (Required) Enter numeric branch ID for override value.
 - **BranchName** The name of the branch.
 - **Address** The address for the branch.
- **OutsideSalesPerson** ... If defined, the outside salesperson.
- **Currency** The currency to be used for this order, such as dollars or Euros.
- **PaymentTerms** (Required) The terms of payment set up for this order, such as COD.
 - **Code**..... (Required) The identifying code for this terms record.
- **Required Date**..... (Required) The date by which the order is required.
 - **Date**..... (Required) The current date.
- **ShippingInformation**... (Required) Information about shipping details.
 - **EntityName**..... (Required) The name of the entity to which the order is being shipped.
 - **ShipmentList**..... List for shipping IDs / tracking numbers.
 - **Shipment** (Required) The shipment data is given in one or more of these tags.
 - **ShippingID**..... (Required) The shipping ID / tracking number.
 - **Courier**..... (Required) The courier for this shipping ID / tracking number.
 - **Address** (Required) The shipping address is defined using this tag.
 - **StreetLineOne** (Required) The first line of the street address.
 - **StreetLineTwo**..... (Required) The second line of the street address.
 - **City**..... (Required) The city for the street address.
 - **State**..... (Required) The state for the street address.
 - **PostalCode**..... (Required) The ZIP or postal code for the street address.
 - **Country**..... (Required) The country for the street address.
 - **ShipVia**..... (Required) The shipment method is given using this tag. Ship vias are validated again the shipping branch for a customer. If branch-level ship vias are set up, only ship vias that are valid for that branch are allowed.
 - **ShipVialID**..... (Required) The internal Eclipse ID of this ship via method.

- **Description** Additional description this ship via method.
- **Instructions** (Required) Any instructions for the shipment.
- **FreightCharge** Any freight charges to be applied to the order.
- **HandlingCharge** Any handling charges to be applied to the order.
- **TaxExemptCode** The tax exempt code for this item.
 - **Code** (Required) The actual code.
- **TaxExemptID** The tax exempt ID if this is a purchase order to a vendor.
- **TaxJurisdiction** The jurisdiction where this item is taxed.
- **Telephone** The telephone number to use to contact customer about this order.
 - **Number** (Required) The telephone number. Format as needed.
- **WrittenBy** If the employee who wrote the order is defined.
 - **EclipseID** (Required) The Eclipse ID of the writer of the order.
- **CreditCard** Credit card data for this order.
 - **CreditCardType** (Required) The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** (Required) The credit card number.
 - **CVVCode** The credit card verification code for the credit card.
 - **ExpirationDate** (Required) The date the credit card is no longer valid.
 - **Date** (Required) The expiration date in the MMDDYY format.
 - **CardHolder** (Required) The card holder's name.
 - **StreetAddress** (Required) The credit card holder's billing street address.
 - **PostalCode** (Required) The ZIP or postal code for the credit card holder's billing street address.
 - **AuthType** The authorization method as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountID** (Required) The GUID generated by Element Payment Services that identifies the credit card on Element's server.
- **AddIDataList** Any additional data that is stored for this order.
 - **AddIData** (Required) The value of this piece of additional data.
 - **(Attributes)** The following are the attributes for this tag.
 - **DataID** (Required) A descriptor for this data item.
- **LineItemList** (Required) This is the list of line items for this order. **Note:** This tag can contain a combination list of `LineItem` tags and `OrderLineComment` tags.
 - **LineItem** (Required) One or more of these tags define the order's lines.
 - **LineItemID** (Required) The incrementing line item counter.
 - **PartIdentifiers** (Required) This tag is used to identify or find the product in question.
 - **EclipsePartNumber** This is the internal Eclipse part number for this product.
 - **UPCList** This is a list of universal product codes (UPCs)
 - **(Attributes)** The following are the attributes for this tag.
 - **PrimaryUPC** Is this the primary UPC? Valid choices: yes or no.
 - **CatalogNumber** The catalog number for this item.

- **ProductKeywords**..... Any keywords that can be used to search for the product. Separate keywords by spaces.
- **Description**..... A description that can be used to search for the product in question.
- **AlternateDescription** The product's alternate description as defined in Product Maintenance. Use the **Ades** hot key (Alt-S).
- **LineItemPrice** *(Required)* The price of this line item. **Note:** In this context, this field is not required. If it is included and the price is incorrect, then this transaction fails with a price mismatch error unless the **Use Partner Pricing** flag in Customer Maintenance (Remote hot key > WOE hot key > IDMS hot key) is set to Yes.
- **UnitPrice**..... *(Required)* The customer price for one unit of this item being ordered.
- **ListPrice** The list price for one unit of the item being ordered.
- **ExtendedPrice**..... *(Required)* The total customer price of this line item.
- **QtyOrdered**..... *(Required)* The quantity of this item that has been ordered.
- **Quantity** *(Required)* The quantity listed on the order.
 - **(Attributes)**..... *(Required)* The following are the attributes for this tag.
 - **UOM** *(Required)* The unit of measure (UOM) for the product.
 - **UMQT** The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that is matches the value stored for the given UOM.
- **ListItemCommentList**..... Any line item comments.
 - **LineItemComment** *(Required)* The text of the line item comments.
 - **(Attributes)**..... The following are the attributes for this tag.
 - **Type** The comment type as defined in the OE.COMMENT.TYPES control record, Attribute 1. This defaults to Type=1. This is usually General Comment.
 - **ReleaseNumber** Line item level release number.
- **OrderLineComment** Any order level line comments are presented using one or more instance of this tag.
 - **LineItemID** *(Required)* The internal Eclipse ID for this line item.
 - **LineItemCommentList**..... Any line item comments.
 - **LineItemComment** *(Required)* The text of the line item comments.
 - **(Attributes)**..... The following are the attributes for this tag.
 - **Type** The comment type as defined in the OE.COMMENT.TYPES control maintenance record, Attribute 1. This defaults to Type=1. Usually this is General Comment.

