

Oracle® MICROS Symphony First Edition
Transaction Services WSDL Explanation
Version 1.8 and Later

November 2020

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1 Revision History

Date	Version	Description
June 27, 2010	1.00	Initial publication
October 19, 2011	1.54	1.5 MR4 Release Revision
February 13, 2012	1.55	GetTransaction request new parameters
February 15, 2012	1.55	GetTransaction request new parameters
March 09, 2012	1.55	GetConfigInfo request new request data method GetEmployee PostNewTransaction and PostToTransaction new parameter EmployeeNumber
March 21, 2012	1.55	New tag PreviousRound
May 07, 2012	1.55	New CreditCardAuth and CreditCardFinal
May 22, 2012	1.55	Autofire information
June 28, 2012	1.55	New elements for Tax Total Break Down
July 27, 2012	1.55	New elements ChangeDueTotal for Totals tag
September 9, 2013	1.5.501	Updated PriceLevelIDRef comments for PostNewTransactionRequest and PostToTransactionRequest
September 27, 2013	1.6.0009	Added Order Type Order Device Routing support
March 25, 2014	1.6.800.44	Added new field ImageURI and FriendlyDescription
July 2, 2014	1.6.0900.96	Added new field ValueAddedTaxTotalBreakDown
September 2017	1.6.0900.96	Added Chapter 6 - Secure Development Guide
May 2018	1.6.0900.96	Added to 9.2.1.5 Customer - First and Last Name character limitations
November 2019	1.7.x and later	Updated release number on title page
January 2020	1.8	Updated the product name on the title page
November 2020	1.8.x and later	Updated the product version on the title page.

2 Introduction

This document contains detailed information on the Web Service Description Language (WSDL) document used by third party applications to create checks in a POS via Transaction Services. The Web Ordering WSDL does not support any methods for retrieving record definitions (i.e. menu item definitions) from the POS. In order to retrieve record definitions, a web service consumer must utilize the Data Access methods supported by Transaction Services.

3 Related Documents

This document does not outline all aspects of Transaction Services. Please reference the following documents concerning non-WSDL related matters.

Document Name	Comments
<i>Transaction Services Overview and Troubleshooting</i>	This document gives the overview of Transaction services
<i>Transaction Service Guide</i>	This document describes installing Transaction Services

4 Terminology and Abbreviations

Term/Abbreviation	Explanation
<i>Web Service Description Language</i>	This is an XML language that defines communication between a web service consumer (client) and a web service (server).
<i>WSDL</i>	<i>Web Service Description Language</i> – At times, the WSDL document that describes the communication between a client and Transaction Services will be referred to as a WSDL rather than a WSDL document.
<i>Web Service</i>	This is the application providing some set of services to a client. These two entities communicate using a known WSDL document. For the purposes of this document, Transaction Services is a <i>Web Service</i> .
<i>Web Service Consumer</i>	This is the client application taking advantage of the services provided by a <i>Web Service</i> .
<i>WSC</i>	<i>Web Service Consumer</i>
<i>TS</i>	<i>Transaction Services</i>
<i>Transaction Services Data Access</i>	This is the component of Transaction Services that allows data definitions to be exported from the Symphony system. Examples of data definitions exported include menu items and tenders.
<i>Data Access</i>	Abbreviation for <i>Transaction Services Data Access</i>
<i>Transaction Services Web Ordering</i>	This is the component of Transaction Services that allows a third party application acting as a web service consumer to create checks within the Symphony system.
<i>Web Ordering</i>	Abbreviation for <i>Transaction Services Web Ordering</i>
<i>POS</i>	Point of Sale
<i>RVC</i>	Revenue Center

5 Naming Conventions

Operation names appear in green italics. Example: *GetConfigInfo*

Data types defined by the WSDL appear in blue. Example: *GetConfigInfoResponse*

Values for data types appear in purple italics. Example: *123*

6 Secure Development Guide

Transaction Services secure development guidelines are provided to help developers build secure solutions that integrate with Oracle Hospitality Symphony First Edition.

1. Communications with Symphony First Edition should be performed over a secure connection using TLS 1.2 or higher.
2. Applications consuming the Transaction Services WSDL should protect any sensitive customer data stored at rest.
 - A minimum AES256 encryption should be used
 - Encryption keys should not be stored with encrypted data
3. Applications should not write sensitive data (customer information, credit card numbers, email addresses etc.) into application log files.
4. Do not embed hard coded usernames, passwords, encryption keys, etc. into the application.
5. Where a login is required, applications should implement a strong password policy.
 - Minimum password length
 - Combination of letters and numbers
 - No dictionary words
6. When using a database, limit user privileges to the minimum required by the application.
7. Applications integrating with the Symphony First Edition should be built with the latest components to ensure that the latest security patches are included.
8. Applications consuming the Transaction Services WSDL should follow the OWASP standards listed here: <https://www.owasp.org>
9. Third Party applications should be developed and tested using security testing tools to prevent vulnerabilities in the application.

7 Use Cases

This section outlines some typical use cases. The remainder of this document will demonstrate how these transactions can be carried out between the WSC and TS.

7.1 Case 1

A casino has a series of kiosks that allow customers to order food. A customer may choose to pay by cash or credit. Once the kiosk has accepted the customer's payment, the kiosk immediately sends the food order to the Kitchen Display System to inform the cooks what should be prepared. The Kiosk will also print a guest check or customer receipt on one of the POS printers.

7.2 Case 2

At midnight, a kiosk updates its list of menu item prices. The kiosks request a list of menu item definitions of a single RVC from Transaction Services.

7.3 Case 3

Kiosk requests to check if the Egateway server and database is up.

8 WSDL Message Overview

8.1 Operations Supported by WSDL

Operation	Use
<i>GetConfigInfo</i>	Returns Configuration Information based on Configuration request. Configuration information contains Modifier (Condiment) Definitions, Menu Item Definitions, Out of Menu Item Definitions, Service Charge Definitions, Discount Promotion Definitions, Tender Definition, Order Type Definitions, Language Definitions and General Parameter Definitions.
<i>PostNewTransaction</i>	Given a set of check details, this web method will create a check, send menu items to order devices, authorize credit card payment, print CC voucher and perform any other POS operations as dictated by POS configuration.
<i>PostToTransaction</i>	Allow multiple service rounds for adding menu items and check detail items to existing open checks.
<i>GetTransaction</i>	This message retrieves a list of open or closed checks for a given set of parameters. If optional parameter check GUID is specific, this message will retrieve the specific check with the given check GUID.
<i>CalculateTotals</i>	Given a set of check details calculates Totals for the check that could be created with the same check details.
<i>PingServer</i>	This web method can be used to check if the server and database is up or down.

9 WSDL Field Explanations

† - Indicates that the data type is defined in a section that follows the current section

†† - Indicates that the data type is defined within the “Common Data Types” section

Abbreviations:

Int16: signed 16-bit integer

Int32: signed 32-bit integer

Int64: signed 64-bit integer

Bool: boolean

uByte: unsigned byte

Req: required

Nil: nillable – contents of XML node may be empty

9.1 GetConfigInfo

GetConfigInfo returns Configuration Information based on Configuration request. Configuration information contains Modifier (Condiment) Definitions, Menu Item Definitions, Out of Menu Item Definitions, Service Charge Definitions, Discount Promotion Definitions, Tender Definition, Order Type Definitions, Language Definitions and General Parameter Definitions.