* Either the `Login` or `SessionID` tag is required.

Example XML

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <SalesOrderSubmit>
    <Security>
      <Login>
        <LoginID>ZEUS</LoginID>
        <Password>ZEUS</Password>
      </Login>
    </Security>
    <SalesOrder>
      <OrderHeader>
        <BillTo>
          <EntityID>25385</EntityID>
        </BillTo>
        <ShipTo>
          <EntityID>25462</EntityID>
        </ShipTo>
        <CustomerPO>PO2</CustomerPO>
        <InternalNotes>Some Internal notes and stuff.... These are how
they look once parsing is done
This one's on a new line in the XML</InternalNotes>
        <OrderedBy>
          <Description>TheDude</Description>
        </OrderedBy>
        <RequiredDate>
          <Date>02/28/2003</Date>
        </RequiredDate>
        <ShippingInformation>
          <Address>
            <StreetLineOne>1 Street Dr.</StreetLineOne>
            <StreetLineTwo>Box 5</StreetLineTwo>
            <City>BIRMINGHAM</City>
            <State>MI</State>
            <PostalCode>48009-1850</PostalCode>
            <Country>US</Country>
          </Address>
          <ShipVia>
            <ShipViaID>OT OUR TRUCK</ShipViaID>
            <Description>OT O</Description>
          </ShipVia>
          <Instructions>Be careful, Mr. PostMan!</Instructions>
        </ShippingInformation>
        <TaxExemptCode/>
        <TaxExemptID/>
        <TaxJurisdiction>OOS</TaxJurisdiction>
        <Telephone>
          <Number>303-966-6669</Number>
        </Telephone>
      </OrderHeader>
      <LineItemList>
        <LineItem>
          <LineItemID>1</LineItemID>
          <PartIdentifiers>
            <EclipsePartNumber>410652</EclipsePartNumber>
            <CustomerPartNumberList>
              <CustomerPartNumber>GLOW50</CustomerPartNumber>
            </CustomerPartNumberList>
            <ProductKeywords>bright radioactive goo</ProductKeywords>
            <Description>Raver MouthGlower Glowstick</Description>
          </PartIdentifiers>
          <LineItemPrice>

```

```

        <UnitPrice>3.57</UnitPrice>
        <ExtendedPrice>7.14</ExtendedPrice>
    </LineItemPrice>
    <QtyOrdered>
        <Quantity UOM="pk" UMQT="3">2</Quantity>
    </QtyOrdered>
    <LineItemCommentList>
        <LineItemComment Type="1">Request GREEN</LineItemComment>
    </LineItemCommentList>
</LineItem>
<LineItem>
    <LineItemID>2</LineItemID>
    <PartIdentifiers>
        <EclipsePartNumber>410646</EclipsePartNumber>
        <CatalogNumber>99284377539</CatalogNumber>
        <ProductKeywords>CDS</ProductKeywords>
        <Description>Raver Baby-T ER 1CX/CDS</Description>
    </PartIdentifiers>
    <LineItemPrice>
        <UnitPrice>18.99</UnitPrice>
        <ExtendedPrice>94.95</ExtendedPrice>
    </LineItemPrice>
    <QtyOrdered>
        <Quantity UOM="ea" UMQT="1">5</Quantity>
    </QtyOrdered>
    <LineItemCommentList>
        <LineItemComment Type="1">XX Small</LineItemComment>
    </LineItemCommentList>
</LineItem>
<OrderLineComment>
    <LineItemID>3</LineItemID>
    <LineItemCommentList>
        <LineItemComment Type="1">Fragile orders require extra
attention</LineItemComment>
    </LineItemCommentList>
</OrderLineComment>
</LineItemList>
</SalesOrder>
</SalesOrderSubmit>
</IDMS-XML>

```

SalesOrderSubmitResponse

General

Purpose	This transaction is used to create a new order in the system
Request/Response	Response
Corresponding Transaction Tag	SalesOrderSubmit
Secure Transaction?	Yes
Security Details	Order information only entered if requesting contact is related to the new order's related entity, or an entity related to that entity.

Field Summary

SessionID The assigned session ID.

SalesOrder The order information provided that the order was created successfully.

- **OrderHeader** (Required) Header information about the order.
 - **OrderID** (Required) The internal Eclipse order ID for this item.
 - **PricingBranch** (Required) The branch for which pricing was determined.
 - **Branch** (Required) The branch information.
 - **BranchID** (Required) The internal Eclipse ID for this branch.
 - **BranchName** (Required) The name of the branch.
 - **Address** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) The first line of the street address.
 - **StreetLineTwo** (Required) The second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** (Required) The state for the street address.
 - **PostalCode** (Required) The ZIP or postal code for the street address.
 - **Country** (Required) The country for the street address.
 - **Entity** (Required) The branch's entity record. See [EntityInquiryResponse](#) field summary for more information about this tag.
 - **ShippingBranch** ... (Required) The branch from which this order ships.
 - **Branch** (Required) The branch information.
 - **BranchID** (Required) The internal Eclipse ID for this branch.
 - **BranchName** (Required) The name of the branch.
 - **Address** (Required) The address is defined using this tag.
 - **StreetLineOne** (Required) The first line of the street address.
 - **StreetLineTwo** (Required) The second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** (Required) The state for the street address.
 - **PostalCode** (Required) The ZIP or postal code for the street address.
 - **Country** (Required) The country for the street address.

- **Entity**..... *(Required)* The branch's entity record. See `EntityInquiryResponse` field summary for more information about this tag.
- **BillTo** *(Required)* The order's Bill-to information is given using this tag.
 - **Entity**..... *(Required)* The Bill-to entity record. See `EntityInquiryResponse` field summary for more information about this tag.
- **ShipTo** *(Required)* The order's ship-to information is given using this tag.
 - **Entity**..... *(Required)* The ship-to entity record. See `EntityInquiryResponse` field summary for more information about this tag.
- **CustomerPO** The customer PO for this order, if any.
- **CustomerReleaseNumber** The customer release number for this order, if any.
- **DirectCustomerPO** If this is a direct order, then this is the "middleman" PO number.
- **GenerationID**..... *(Required)* The ID for this part of the order.
- **InsideSalesPerson** If defined, the inside salesperson.
- **InternalNotes** Any internal notes that have been made on this part of this order.
- **InvoiceNumber** If this order has been invoiced, this is the invoice number.
- **OrderDate**..... *(Required)* The date on which the order was placed.
 - **Date**..... *(Required)* The current date.
- **OrderedBy**..... The person making the order.
- **OrderedStatus** *(Required)* The status of the order as defined in the SOE.STATUS control record, Attribute 1.
 - **(Attributes)** The following are the attributes for this tag.
 - **Code**..... *(Required)* The order status code as defined in the control record SOE.STATUS control record, Attribute 2.
- **OutsideSalesPerson** ... If defined, the outside salesperson.
- **Currency** *(Required)* The currency for the order, such as dollars or Euros.
- **PaymentTerms** *(Required)* The terms of payment set up for this order.
 - **Code**..... *(Required)* The identifying code for this terms record.
 - **Discount** Discount information, if any.
 - **ROEDiscount** The customer's automatic remote order entry discount.
 - **CashDiscount** Any cash discount made available by these terms.
 - **Description** Additional description of these terms
- **RequiredDate**..... *(Required)* The date by which the order is required.
 - **Date**..... *(Required)* The current date
- **ShipDate**..... The date the order shipped.
 - **Date**..... *(Required)* The current date.
- **ShippingInformation**... *(Required)* Information about shipping details.
 - **EntityName** *(Required)* The name of the entity to which the order is being shipped.
 - **ShipmentList**..... Shipping IDs / tracking numbers are given in this list.
 - **Shipment** *(Required)* The shipment data is given in one or more of these tags.
 - **ShippingID**..... *(Required)* The shipping ID / tracking number.

- **Courier** (Required) the courier for this shipping ID / tracking number.
- **Address** (Required) The shipping address is defined using this tag.
 - **StreetLineOne** (Required) The first line of the street address.
 - **StreetLineTwo** (Required) The second line of the street address.
 - **City** (Required) The city for the street address.
 - **State** (Required) The state for the street address.
 - **PostalCode** (Required) The ZIP or postal code for the street address.
 - **Country** (Required) The country for the street address.
- **ShipVia** (Required) The shipment method is given using this tag.
 - **ShipViaID** (Required) The internal Eclipse ID of this ship via method.
 - **Description** Additional description of this ship via method.
- **Instructions** (Required) Any instructions for the shipment.
- **TaxExemptCode** ... The tax exempt code for this item.
 - **Code** (Required) The actual tax exempt code.
- **TaxExemptID** The tax exempt ID if this is a purchase order to a vendor.
- **TaxJurisdiction** The jurisdiction where this item is taxed.
- **Telephone** The telephone number to use to contact customer about this order.
 - **Number** (Required) The telephone number. Format as needed.
 - **Code** Telephone code as defined by the **Valid Phone Codes** control maintenance record.
 - **Description** Free-form text field describing the telephone number.
- **WrittenBy** If the employee who wrote the order is defined.
 - **EclipseID** (Required) The Eclipse ID of the writer.
- **CreditCard** Credit card data for this order is passed through this tag.
 - **CreditCardType** (Required) The credit card type as defined in the CREDIT.CARD.DEFINITIONS control record, Attribute 1.
 - **CreditCardNumber** (Required) The credit card number.
 - **CVVCode** The credit card verification (CVV) code.
 - **ExpirationDate** (Required) The date the credit card is no longer valid.
 - **Date** (Required) The date is placed in this tag.
 - **CardHolder** (Required) The card holder's name.
 - **StreetAddress** (Required) The card holder's billing address.
 - **PostalCode** (Required) The ZIP or postal code for the card holder's billing address.
 - **AuthType** The authorization method as defined in the AUTHTYPES.DEFAULTS control record, Attribute 1.
 - **ElementPaymentAccountID** (Required) The GUID generated by Element Payment Services that identifies the credit card on Element's server.
- **AddIDataList** Any additional data that needs to be stored for this order.