9.1.1 GetConfigInfoRequest

Name	Type	Data Type	Use	Comments
GetConfigInfo	Element	GetConfigInfoRequest ††	Req	Indicates location info, revenue center info, request elements, extensions if any, request headers and translation specifiers.

9.1.1.1 GetConfigInfoRequest

Name	Type	Data Type	Use	Comments
locationRefField	Element	string	Req	Indicates location info
revenueCenterRefField	Element	string	Req	Indicates revenue center info
requestElementField	Element	GetConfigInfoRequestElement ††	Req	Indicates info type, range start and range end fields. Range fields are for future use.
extensionsField	Element	Extensions ††	Nil	Indicates Extensions if any.
requestHeaderField	Element	RequestHeader ††	Req	Indicates application name, Interface version and extensions if any.
translationSpecifiersField	Element	string	Req	Indicates list of translation specifiers.

9.1.1.1.1 GetConfigInfoRequestElement

Name	Type	Data Type	Use	Comments
infoTypeField	Element	ConfigInfoRequestType ††	Req	Indicates requested type of config Info like Modifier , Menu Item , Out Of Menu Item , Service Charge , Discount Promotion , Tender Definition , Order Type Definition , Languages and General parameter Definitions.

Name	Type	Data Type	Use	Comments
rangeStartField	Element	string	Nil	Indicates range start. (Future use)
rangeEndField	Element	string	Nil	Indicates range end. (Future use)

9.1.1.1.2 Extensions

Name	Type	Data Type	Use	Comments
getEmployeesField	Element	GetEmployeesElement ††	Nil	Indicates request type of GetEmployees by Employee ID, Employee Number, or Clocked Status.

9.1.1.1.3 Get Employees

Name	Type	Data Type	Use	Comments
employeeIdField	Element	integer	Req	Indicates search criteria by Employee ID, as a Sign-In Pin or Employee Magnetic Card ID Number.
employeeNumberField	Element	integer	Req	Indicates search criteria by Employee Number..
clockedInField	Element	bool	Req	Indicates search criteria by Employee Clocked In Status.

9.1.1.1.4 Request Header

Name	Type	Data Type	Use	Comments
applicationNameField	Element	string	Req	Indicates application name
interfaceVersionField	Element	string	Nil	Indicates interface version
extensionsField	Element	object	Nil	Indicates Extensions if any.

9.1.2 GetConfigInfoResponse

Name	Type	Data Type	Use	Comments
GetConfigInfoResponse	Element	GetConfigInfoResponse ††	Req	Indicates location info, revenue center info, response result, base currency, extensions if any, modifiers, menu items, out of menu items, Discount promotion, service charges, tender types, order types, available languages and

Name	Type	Data Type	Use	Comments
				general parameter definitions.

9.1.2.1 GetConfigInfoResponse

Name	Type	Data Type	Use	Comments
locationRefField	Element	string	Req	Indicates location info
revenueCenterRefField	Element	string	Req	Indicates revenue center info
resultField	Element	ResponseResult ††	Req	Indicates interface version, response result, success filed, response error code, response error message.
baseCurrencyDescriptorField	Element	string	Req	Indicates base currency descriptor.
Extensions	Element	Extensions ††	Req	Indicates Extensions if any.
modifierGroupDefsField	Element	ModifierGroupDefinition ††	Req	Indicates list of Modifiers. (Condiments)
menuItemsField	Element	MenuItemDefinition ††	Req	Indicates list of Menu Items.
outOfmenuItemsField	Element	MenuItemDefinition ††	Req	Indicates list of Out of menu Items. (86d menu Items)
MenuItemPrice	Element	MenuItemDefinitionPrice ††	Req	Indicates list of Menu Item Prices.
discountPromotionsField	Element	DiscountPromotionDefinition ††	Req	Indicates list of available discounts.
serviceChargesField	Element	ServiceChargeDefinition ††	Req	Indicates list of Service charges.
tendersField	Element	TenderDefinition ††	Req	Indicates list of Tender Media Definitions.
orderTypesField	Element	OrderTypeDefinition ††	Req	Indicates list of Order types.
languagesField	Element	AvailableLanguage ††	Req	Indicates list of available languages.
generalParametersField	Element	GeneralParameterDefinition ††	Req	Indicates list of general parameters.

9.1.2.1 ResponseResult

Name	Type	Data Type	Use	Comments
interfaceVersionField	Element	string	Req	Indicates interface version
resultField	Element	ResponseResultResult ††	Req	Indicates response result code and message.

9.1.2.2 Extensions

Name	Type	Data Type	Use	Comments
LocationId	Element	string	Req	Indicates Report Location ID
MenuItemSLUs	Element	MenuItemSLUs††	Nil	Indicates list of Menu Items Screen Lookups.
Employees	Element	Employees††	Nil	Indicates list of Employees.

9.1.2.3 ResponseResultResult

Name	Type	Data Type	Use	Comments
successField	Element	bool	Req	Indicates response status.
errorField	Element	ResponseResultResultError††	Req	Indicates response result code and message.

9.1.2.4 ResponseResultResultError

Name	Type	Data Type	Use	Comments
extensionsField	Element	object	Req	Indicates Extensions if any.
codeField	Element	string	Req	Indicates Response result code.
messageField	Element	string	Req	Indicates Response result message.

9.1.2.5 ModifierGroupDefinition

Name	Type	Data Type	Use	Comments
nameField	Element	TranslationsTranslation††	Req	Indicates list of key value pairs of ISO codes and corresponding text.
idRefField	Element	string	Req	Indicates ID of the Modifier.

9.1.2.6 TranslationsTranslation

Name	Type	Data Type	Use	Comments
iSOCodeField	Element	string	Req	Indicates ISO Code.
textField	Element	string	Req	Indicates corresponding string value.

9.1.2.7 MenuItemDefinition

Name	Type	Data Type	Use	Comments
imagesOrBinaryContentField	Element	BinaryContentBinaryImageOrVideo ††	Req	Indicates if the content is Binary Image or Video (Future use)
modifierGroupMembershipField	Element	string	Req	Indicates Menu Item member Group.
modifiersRequiredField	Element	MenuItemDefinitionModifiersRequired ††	Req	Indicates if Menu Item is required.
modifiersAllowedField	Element	MenuItemDefinitionModifiersAllowed ††	Req	Indicates if Menu Item is allowed.
priceField	Element	MenuItemDefinitionPrice ††	Req	Indicates Menu Item price.
Extensions	Element	Extensions ††	Req	Indicates extensions if any.
nameField	Element	TranslationsTranslation ††	Req	Indicates Menu Item Name.
otherNamesField	Element	MenuItemDefinitionOtherNames ††	Req	Indicates Menu Item other name. (Future use)
groupField	Element	string	Req	Indicates Menu Item Major Group.
subGroupField	Element	string	Req	Indicates Menu Item Family Group.
displayCategoryField	Element	string	Req	Indicates Menu Item SLU Number.
idRefField	Element	string	Req	Indicates Menu Item ID.
outOfItemField	Element	bool	Req	Indicates if Out of Menu Item.(86d Menu Item)
outOfItemFieldSpecified	Element	bool	Req	Indicates if out of item field specified.