 - **AddIData** ... (Required) The value of this piece of additional data.
 - **(Attributes)** The following are the attributes for this tag.
 - **DataID** (Required) A description for this data item.

- **LineItemList** *(Required)* This is the list of line items for this order. **Note:** This tag can contain a combination list of `LineItem` tags and `OrderLineComment` tags.
- **LineItem** *(Required)* One or more of these tags define the order's lines.
 - **LineItemID** *(Required)* The internal Eclipse ID for this line item.
 - **PartIdentifiers** *(Required)* This tag is used to identify or find the product.
 - **EclipsePartNumber** This is the internal Eclipse part number for this product.
 - **UPCList** A list of universal product codes (UPCs).
 - **UPC** *(Required)* One or more of UPC codes for this product.
 - **(Attributes)** The following are the attributes for this tag.
 - **PrimaryUPC** Is this the primary UPC? Valid choices: yes or no.
 - **CatalogNumber** The catalog number for this item.
 - **ProductKeywords** Any keywords that can be used to search for the product. Separate keywords by spaces.
 - **Description** A description that can be used to search for the product in question.
 - **AlternateDescription** ... The product's alternate description as defined in Product Maintenance. Use the **Ades** hot key (Alt-S).
- **LineItemPrice** *(Required)* The price of this line item.
 - **UnitPrice** *(Required)* The customer price for one unit of the item being ordered on this line.
 - **ListPrice** The list price for one unit of the item being ordered on this line.
 - **ExtendedPrice** *(Required)* The total customer price of this line item.
- **QtyOrdered** *(Required)* The quantity of this item that has been ordered.
 - **Quantity** *(Required)* The actual quantity is given with this tag.
 - **(Attributes)** *(Required)* The following are the attributes for this tag.
 - **UOM** *(Required)* The unit of measure (UOM) for the product quantity.
 - **UMQT** The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that it matches the value stored for the given UOM.
- **QtyShipped** *(Required)* The quantity of this item that has been / can be shipped.
 - **Quantity** *(Required)* The actual quantity for the order.
 - **(Attributes)** The following are the attributes for this tag.

- **UOM**..... *(Required)* The unit of measure that the product quantity.
- **UMQT** The number of units in one instance of UOM. For example, if UOM is **dz** then UMQT is 12. If this is omitted, then the UMQT are looked up using the UOM. If it is given, then the UMQT are verified that it matches the value stored for the given UOM.
- **LineItemCommentList**..... Any line item comments.
 - **LineItemComment**..... *(Required)* The text of the line item comments.
 - **(Attributes)** The following are the attributes for this tag.
 - **Type**..... The comment type as defined in the OE.COMMENT.TYPES control record, Attribute 1. This defaults to Type=1. Usually General Comment.
- **ReleaseNumber** Line-item level release number.
- **OrderLineComment** Any order-level line comments are presented using one or more instance of this tag.
 - **LineItemID** *(Required)* The internal Eclipse ID for this line item.
 - **LineItemCommentList**..... Any line item comments.
 - **LineItemComment** *(Required)* The text of the line item comments.
 - **(Attributes)**..... The following are the attributes for this tag.
 - **Type** The comment type as defined in the OE.COMMENT.TYPES control record, Attribute 1. This defaults to Type=1. Usually General Comment.
 - **OrderTotals**..... *(Required)* Totals information is given using this tag.
 - **Subtotal**..... *(Required)* The total of all the line items' extended prices.
 - **Tax** Any tax due.
 - **FederalExciseTax**..... Federal excise tax (FET) amount.
 - **Freight** Amount charged for freight.
 - **Handling**..... Amount charged for handling.
 - **Payment** Any payment that has already been made to this account.
 - **Amount** *(Required)* The amount of this payment
 - **Date** *(Required)* The date the payment was made.
 - **Discount**..... Discount information, if any.
 - **ROEDiscount** The customer's automatic remote order entry discount
 - **CashDiscount** Any cash discount made available by these terms.
 - **Total**..... *(Required)* The total amount due on this order.
 - StatusResult** *(Required)* This tag describes the status of the response side of this transaction.
 - **(Attributes)**..... The following are the attributes for this tag.
 - **Success**..... *(Required)* Was the transaction successful? Valid choices: yes or no.
 - **Description** *(Required)* Free-form text field describing the status.
 - **ErrorMessageList**** A list of any errors encountered in the transaction.

→ **ErrorMessage**Description specific errors encountered are given in one or more of these tags.

* Address tag is only required if UseEntityAddress tag is set to No.

** ErrorMessageList is required, if there are any errors, such as when Success is No.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <SalesOrderSubmitResponse>
    <SessionID>J2108619612</SessionID>
    <SalesOrder>
      <OrderHeader>
        <OrderID>S1391655</OrderID>
        <PricingBranch>
          <Branch>
            <BranchID>1</BranchID>
            <BranchName>Branch 1</BranchName>
            <Entity>
              <EntityID>1948</EntityID>
              <!-- Omitted in this manual for brevity -->
            </Entity>
          </Branch>
        </PricingBranch>
        <ShippingBranch>
          <Branch>
            <BranchID>1</BranchID>
            <BranchName>Branch 1</BranchName>
            <Entity>
              <EntityID>1948</EntityID>
              <!-- Omitted in this manual for brevity -->
            </Entity>
          </Branch>
        </ShippingBranch>
        <BillTo>
          <Entity>
            <EntityID>25385</EntityID>
            <!-- Omitted in this manual for brevity -->
          </Entity>
        </BillTo>
        <ShipTo>
          <Entity>
            <EntityID>25462</EntityID>
            <!-- Omitted in this manual for brevity -->
          </Entity>
        </ShipTo>
        <CustomerPO>S1391655.0001</CustomerPO>
        <GenerationID>0001</GenerationID>
        <InsideSalesPerson>
          <EclipseID>BEENEY</EclipseID>
        </InsideSalesPerson>
        <InternalNotes>Some Internal notes and stuff....
These are how they look once parsing
is done
This one's on a new line in the XML</InternalNotes>
      <OrderDate>
        <Date>06/17/2003</Date>
      </OrderDate>
      <OrderedBy>
        <Description>TheDude</Description>
      </OrderedBy>
```

```

<OrderStatus Code="A">A-Ship When Available</OrderStatus>
<Currency>US$</Currency>
<RequiredDate>
  <Date>06/17/2003</Date>
</RequiredDate>
<ShipDate>
  <Date>06/17/2003</Date>
</ShipDate>
<ShippingInformation>
  <Address>
    <StreetLineOne>1 Street Dr.</StreetLineOne>
    <StreetLineTwo>Box 5</StreetLineTwo>
    <City>BIRMINGHAM</City>
    <State>MI</State>
    <PostalCode>48009-1850</PostalCode>
    <Country></Country>
  </Address>
  <ShipVia>
    <ShipViaID>OT OUR TRUCK</ShipViaID>
    <Description>OT O</Description>
  </ShipVia>
  <Instructions>Be careful, Mr. PostMan!</Instructions>
</ShippingInformation>
<TaxExemptCode>
  <Code>EXEMPT</Code>
</TaxExemptCode>
<TaxExemptID>87990838</TaxExemptID>
<TaxJurisdiction>260110734011</TaxJurisdiction>
<Telephone>
  <Number>303-966-6669</Number>
  <Code></Code>
  <Description></Description>
</Telephone>
<WrittenBy>
  <EclipseID>WOE</EclipseID>
</WrittenBy>
</OrderHeader>
<LineItemList>
  <LineItem>
    <LineItemID>1</LineItemID>
    <PartIdentifiers>
      <EclipsePartNumber>410652</EclipsePartNumber>
      <CustomerPartNumberList>
        <CustomerPartNumber>GLOW50</CustomerPartNumber>
      </CustomerPartNumberList>
      <ProductKeywords>bright honking radioactive
goo</ProductKeywords>
      <Description>Raver MouthGlower Glowstick</Description>
    </PartIdentifiers>
    <LineItemPrice>
      <UnitPrice>3.570000000</UnitPrice>
      <ExtendedPrice>7.140000000</ExtendedPrice>
    </LineItemPrice>
    <QtyOrdered>
      <Quantity UOM="pk" UMQT="3">2</Quantity>
    </QtyOrdered>
    <QtyShipped>
      <Quantity UOM="pk" UMQT="3">2</Quantity>
    </QtyShipped>
    <LineItemCommentList>
      <LineItemComment Type="1">Your # GLOW50 Request
GREEN</LineItemComment>
    </LineItemCommentList>
  </LineItem>