9.1.2.8 Extensions

Name	Type	Data Type	Use	Comments
NluNumber	Element	integer	Req	Indicates Menu Item NLU Number.
ImageURI	Element	string	Req	Indicates Menu Item Image URI.
FriendlyDescription	Element	TranslationsTranslation ††	Req	Indicates Menu Item Friendly Description.

9.1.2.9 MenuItemSLUs

Name	Type	Data Type	Use	Comments
MenuItemSLU	Element	MenuItemSLUDefinition ††	Req	Indicates Menu Item Screen Lookup.

9.1.2.10 MenuItemSLUDefinition

Name	Type	Data Type	Use	Comments
id	Element	integer	Req	Indicates the Menu Item Screen Lookup ID.
menuitemSLUName	Element	TranslationsTranslation ††	Req	Indicates Menu Item Screen Lookup name value.
menuitemSLUMMHName	Element	TranslationsTranslation ††	Req	Indicates Mobile Handhold Device Menu Item Screen Lookup name value.

9.1.2.11 Discount Promotion Definition

Name	Type	Data Type	Use	Comments
imagesOrBinaryContentField	Element	BinaryContentBinaryImageOrVideo ††	Req	Indicates if the content is Binary Image or Video. (Future use)
extensionsField	Element	object	Req	Indicates extensions if any.

Name	Type	Data Type	Use	Comments
nameField	Element	TranslationsTranslation††	Req	Indicates Item Name.
idRefField	Element	string	Req	Indicates Item ID.
percentField	Element	decimal	Req	Indicates the discount in percentage or amount. (Future use)
percentFieldSpecified	Element	bool	Req	Indicates if the percentage field is percent or not. (Future use)
typeField	Element	string	Req	Indicates percentage type is percent or amount. (Future use)

9.1.2.12 Service Charge Definition

Name	Type	Data Type	Use	Comments
imagesOrBinaryContentField	Element	BinaryContentBinaryImageOrVideo††	Req	Indicates if the content is Binary Image or Video. (Future use)
extensionsField	Element	object	Req	Indicates extensions if any.
nameField	Element	TranslationsTranslation††	Req	Indicates Item Name.
percentField	Element	decimal	Req	Indicates the discount in percentage or amount. (Future use)
percentFieldSpecified	Element	bool	Req	Indicates if the percentage field is percent or not. (Future use)
typeField	Element	string	Req	Indicates percentage type is percent or amount. (Future use)
idRefField	Element	string	Req	Indicates Item ID.

9.1.2.13 TenderDefinition

Name	Type	Data Type	Use	Comments
imagesOrBinaryContentField	Element	BinaryContentBinaryImageOrVideo††	Req	Indicates if the content is Binary Image or Video. (Future use)
extensionsField	Element	object	Req	Indicates extensions if any.
nameField	Element	TranslationsTranslation††	Req	Indicates Item Name.
typeField	Element	string	Req	Indicates type. (Future use)
subTypeField	Element	string	Req	Indicates sub type. (Future use)
idRefField	Element	string	Req	Indicates Item ID.

9.1.2.14 OrderTypeDefinition

Name	Type	Data Type	Use	Comments
nameField	Element	TranslationsTranslation††	Req	Indicates Item Name.
priceLevelIDRefField	Element	string	Req	Indicates Price level ID (Not used)
extensionsField	Element	object	Req	Indicates extensions if any.
idRefField	Element	string	Req	Indicates Item ID.
isDefaultField	Element	bool	Req	Indicates if Default Type.
isDefaultFieldSpecified	Element	bool	Req	Indicates if default type specified. (Always true)

9.1.2.15 AvailableLanguage

Name	Type	Data Type	Use	Comments
nameField	Element	TranslationsTranslation††	Req	Indicates list of key value pairs of ISO codes and corresponding text.
extensionsField	Element	object	Req	Indicates extensions if any.
idRefField	Element	string	Req	Indicates ID of the Language.

9.1.2.16 GeneralParameterDefinition

Name	Type	Data Type	Use	Comments
nameField	Element	string	Req	Indicates name field.
valueField	Element	string	Req	Indicates value field.

9.1.2.17 BinaryContentBinaryImageOrVideo (Future use)

Name	Type	Data Type	Use	Comments
typeField	Element	string	Req	Indicates Type.
imageOrVideoField	Element	byte	Req	Indicates Image or Video Field.(Byte Array)

9.1.2.18 MenuItemDefinitionModifiersRequired

Name	Type	Data Type	Use	Comments
modifierGroupField	Element	string	Req	Indicates list of Modifier fields. (String Array)
minimumField	Element	string	Req	Indicates minimum value.
maximumField	Element	string	Req	Indicates maximum value.

9.1.2.19 MenuItemDefinitionModifiersAllowed

Name	Type	Data Type	Use	Comments
modifierGroupField	Element	string	Req	Indicates list of Modifier fields. (String Array)
minimumField	Element	string	Req	Indicates minimum value.
maximumField	Element	string	Req	Indicates maximum value.

9.1.2.20 MenuItemDefinitionPrice

Name	Type	Data Type	Use	Comments
priceLevelIDRefField	Attribute	string	Req	Indicates menu item price level ID. (Future use)
priceLevelNameField	Attribute	string	Req	Indicates menu item price level name. (Future use)
AmountField	Element	decimal	Req	Indicates menu item amount.
amountFieldSpecified	Attribute	bool	Req	Indicates if amount field specified.
startTimeField	Attribute	DateTime	Req	Indicates price validity start time. (Future use)
startTimeFieldSpecified	Attribute	bool	Req	Indicates if price validity start time specified. (Future use)

Name	Type	Data Type	Use	Comments
endTimeField	Attribute	DateTime	Req	Indicates price validity end time. (Future use)
endTimeFieldSpecified	Attribute	bool	Req	Indicates if price validity end time specified. (Future use)
menuItemPriceID	Attribute	string	Req	Indicates Menu Item Price database ID.
objectNumber	Attribute	string	Req	Indicates Menu Item Master Object Number.
menuLevelIndex	Attribute	string	Req	Indicates Menu Level which the Menu Item Price assigned.
activeFlag	Attribute	string	Req	Indicates Menu Item Price activity flag.
prepCost	Attribute	string	Req	Indicates Menu Item preparing cost.
locationId	Attribute	string	Req	Indicates Report Location ID
isDeleted	Attribute	string	Req	Indicates Menu Item Price Deleted flag.

9.1.2.21 MenuItemDefinitionOtherNames (Future use)

Name	Type	Data Type	Use	Comments
textField	Element	TranslationsTranslation ††	Req	Indicates list of key value pairs of ISO codes and corresponding text.
nameDescriptionField	Element	string	Req	Indicates other name.

9.1.2.22 Employees

Name	Type	Data Type	Use	Comments
Employee	Element	EmployeeDefinition††	Req	Indicates Employee Information.

9.1.2.23 EmployeeDefinition

Name	Type	Data Type	Use	Comments
EmployeeID	Element	integer	Req	Indicates the Employee ID, as a Sign-In Pin or Employee Magnetic Card ID Number.

Name	Type	Data Type	Use	Comments
EmployeeNumber	Element	integer	Req	Indicates the Employee Object Number.
FirstName	Element	TranslationsTranslation††	Req	Indicates first name of the employee.
LastName	Element	TranslationsTranslation††	Req	Indicates last name of the employee.
CheckName	Element	TranslationsTranslation††	Req	Indicates check name of the employee.

9.1.3 GetConfigInfo Sample XMLs

Request XML: Tender Def

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetConfigInfo xmlns="http://htng.org/PWS/2008B/Food Bev Ordering">
      <Request>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestElements>
          <InfoType>TENDERDEFINITIONS</InfoType>
        </RequestElements>
        <RequestHeader>
          <ApplicationName>1</ApplicationName>
          <InterfaceVersion>1.0</InterfaceVersion>
        </RequestHeader>
        <TranslationSpecifiers>
          <ISOCODE>1</ISOCODE>
        </TranslationSpecifiers>
      </Request>
    </GetConfigInfo>
  </soap:Body>
</soap:Envelope>
```

Response XML

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetConfigInfoResponse xmlns="http://htng.org/PWS/2008B/Food Bev Ordering">
      <Response>
```

```

<Result>
  <InterfaceVersion>1.0</InterfaceVersion>
  <Result>
    <Success>true</Success>
    <Error code="Success" message="SUCCESS" />
  </Result>
</Result>
<Tenders>
  <Def idRef="2">
    <Name>
      <Translation>
        <ISOCODE>English</ISOCODE>
        <Text>Cash</Text>
      </Translation>
    </Name>
  </Def>
  <Def idRef="3">
    <Name>
      <Translation>
        <ISOCODE>English</ISOCODE>
        <Text>Visa</Text>
      </Translation>
    </Name>
  </Def>
  <Def idRef="4">
    <Name>
      <Translation>
        <ISOCODE>English</ISOCODE>
        <Text>Check</Text>
      </Translation>
    </Name>
  </Def>
  <Def idRef="5">
    <Name>
      <Translation>
        <ISOCODE>English</ISOCODE>
        <Text>MasterCard</Text>
      </Translation>
    </Name>
  </Def>
  <Def idRef="6">
    <Name>
      <Translation>
        <ISOCODE>English</ISOCODE>
        <Text>PESO</Text>
      </Translation>
    </Name>
  </Def>
  <Def idRef="8">
    <Name>
      <Translation>

```

```

    <ISOCODE>English</ISOCODE>
    <TEXT>American Express</TEXT>
  </TRANSLATION>
</NAME>
</DEF>
<DEF IDREF="15">
  <NAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>Diners/Carte Bln</TEXT>
    </TRANSLATION>
  </NAME>
</DEF>
<DEF IDREF="18">
  <NAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>J.C.B.</TEXT>
    </TRANSLATION>
  </NAME>
</DEF>
<DEF IDREF="19">
  <NAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>Enroute</TEXT>
    </TRANSLATION>
  </NAME>
</DEF>
<DEF IDREF="20">
  <NAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>Discover/Novus</TEXT>
    </TRANSLATION>
  </NAME>
</DEF>
<DEF IDREF="25">
  <NAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>Gift Certificate</TEXT>
    </TRANSLATION>
  </NAME>
</DEF>
<DEF IDREF="29">
  <NAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>* Room Charge *</TEXT>
    </TRANSLATION>
  </NAME>
</DEF>

```

```

</Name>
</Def>
<Def idRef="30">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Offline Posting</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="31">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Room Charge</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="32">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>City Ledger</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="40">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>* Misc Service *</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="44">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Hold Order</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="45">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Seat Check</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="46">

```

```

<Name>
  <Translation>
    <ISOCODE>English</ISOCODE>
    <Text>Paid Out</Text>
  </Translation>
</Name>
</Def>
<Def idRef="47">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Tips Paid</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="48">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Reprint Check</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="49">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Service</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="50">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Print Check</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="51">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Print Seat</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="52">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>

```

```

    <Text>Auto Fire</Text>
  </Translation>
</Name>
</Def>
<Def idRef="63">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Diamond Club</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="100">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>* S & P Keys *</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="101">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Staff</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="102">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Guest Inconv</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="103">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Gold Passport</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="104">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>VIP Amenities</Text>
    </Translation>
  </Name>

```

```

</Def>
<Def idRef="105">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Sales</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="106">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Business Plan</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="107">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Group Promo</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="108">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Walkout</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="109">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Catering</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="110">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>iCARE</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="111">
  <Name>

```

```

    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>CASHOUT</Text>
    </Translation>
  </Name>
</Def>
<Def idRef="112">
  <Name>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Loyalty Points</Text>
    </Translation>
  </Name>
</Def>
</Tenders>
</Response>
</GetConfigInfoResponse>
</soap:Body>
</soap:Envelope>

```

Request XML: Employees

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetConfigInfo xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <Extensions>
          <GetEmployees>
            <EmployeeID>0</EmployeeID>
            <EmployeeNumber>0</EmployeeNumber>
            <ClockedIn>false</ClockedIn>
          </GetEmployees>
        </Extensions>
        <RequestHeader>
          <ApplicationName>31</ApplicationName>
          <InterfaceVersion>1.0</InterfaceVersion>
        </RequestHeader>
        <TranslationSpecifiers>
          <ISOCODE>1</ISOCODE>
        </TranslationSpecifiers>
      </Request>
    </GetConfigInfo>
  </soap:Body>
</soap:Envelope>

```


Response XML

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetConfigInfoResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <Extensions>
          <LocationId>2021</LocationId>
          <Employees>
            <Employee>
              <EmployeeID>9</EmployeeID>
              <EmployeeNumber>5</EmployeeNumber>
              <FirstName>
                <Translation>
                  <ISOCODE>English</ISOCODE>
                  <Text>Mike</Text>
                </Translation>
              </FirstName>
              <LastName>
                <Translation>
                  <ISOCODE>English</ISOCODE>
                  <Text>Rose</Text>
                </Translation>
              </LastName>
              <CheckName />
              <InTraining>>false</InTraining>
            </Employee>
            <Employee>
              <EmployeeID>99</EmployeeID>
              <EmployeeNumber>21</EmployeeNumber>
              <FirstName>
                <Translation>
                  <ISOCODE>English</ISOCODE>
                  <Text>Manager</Text>
                </Translation>
              </FirstName>
              <LastName>
                <Translation>
                  <ISOCODE>English</ISOCODE>
                  <Text>MICROS</Text>
                </Translation>
              </LastName>
            </Employee>
          </Employees>
        </Extensions>
      </Response>
    </GetConfigInfoResponse>
  </soap:Body>
</soap:Envelope>
```

```

</LastName>
<CheckName />
<InTraining>true</InTraining>
</Employee>
<Employee>
  <EmployeeID>1</EmployeeID>
  <EmployeeNumber>101</EmployeeNumber>
  <FirstName>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Walter</Text>
    </Translation>
  </FirstName>
  <LastName>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Reynolds</Text>
    </Translation>
  </LastName>
  <CheckName />
  <InTraining>false</InTraining>
</Employee>
<Employee>
  <EmployeeID>2</EmployeeID>
  <EmployeeNumber>102</EmployeeNumber>
  <FirstName>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Holly</Text>
    </Translation>
  </FirstName>
  <LastName>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Samuals</Text>
    </Translation>
  </LastName>
  <CheckName />
  <InTraining>false</InTraining>
</Employee>
<Employee>
  <EmployeeID>3</EmployeeID>
  <EmployeeNumber>103</EmployeeNumber>
  <FirstName>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Wendy</Text>
    </Translation>
  </FirstName>
  <LastName>
    <Translation>