```

```

    <LineItem>
      <LineItemID>2</LineItemID>
      <PartIdentifiers>
        <EclipsePartNumber>410646</EclipsePartNumber>
        <CatalogNumber>99284377539</CatalogNumber>
        <ProductKeywords>CDS 7U8G9 GJI</ProductKeywords>
        <Description>Raver Baby-T ER 1CX/CDS</Description>
      </PartIdentifiers>
      <LineItemPrice>
        <UnitPrice>18.990000000</UnitPrice>
        <ExtendedPrice>94.950000000</ExtendedPrice>
      </LineItemPrice>
      <QtyOrdered>
        <Quantity UOM="ea" UMQT="1">5</Quantity>
      </QtyOrdered>
      <QtyShipped>
        <Quantity UOM="ea" UMQT="1">5</Quantity>
      </QtyShipped>
      <LineItemCommentList>
        <LineItemComment Type="1">XX Small</LineItemComment>
      </LineItemCommentList>
    </LineItem>
    <OrderLineComment>
      <LineItemID>3</LineItemID>
      <LineItemCommentList>
        <LineItemComment Type="1">Fragile orders require extra
attention</LineItemComment>
      </LineItemCommentList>
    </OrderLineComment>
  </LineItemList>
  <OrderTotals>
    <Subtotal>102.09</Subtotal>
    <Tax>0.00</Tax>
    <FederalExciseTax>0.00</FederalExciseTax>
    <Freight>0.00</Freight>
    <Handling>0.00</Handling>
    <Payment>
      <Amount>0.00</Amount>
      <Date></Date>
    </Payment>
    <Discount>
      <ROEDiscount>0.00</ROEDiscount>
      <CashDiscount>
        <Amount>0.00</Amount>
        <Percentage>0.00</Percentage>
        <Date></Date>
      </CashDiscount>
    </Discount>
    <Total>102.09</Total>
  </OrderTotals>
</SalesOrder>
<StatusResult Success="Yes">
  <Description>Sales Order submitted successfully.</Description>
</StatusResult>
</SalesOrderSubmitResponse>
</IDMS-XML>

```

ShipViaInquiry

General

Purpose	This transaction is used to inquire about the available ship via methods the system offers
Request/Response	Request
Corresponding Transaction Tag	ShipViaInquiryResponse
Secure Transaction?	Yes

Field Summary

Security (Required) This is the standard `Security` tag, which can contain either a `Login` tag or a `SessionID` tag.

- **Login*** (Required) For the login type of `Security` tag.
 - **LoginID** (Required) This is the login for the requesting user.
 - **Password** (Required) This is the password for the requesting user.
- **SessionID*** (Required) Alternative to `Login` tag. You can use a pre-assigned session ID may be used.

* Either the `Login` or `SessionID` tag is required.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ShipViaInquiry>
    <Security>
      <Login>
        <LoginID>ECLIPSE</LoginID>
        <Password>TEST</Password>
      </Login>
    </Security>
  </ShipViaInquiry>
</IDMS-XML>
```

ShipViaInquiryResponse

General

Purpose	This transaction is used to inquire about the available ship via methods the system offers
Request/Response	Response
Corresponding Transaction Tag	ShipViaInquiry
Secure Transaction?	Yes

Field Summary

SessionID The assigned session ID.

ShipViaList..... The list of available ship via methods provided no errors occur.

→ **ShipVia** *(Required)* Information about each of the available ship via methods is given in one or more of these tags.

→ **ShipViaID** *(Required)* The internal Eclipse ID of this ship via method.

→ **Description** Additional description of this ship via method.

StatusResult *(Required)* This tag describes the status of the response side of this transaction.

→ **(Attributes)**..... The following are the attributes for this tag.

→ **Success**..... *(Required)* Was the transaction successful? Valid choices: yes or no.

→ **Description** *(Required)* Free-form text field describing the status.

→ **ErrorMessageList*** A list of any errors encountered in the transaction.

→ **ErrorMessage** *(Required)* Description specific errors encountered are given in one or more of these tags.

* ErrorMessageList is required, if there are any errors, such as when Success is No.

Example XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE IDMS-XML SYSTEM "http://www.eclipseinc.com/dtd/IDMS-XML.dtd">
<IDMS-XML>
  <ShipViaInquiryResponse>
    <SessionID>J7989737581</SessionID>
    <ShipViaList>
      <ShipVia>
        <ShipViaID>210N30</ShipViaID>
        <Description>Test</Description>
      </ShipVia>
      <ShipVia>
        <ShipViaID>64 IMPALA</ShipViaID>
        <Description>64 I</Description>
      </ShipVia>
      <ShipVia>
        <ShipViaID>ABC TEST</ShipViaID>
        <Description>ABC</Description>
      </ShipVia>
      <ShipVia>
        <ShipViaID>AIRBORNE</ShipViaID>
        <Description>AIRB</Description>
      </ShipVia>
    </ShipViaList>
  </ShipViaInquiryResponse>
</IDMS-XML>
```



```

</ShipVia>
<ShipVia>
  <ShipViaID>AIRPLANE</ShipViaID>
  <Description>air</Description>
</ShipVia>
<ShipVia>
  <ShipViaID>ALLFOW PU</ShipViaID>
  <Description>AFPU</Description>
</ShipVia>
<ShipVia>
  <ShipViaID>ANDYS TRUCK</ShipViaID>
  <Description>ANDY</Description>
</ShipVia>
<ShipVia>
  <ShipViaID>ANNE'S TRUCK</ShipViaID>
  <Description>AMM</Description>
</ShipVia>
<ShipVia>
  <ShipViaID>BCM TEST</ShipViaID>
  <Description>BCMT</Description>
</ShipVia>
<ShipVia>
  <ShipViaID>BEST WAY</ShipViaID>
  <Description>BEST</Description>
</ShipVia>
  <!-- Remainder omitted in this manual for brevity -->
</ShipViaList>
<StatusResult Success="Yes">
  <Description>Ship-Via list retrieved successfully.</Description>
</StatusResult>
</ShipViaInquiryResponse>
</IDMS-XML>

```

Appendix A

Control Maintenance Records

The following control maintenance records allow the system administrator to control specific behaviors of the IDMS-XML system. The section serves to present the controls that are made available and to define exactly how these controls function.

A/R Aging Bucket Names

Allows the user to specify the actual text used when describing how “Current” an account’s A/R is. For the purposes of IDMS-XML, this is used in the `AccountHistoryInquiryResponse` tag, and the “6 Col Display” values are used.