```

```

    <ISOCODE>English</ISOCODE>
    <TEXT>Green</TEXT>
  </TRANSLATION>
</LASTNAME>
<CHECKNAME />
<INTRAINING>false</INTRAINING>
</EMPLOYEE>
<EMPLOYEE>
  <EMPLOYEEID>4</EMPLOYEEID>
  <EMPLOYEENUMBER>104</EMPLOYEENUMBER>
  <FIRSTNAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>Wade</TEXT>
    </TRANSLATION>
  </FIRSTNAME>
  <LASTNAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>Smith</TEXT>
    </TRANSLATION>
  </LASTNAME>
  <CHECKNAME />
  <INTRAINING>false</INTRAINING>
</EMPLOYEE>
<EMPLOYEE>
  <EMPLOYEEID>5</EMPLOYEEID>
  <EMPLOYEENUMBER>501</EMPLOYEENUMBER>
  <FIRSTNAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>Cynthia</TEXT>
    </TRANSLATION>
  </FIRSTNAME>
  <LASTNAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>Campbell</TEXT>
    </TRANSLATION>
  </LASTNAME>
  <CHECKNAME />
  <INTRAINING>false</INTRAINING>
</EMPLOYEE>
<EMPLOYEE>
  <EMPLOYEEID>10</EMPLOYEEID>
  <EMPLOYEENUMBER>502</EMPLOYEENUMBER>
  <FIRSTNAME>
    <TRANSLATION>
      <ISOCODE>English</ISOCODE>
      <TEXT>Restrict</TEXT>
    </TRANSLATION>

```

```

</FirstName>
<LastName>
  <Translation>
    <ISOCODE>English</ISOCODE>
    <Text>Manager</Text>
  </Translation>
</LastName>
<CheckName />
<InTraining>>false</InTraining>
</Employee>
<Employee>
  <EmployeeID>8</EmployeeID>
  <EmployeeNumber>503</EmployeeNumber>
  <FirstName>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Larry</Text>
    </Translation>
  </FirstName>
  <LastName>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Adams</Text>
    </Translation>
  </LastName>
  <CheckName />
  <InTraining>>false</InTraining>
</Employee>
<Employee>
  <EmployeeID>6</EmployeeID>
  <EmployeeNumber>504</EmployeeNumber>
  <FirstName>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Samantha</Text>
    </Translation>
  </FirstName>
  <LastName>
    <Translation>
      <ISOCODE>English</ISOCODE>
      <Text>Hoover</Text>
    </Translation>
  </LastName>
  <CheckName />
  <InTraining>>false</InTraining>
</Employee>
<Employee>
  <EmployeeID>7</EmployeeID>
  <EmployeeNumber>505</EmployeeNumber>
  <FirstName>
    <Translation>

```

```

    <ISOCode>English</ISOCode>
    <Text>Adam</Text>
  </Translation>
</FirstName>
<LastName>
  <Translation>
    <ISOCode>English</ISOCode>
    <Text>Shick</Text>
  </Translation>
</LastName>
<CheckName />
<InTraining>>false</InTraining>
</Employee>
<Employee>
  <EmployeeID>16</EmployeeID>
  <EmployeeNumber>701</EmployeeNumber>
  <FirstName>
    <Translation>
      <ISOCode>English</ISOCode>
      <Text>Kate</Text>
    </Translation>
  </FirstName>
  <LastName>
    <Translation>
      <ISOCode>English</ISOCode>
      <Text>Cashier</Text>
    </Translation>
  </LastName>
  <CheckName />
  <InTraining>>false</InTraining>
</Employee>
<Employee>
  <EmployeeID>2211</EmployeeID>
  <EmployeeNumber>90001</EmployeeNumber>
  <FirstName>
    <Translation>
      <ISOCode>English</ISOCode>
      <Text>MICROS</Text>
    </Translation>
  </FirstName>
  <LastName>
    <Translation>
      <ISOCode>English</ISOCode>
      <Text>MICROS</Text>
    </Translation>
  </LastName>
  <CheckName />
  <InTraining>>false</InTraining>
</Employee>
<Employee>
  <EmployeeID>4055241978</EmployeeID>

```

```
<EmployeeNumber>999999</EmployeeNumber>
<FirstName>
  <Translation>
    <ISOCODE>English</ISOCODE>
    <Text>Micros</Text>
  </Translation>
</FirstName>
<LastName>
  <Translation>
    <ISOCODE>English</ISOCODE>
    <Text>Micros Dealer</Text>
  </Translation>
</LastName>
<CheckName />
<InTraining>false</InTraining>
</Employee>
</Employees>
</Extensions>
</Response>
</GetConfigInfoResponse>
</soap:Body>
</soap:Envelope>
```

9.2 PostNewTransaction

Given a set of check details *PostNewTransaction* will create a check, send menu items to order devices, authorize credit card payment, print CC voucher and perform any other POS operations as dictated by POS configuration.

Autofire feature is supported through the DeliveryDateTime (UTC) element tag.

All menu items on an autofire checks will be in a HOLD state, which will postpone the menu items to reach to KDS displays and kitchen printers until the specific time is defined.

9.2.1 PostNewTransactionRequest

Name	Type	Data Type	Use	Comments
locationRefField	Element	string	Req	Indicates location info
revenueCenterRefField	Element	string	Req	Indicates revenue center info
requestHeaderField	Element	RequestHeader ††	Req	Indicates Application Name, Interface Version and extensions
transactionField	Element	Transaction ††	Req	Indicates Transaction Header and Transaction Details.
transactionGUIDField	Element	string	Nil	Indicates TransactionGUID
customerField	Element	Customer ††	Nil	Indicates Customer info
transactionRefField	Element	string	Req	Indicates Transaction field
deliveryDateTimeField	Element	DateTime	Nil	Indicates Delivery datetime(UTC) for autofire functionality
deliveryDateTimeFieldSpecified	Element	bool	Nil	Indicates if Delivery datetime(UTC) specified or not for autofire functionality
extensionsField	Element	object	Nil	Indicates Extensions if any.

9.2.1.1 Request Header

Name	Type	Data Type	Use	Comments
applicationNameField	Element	string	Req	Indicates application name
interfaceVersionField	Element	string	Nil	Indicates interface version
extensionsField	Element	object	Nil	Indicates Extensions if any.

9.2.1.2 Transaction

Name	Type	Data Type	Use	Comments
HeaderField	Element	TransactionHeader ††	Req	Indicates Number of guests, order type, Table info, Table Group info, Guest check info.
TransactionField	Element	TransactionDetailLine ††	Req	Indicates list of Items

9.2.1.3 TransactionHeader

Name	Type	Data Type	Use	Comments
numGuestsField	Element	string	Nil	Indicates Guest count
orderTypeIDRefField	Element	string	Req	Indicates order type
tableRefField	Element	string	Req	Indicates table number.
tableGroupNumberField	Element	string	Nil	Indicates Table group number (Future use)
guestCheckRefField	Element	string	Nil	Indicates Guest check ID (Future use)

9.2.1.4 TransactionDetailLine

Name	Type	Data Type	Use	Comments
itemField	Element	object	Req	Indicates list of items: Menu item detail, service charge detail, tender detail

9.2.1.4.1 MenuItemDetail

Name	Type	Data Type	Use	Comments
lineItemField	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields
priceLevelIDRefField	Element	string	Req	Indicates price level id to extract main level and sub level. When specific Menu Level value 1 to 8, it will match Menu Item Price records with Main Level or Sub Level depending on the Menu Item Class option "10 - ON = Use Sub Level Pricing; OFF = Use Main Level Pricing". When posting with menu level combination is 0 main and 0 sub levels, it will use posting LineItemDetail.Total to override

Name	Type	Data Type	Use	Comments
				matching Menu Item Price record configured price.
sKUField	Element	string	Nil	Indicates SKU. (Not used)
modifiersField	Element	MenuItemDetail ††	Nil	Indicates list of modifiers

9.2.1.4.1.1 LineItemDetail

Name	Type	Data Type	Use	Comments
idRefField	Element	string	Req	Indicates ID of item (ObjectNumber-SequenceNumber).
quantityField	Element	string	Req	Indicates quantity of menu item
totalField	Element	decimal	Req	Indicates the amount of menu item
referenceField	Element	string	Nil	Indicates list of reference field
extensionsField	Element	object	Nil	Indicates extensions if any.
lineNumberField	Element	string	Req	Indicates line number of the item
serviceRoundNumberField	Element	string	Nil	Indicates service round number. (Future use)
seatNumberField	Element	string	Nil	Indicates seat number (Future use)
voidField	Element	LineItemDetailVoid ††	Nil	Indicates void field. (Future use, not implemented)

9.2.1.4.2 ServiceChargeDetail

Name	Type	Data Type	Use	Comments
lineItemField	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)

9.2.1.4.3 CreditCardAuth

Name	Type	Data Type	Use	Comments
lineItemField	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)
accountField	Element	string	Req	Indicates credit card account number.

Name	Type	Data Type	Use	Comments
expireDateField	Element	string	Req	Indicates the expiration date of the credit card.
cvvField	Element	string	Req	Indicates the credit card verification value.
avsField	Element	string	Req	Indicates the address verification system information.
authCodeField	Element	string	Req	Indicates the authorization code of the transaction.
cardSwipeTrack1Field	Element	string	Req	Indicates the magnetic strip reading track 1 data.
cardSwipeTrack2Field	Element	string	Req	Indicates the magnetic strip reading track 2 data.

9.2.1.4.4 CreditCardFinal

Name	Type	Data Type	Use	Comments
lineItemField	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)
tipAmountField	Element	string	Req	Indicates tip amount.
accountLast4DigitsField	Element	string	Req	Indicates the last four digits credit card account number.
authDetailLineNumberField	Element	string	Req	Indicates the initial authorization detail line number.

9.2.1.4.5 TenderDetail

Name	Type	Data Type	Use	Comments
lineItemField	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)
tipAmountField	Element	decimal	Req	Indicates tip amount.
tipAmountFieldSpecified	Element	bool	Req	Indicates if tip amount is specified.
ePaymentField	Element	EPaymentDetail ††	Req	Indicated the fields related to Epayment
authCodeField	Element	string	Nil	Indicates auth code

9.2.1.4.5.1 EPayment Detail

Name	Type	Data Type	Use	Comments
PaymentCommandField	Element	EPaymentCommand ††	Req	Indicates the type of command: No_E_Payment or Authorize_and_pay
AccountDataSourceField	Element	EAccountDataSource ††	Req	Indicates account data source (Future use)
AcctNumberField	Element	string	Req	Indicates the account number
ExpirationDateField	Element	string	Req	Indicated the expiration date
AuthorizationCodeField	Element	string	Nil	Indicates auth code
StartDateField	Element	datetime	Req	Indicates start date.
IssueNumberField	Element	string	Nil	Indicates issue number
Track1DataField	Element	string	Nil	Indicated track1 data
Track2DataField	Element	string	Req	Indicates track2 data
Track3DataField	Element	string	Nil	Indicated track3 data (Not used)
BaseAmountField	Element	decimal	Req	Indicates base amount
TipAmountField	Element	decimal	Req	Indicates tip amount
CVVNumberField	Element	string	Nil	Indicates CVV number
AddressVerificationField	Element	string	Nil	Indicates address verification

9.2.1.4.5.2 EPaymentCommand

Name	Type	Data Type	Use	Comments
EPaymentCommand	Element	enum	Req	Indicates the type of command: No_E_Payment or Authorize_and_pay

9.2.1.4.5.3 EAccountDatasource (Future use)

Name	Type	Data Type	Use	Comments
EAccountDataSource	Element	enum	Nil	Indicates the account data source: SOURCE_UNDEFINED, RFID_TRACK_DATA_RULES, RFID_M_CHIP_RULES, MANUALLY_KEYED_TRACK_1_CAPABLE, MANUALLY_KEYED_TRACK_2_CAPABLE, MANUALLY_KEYED_NO_CARD_READER

9.2.1.5 Customer

Name	Type	Data Type	Use	Comments
customerIDField	Element	string	Req	Indicates customer ID.
firstNameField	Element	string- 8 character limit	Req	Indicates customer's First name.
lastNameField	Element	string- 16 character limit	Req	Indicates customer's Last name.
addressField	Element	string	Req	Indicates customers Address lines.
cityField	Element	string	Req	Indicates customers City.
stateField	Element	string	Req	Indicates customers State.
postalCodeField	Element	string	Req	Indicates customers Postal code.
countryField	Element	string	Req	Indicates customers Country.
extensionsField	Element	object	Req	Indicates Extensions if any.