CONTROL ID: AR.AGING.BUCKET.NAMES

A/R Aging Bucket Names			
Standard	6 Col	5 Col	In
Names	Display	Display	Col
Future	Future	Future	Fut
Current	Current	Current	Cur
31-60	31-60	31-60	31+
61-90	61-90	61-90	61+
91-120	91-120	91-120	91+
Over120	Over120	NOTUSED	120
Log			

HTTP.TRANSFER Uses Curl

Allows the user to specify if the outbound XML transactions are to be sent using the UNIX “curl” program. If set to “N”, the system defaults to using the new UniVerse sockets interface.

Important: This control record is populated during installation, and should only be updated by Eclipse programmers experienced in the system during specific, major upgrades to the system.

CONTROL ID: CURL.HTTP.TRANSFER

Control Parameter Maintenance	
HTTP.TRANSFER uses curl : N	
Log	

IDMS-XML Admin Message User/Group

Allows the user to specify the Eclipse user ID or user group that receives messages generated by the IDMS-XML inbound invoicing system. When the system receives invoices from its vendors, any issues in processing the invoices that the system encounters will be sent to the user or group specified by this control record.

CONTROL ID: IX.ADM.MSG.ID

Control Parameter Maintenance	
IDMS-XML Admin Message User/Group : ECLIPSE	
Log	

Assign IDMS-XML Invoices to A/P Branch

Allows the user to override the A/P branch used on inbound invoices. If this is left blank, the inbound invoices default to use the GL branch of the PO that is being invoiced.

CONTROL ID: IX.AP.INVOICES

Assign IDMS-XML Invoices To A/P Branch	
Br/Tr/All: ALL	
Brch	
1	2
1MAG	4
2	4
3	2
4	2
5	1
6	1
8	
9	
9W	
10	
11	
12	
13	
14	

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Clear All Set All Copy Find Expand Log

Archive IDMS-XML Transactions

Allows the user to turn on and off the XML Archive for IDMS-XML. This should be used on sites that use the IDMS-XML system very heavily and do not have the system resources (disk space) to store every transaction the system processes.

CONTROL ID: IX.ARCHIVE.TOGGLE

Control Parameter Maintenance	
Archive IDMS-XML Transactions : Y	
Log	

Branch That Controls Branch That Receives Credit For The Sale

Allows the user to select which branch on a sales order that the **Branch That Receives Credit For The Sale** control maintenance record uses to determine which branch records the G/L Postings for an order segment. Options include: pricing, shipping, terminal, and user home.

Control Parameter Maintenance	
Branch That Controls Branch That Receives Credit For The Sale :	
Log	

Branch That Receives Credit For The Sale

Allows the user for each branch, select the accounting postings to make for orders generated when the pricing branch and shipping branch are not the same. Select from the following options: pricing, shipping, terminal, and user home.

Branch That Receives Credit For The Sale	
Br/Tr/All: ALL	
Brch	
1	Shipping
1 M	Shipping
M 1	Pricing
1AU1	Pricing
1R	
1RF1	Pricing
2	Shipping
2AU2	Pricing
3	Pricing
3AU3	Pricing
03S	Pricing
4	Pricing
04E	Pricing
4G	
04H	Pricing
Clear All Set All Copy Find Expand Log	

IDMS-XML Default Branch Availability Display

When the system determines product availability to display to a specific customer, it first determines which branch's inventory to include in the displayed quantity available. This control record allows the user to specify which branches a customer's availability display includes. Valid choices include: "Ship Branch", "Home Territory", "Auth Branches", and "All Branches". The branches included in the first three of these choices are all defined in Customer Maintenance.

CONTROL ID: IX.AVAIL.BRANCHES

Control Parameter Maintenance	
IDMS-XML Display Availability For : All Branches	
Log	

New IDMS-XML Contact Template

Allows the user to specify a contact to be used as a template when creating new contacts through the IDMS-XML system. Populate this control record with an existing “dummy” template contact in the Eclipse system. All the data fields that Eclipse stores for contacts in its system that are not made available in the `Contact` tag can be set to default values using this template contact.

CONTROL ID: IX.CONT.TEMPLATE

Control Parameter Maintenance	
New IDMS-XML Contact Template : *** CONTACT TEMPLATE ***	
Log	

New IDMS-XML Customer Template

Allows the user to specify a customer to be used as a template when creating new customers through the IDMS-XML system. Populate this control record with an existing “dummy” template customer in the Eclipse system. All the data fields that Eclipse stores for customers in its system that are not made available in the `Entity` tag can be set to default values using this template customer.

CONTROL ID: IX.CUS.TEMPLATE

Control Parameter Maintenance	
New IDMS-XML Customer Template : IX Customer Template	
Log	

IDMS-XML Default Sales Order Writer

Allows the user to specify a default user ID to be used when filling in the **Writer** field of new sales orders. If a `SalesOrderSubmit` transaction comes into the system and does not populate the `Writer` tag, then the system uses the value from this control record instead, if it is populated.

CONTROL ID: IX.DEFAULT.WRITER

Control Parameter Maintenance	
IDMS-XML Default Sales Order Writer : WEB-GEN	
Log	

IDMS-XML Default Part # Used For Creating A Nonstock Item

When processing `SalesOrderSubmit` transactions, the system may encounter a product being requested that it cannot identify. In this situation, one of two behaviors can be produced.

- 1.) If this control record is *not* filled in, then the order creation request fails and returns an error to the requesting customer through the IDMS-XML `SalesOrderSubmitResponse`. No order is created in the Eclipse system.
- 2.) If this control record *is* filled in, then the system adds a nonstock item to the order, using the product defined by this control record as a template, and the system continues processing the order.

CONTROL ID: IX.DFLT.PN

Control Parameter Maintenance	
IDMS-XML Default Part # Used For Creating A Nonstock Item : 1001994	
Log	

Default IDMS-XML Sales Source

When processing `SalesOrderSubmit` transactions, the system must determine a GL account to use as the sales source use for the new order. This control record allows the user to define which GL account to use for the sales source of new orders that come into the system through IDMS-XML.

CONTROL ID: IX.DFLT.SALES.SRC

Control Parameter Maintenance	
Default IDMS-XML Sales Source : OTHER	
Log	

Order Statuses Displayed in IDMS-XML

Allows the user to specify the actual text used to describe the various order statuses that the Eclipse system uses to describe orders in the `OpenOrderInquiryResponse` tag. For the four available order statuses, any text may be used to describe them.

CONTROL ID: IX.ORDER.STATUSES

Order Statuses Displayed In IDMS-XML	
Open Bid	: Submitted
Open Order	: In-Process
Invoiced	: Open Balance
Paid	: Completed
Log	Defaults

IDMS-XML Processing Routines

Allows the user to specify the routines (programs) used to process the various inbound transaction requests.

Important: This control record is filled in during installation, and should only be updated by programmers experienced in the IDMS-XML system during specific upgrades to the system.

CONTROL ID: IX.PROCESSORS

IDMS-XML Processors	
Request Tag	: SalesOrderSubmit
Processor	: IX.PROC.ORDER.SUBMIT
Response Tag	: SalesOrderSubmitResponse
Insecure (Y/N)	: N
Log	Delete
F12 - Abort	

IDMS-XML Session Lifetime In Minutes

Allows the user to specify how long any IDMS-XML session remains valid. After the specified number of minutes has passed, in which a particular SessionID has not been used, this SessionID deletes from the system, thus invalidating the session and requiring the requester to log in again.

CONTROL ID: IX.SESSION.EXPIRE

Control Parameter Maintenance	
IDMS-XML Session Lifetime In Minutes : 30	
Log	

Disable Checking Part #'s, UOM's, And Qty's On IDMS-XML Invoices

Allows the user to specify if the system should pay attention to discrepancies in the part numbers, unit-of-measures, and quantities when checking the validity of inbound invoices.

CONTROL ID: IX.SKIP.CHECKING

Control Parameter Maintenance	
Disable Checking Part #'s, UOM's, And Qty's On IDMS-XML Invoices : N	
Log	

IDMS-XML URL To Local xPost Servlet

Allows the user to specify the URL to the local xPost servlet. If the Eclipse xServ and xPost servlets are installed on the system, then this control record must be populated with a URL that the Eclipse system can use to access the xPost servlet residing on the system's web server.

Important: This control record is filled in during installation, and should only be updated by programmers experienced in the IDMS-XML system during specific upgrades to the system.

CONTROL ID: XPOST.URL

Control Parameter Maintenance	
URL To xPost Servlet : http://webserver/xServ/xPost	
Log	

Appendix B

Suggested Element Credit Card Implementation

1. Post an `ElementAccountSetup` transaction that includes the non-sensitive information gathered from the customer about their credit card. Along with a URL for the element session to return the user to and append the transaction results. Redirect the user to the `ElementSetupUrl` returned in the results and save/note the `ElementSetupId` for later use. The returned session will be valid for 5 minutes.
2. On the return URL page “scrape” the document location to obtain the `HostedPaymentStatus` and check if it is set to “Cancelled”. If it is not “Cancelled” then scrape for the `ExpressResponseCode`. If the `ExpressResponse` code is “0” then the payment account creation was successful. `PaymentAccountId` is also available if you do not want to perform an `ElementSetupQuery` transaction next, however you will have to construct the `CreditCard` element instead of receiving it from Eclipse.
3. Perform an `ElementSetupQuery` using the `ElementSetupId` returned in the `ElementAccountSetupResponse`. If an Element payment account was created for that Element session a `CreditCard` element and sub-elements will be returned (Note the new sub-element `ElementPaymentAccountId`). You must now take this `CreditCard` element and use it in 3 possible ways.

Associate the card to:

- A customer by including the customer’s current cards as well as the new card in an `EntityUpdateSubmit`.
- A contact by including the contact’s current cards as well as the new card in an `ContactUpdateSubmit`.
- An order by including the `CreditCard` in a `SalesOrderSubmit`. This card is now associated to this order and may not be added to a different order, a customer, nor a contact.

Note: The only updatable elements of an Element `CreditCard` are: `CardHolder`, `ExpirationDate`, `StreetAddress`, and `PostalCode`. *The new XML element, `ElementPaymentAccountId` is now required for all `CreditCard` XML blocks.*