9.2.2 PostNewTransactionResponse

Name	Type	Data Type	Use	Comments
locationRefField	Element	string	Req	Indicates location info
revenueCenterRefField	Element	string	Req	Indicates revenue center info
resultField	Element	ResponseResult ††	Req	Indicates interface version, response result, success filed, response error code, response error message.
extensionsField	Element	object	Req	Indicates Extensions if any.
transactionNumberField	Element	string		Indicates transaction number
transactionGUIDField	Element	string		Indicates transaction GUID
promisedDateTimeField	Element	datetime		Indicates promised datetime time of delivery
promisedDateTimeFieldSpecified	Element	bool		Indicates if promised datetime time of delivery is specified or not
printableDocumentField	Element	string		Indicates list of printable documents (Future use)
totalsField	Element	TransactionTotals ††	Req	Indicates Sub totals, discount total, tax total, Service charge total, Auto Service charge total, other total, payment total, amount due total and transaction Total fields.

9.2.2.1 ResponseResult

Name	Type	Data Type	Use	Comments
interfaceVersionField	Element	string	Req	Indicates interface version
resultField	Element	ResponseResultResult ††	Req	Indicates response result code and message.

9.2.2.2 ResponseResultResult

Name	Type	Data Type	Use	Comments
successField	Element	bool	Req	Indicates response status.
errorField	Element	ResponseResultResultError ††	Req	Indicates response result code and message.

9.2.2.3 ResponseResultResultError

Name	Type	Data Type	Use	Comments
extensionsField	Element	object	Req	Indicates Extensions if any.
codeField	Element	string	Req	Indicates Response result code.
messageField	Element	string	Req	Indicates Response result message.

9.2.2.4 TransactionTotals

Name	Type	Data Type	Use	Comments
subTotalField	Element	decimal	Req	Indicates Subtotal.
discountTotalField	Element	decimal	Req	Indicates Discount total. (Future use)
discountTotalFieldSpecified	Element	bool	Req	Indicates if Discount total specified or not. (Future use)
taxTotalField	Element	decimal	Req	Indicates Tax total.
taxTotalFieldSpecified	Element	bool	Req	Indicates if Tax total specified or not. (Future use)
taxTotalBreakDownsField	Element	TaxTotalBreakDowns ††	Req	Indicates detail Tax Total breaks down by tax itemizers.
serviceChargeTotalField	Element	decimal	Req	Indicates Service Charge total.
serviceChargeTotalFieldSpecified	Element	bool	Req	Indicates if Service charge total specified or not. (Future use)
autoServiceChargeTotalField	Element	decimal	Req	Indicates Auto Service charge total. (Future use)

Name	Type	Data Type	Use	Comments
autoServiceChargeTotalFieldSpecified	Element	bool	Req	Indicates if Auto Service charge total specified or not. (Future use)
otherTotalField	Element	decimal	Req	Indicates Other total.
otherTotalFieldSpecified	Element	bool	Req	Indicates if Other total specified or not. (Future use)
paymentTotalField	Element	decimal	Req	Indicates payment total.
paymentTotalFieldSpecified	Element	bool	Req	Indicates if Payment total specified or not. (Future use)
amountDueTotalField	Element	decimal	Req	Indicates Amount due total.
changeDueTotalField	Element	decimal	Req	Indicates Change due total.
transactionTotalField	Element	decimal	Req	Indicates Transaction total.

9.2.2.5 TaxTotalBreakDowns

Name	Type	Data Type	Use	Comments
TaxTotalBreakDown	Element	TaxTotalBreakDown †† ValueAddedTaxTotalBreakDown ††	Req	Indicates Subtotal.

9.2.2.6 TaxTotalBreakDown

Name	Type	Data Type	Use	Comments
indexField	Element	string	Req	Indicates Tax Rate index defined in EMC Property Tax Table.
totalField	Element	decimal	Req	Indicates categorized Tax Total breaks down by Tax Itemizers or Tax Rates.
nameField	Element	string	Req	Indicates the names of the Tax Itemizers or Tax Rates defined in EMC Property Tax Table.

9.2.2.7 ValueAddedTaxTotalBreakDown

Name	Type	Data Type	Use	Comments
indexField	Element	string	Req	Indicates Tax Rate index defined in EMC Property Tax Table.

Name	Type	Data Type	Use	Comments
totalField	Element	decimal	Req	Indicates categorized Tax Total breaks down by Tax Itemizers or Tax Rates.
grossField	Element	decimal	Req	Indicates categorized Gross Total breaks down by Tax Itemizers or Tax Rates.
netField	Element	decimal	Req	Indicates categorized Net Total breaks down by Tax Itemizers or Tax Rates.
nameField	Element	string	Req	Indicates the names of the Tax Itemizers or Tax Rates defined in EMC Property Tax Table.

9.2.3 PostNewTransaction Sample XMLs

9.2.3.1 Cash Operation

Request XML: This transaction will ring a Hotdog for \$3.00 and makes Cash payment.

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>1</ApplicationName>
          <InterfaceVersion>1.0</InterfaceVersion>
        </RequestHeader>
        <Transaction>
          <Header>
            <NumGuests>1</NumGuests>
            <OrderTypeIDRef>1</OrderTypeIDRef>
            <TableRef>1</TableRef>
            <GuestCheckRef />
          </Header>
          <DetailLines>
            <DetailLine>
              <MenuItem>
                <LineItem>
                  <IDRef>1-1</IDRef>
                  <Quantity>1</Quantity>
                  <Total>3.00</Total>
                  <Extensions>
                    <Percent>0</Percent>
                    <PreviousRound>>false</PreviousRound>
                  </Extensions>
                  <LineNumber>1</LineNumber>
                  <ServiceRoundNumber>0</ServiceRoundNumber>
                </LineItem>
                <PriceLevelIDRef>1-1</PriceLevelIDRef>
              </MenuItem>
            </DetailLine>
            <DetailLine>
              <Tender>
                <LineItem>
                  <IDRef>2</IDRef>
                  <Quantity>1</Quantity>
                  <Total>3.30</Total>
                  <Extensions>
                    <Percent>0</Percent>
```



```

    <PreviousRound>false</PreviousRound>
  </Extensions>
  <LineNumber>2</LineNumber>
  <ServiceRoundNumber>0</ServiceRoundNumber>
</LineItem>
<TipAmount>0</TipAmount>
<EPaymentField>
  <PaymentCommand>AUTHORIZE_AND_PAY</PaymentCommand>
  <AccountDataSource>SOURCE_UNDEFINED</AccountDataSource>
  <AcctNumber />
  <ExpirationDate />
  <AuthorizationCode />
  <StartDate>0001-01-01T00:00:00</StartDate>
  <IssueNumber />
  <Track1Data />
  <Track2Data />
  <Track3Data />
  <BaseAmount>0</BaseAmount>
  <TipAmount>0</TipAmount>
  <CVVNumber />
  <AddressVerification />
</EPaymentField>
</Tender>
</DetailLine>
</DetailLines>
</Transaction>
</Request>
</PostNewTransactionRequest>
</soap:Body>
</soap:Envelope>

```

Response XML

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <TransactionNumber>293</TransactionNumber>
        <TransactionGUID>c0e5486041dd34ff848c55f3d96d965f00000000</TransactionGUID>
      </PostNewTransactionResponse>
    </soap:Body>
  </soap:Envelope>

```

```

<Totals>
  <Subtotal>3.00</Subtotal>
  <TaxTotal>0.30</TaxTotal>
  <TaxTotalBreakDowns>
    <TaxTotalBreakDown>
      <Index>1</Index>
      <Total>0.3</Total>
      <Name>SALES TAX</Name>
    </TaxTotalBreakDown>
  </TaxTotalBreakDowns>
  <AutoServiceChargeTotal>0</AutoServiceChargeTotal>
  <OtherTotal>0</OtherTotal>
  <PaymentTotal>3.30</PaymentTotal>
  <TransactionTotal>3.30</TransactionTotal>
</Totals>
</Response>
</PostNewTransactionResponse>
</soap:Body>
</soap:Envelope>

```

Response XML with Value Added Tax

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <TransactionNumber>293</TransactionNumber>
        <TransactionGUID>c0e5486041dd34ff848c55f3d96d965f00000000</TransactionGUID>
        <Totals>
          <Subtotal>3.00</Subtotal>
          <TaxTotal>0.30</TaxTotal>
          <TaxTotalBreakDowns>
            <ValueAddedTaxTotalBreakDown>
              <Index>2</Index>
              <Total>0.27</Total>
              <Gross>3</Gross>
              <Net>2.73</Net>
              <Name>INCLUSIVE TAX</Name>
            </ValueAddedTaxTotalBreakDown>
          </TaxTotalBreakDowns>
        </Totals>
      </Response>
    </PostNewTransactionResponse>
  </soap:Body>
</soap:Envelope>

```

```

    </TaxTotalBreakDowns>
    <AutoServiceChargeTotal>0</AutoServiceChargeTotal>
    <OtherTotal>0</OtherTotal>
    <PaymentTotal>3.30</PaymentTotal>
    <TransactionTotal>3.30</TransactionTotal>
  </Totals>
</Response>
</PostNewTransactionResponse>
</soap:Body>
</soap:Envelope>

```

9.2.3.2 Credit Card Operation

If the credit card information is manually entered, send the credit card account number and the expiration date.

If the credit card is swiped, send Track2data information.

Request XML with modifiers

MTO Omelet
Spinach
Lettuce

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>1</ApplicationName>
          <InterfaceVersion>1.0</InterfaceVersion>
        </RequestHeader>
        <Transaction>
          <Header>
            <NumGuests>0</NumGuests>
            <OrderTypeIDRef>0</OrderTypeIDRef>
            <TableRef>1</TableRef>
            <GuestCheckRef />
          </Header>
          <DetailLines>
            <DetailLine>
              <MenuItem>
                <LineItem>
                  <IDRef>116015-1</IDRef>
                  <Quantity>1</Quantity>
                  <Total>7.00</Total>
                </LineItem>
              </MenuItem>
            </DetailLine>
          </DetailLines>
        </Transaction>
      </Request>
    </PostNewTransactionRequest>
  </soap:Body>
</soap:Envelope>

```

```

    <Extensions>
      <Percent>0</Percent>
      <PreviousRound>>false</PreviousRound>
    </Extensions>
    <LineNumber>1</LineNumber>
    <ServiceRoundNumber>0</ServiceRoundNumber>
  </LineItem>
  <PriceLevelIDRef>1-1</PriceLevelIDRef>
  <Modifiers>
    <LineItem>
      <IDRef>43737-1</IDRef>
      <Quantity>1</Quantity>
      <Total>0.00</Total>
    <Extensions>
      <Percent>0</Percent>
      <PreviousRound>>false</PreviousRound>
    </Extensions>
    <LineNumber>2</LineNumber>
    <ServiceRoundNumber>0</ServiceRoundNumber>
  </LineItem>
  <PriceLevelIDRef>1-1</PriceLevelIDRef>
</Modifiers>
<Modifiers>
  <LineItem>
    <IDRef>42305-1</IDRef>
    <Quantity>1</Quantity>
    <Total>0.00</Total>
  <Extensions>
    <Percent>0</Percent>
    <PreviousRound>>false</PreviousRound>
  </Extensions>
  <LineNumber>3</LineNumber>
  <ServiceRoundNumber>0</ServiceRoundNumber>
</LineItem>
  <PriceLevelIDRef>1-1</PriceLevelIDRef>
</Modifiers>
</MenuItem>
</DetailLine>
<DetailLine>
  <Tender>
    <LineItem>
      <IDRef>3</IDRef>
      <Quantity>1</Quantity>
      <Total>7.70</Total>
    <Extensions>
      <Percent>0</Percent>
      <PreviousRound>>false</PreviousRound>
    </Extensions>
    <LineNumber>4</LineNumber>
    <ServiceRoundNumber>0</ServiceRoundNumber>
  </LineItem>

```

```

    <TipAmount>0</TipAmount>
    <EPaymentField>
      <PaymentCommand>AUTHORIZE_AND_PAY</PaymentCommand>
      <AccountDataSource>SOURCE_UNDEFINED</AccountDataSource>
      <AcctNumber>4444333322221111</AcctNumber>
      <ExpirationDate>1111</ExpirationDate>
      <AuthorizationCode />
      <StartDate>0001-01-01T00:00:00</StartDate>
      <IssueNumber />
      <Track1Data />
      <Track2Data />
      <Track3Data />
      <BaseAmount>7.70</BaseAmount>
      <TipAmount>0</TipAmount>
      <CVVNumber />
      <AddressVerification />
    </EPaymentField>
  </Tender>
</DetailLine>
</DetailLines>
</Transaction>
</Request>
</PostNewTransactionRequest>
</soap:Body>
</soap:Envelope>

```

Response XML

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <TransactionNumber>893</TransactionNumber>
        <TransactionGUID>5a24e8714933a1d84da2cb979a1f03ef00000000</TransactionGUID>
        <Totals>
          <Subtotal>7.00</Subtotal>
          <TaxTotal>0.7</TaxTotal>
          <TaxTotalBreakDowns>
            <TaxTotalBreakDown>

```

```

    <Index>1</Index>
    <Total>0.7</Total>
    <Name>SALES TAX</Name>
  </TaxTotalBreakDown>
</TaxTotalBreakDowns>
<AutoServiceChargeTotal>0</AutoServiceChargeTotal>
<OtherTotal>0</OtherTotal>
<PaymentTotal>7.70</PaymentTotal>
<AmountDueTotal>0</AmountDueTotal>
<TransactionTotal>7.70</TransactionTotal>
</Totals>
</Response>
</PostNewTransactionResponse>
</soap:Body>
</soap:Envelope>

```

9.2.3.3 Autofire

Request XML: This transaction will ring a Hotdog for \$1.00 and menu item will be on hold until DeliveryDateTime which in UTC timezone.

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>31</ApplicationName>
          <InterfaceVersion>1.0</InterfaceVersion>
        </RequestHeader>
        <Transaction>
          <Header>
            <NumGuests>0</NumGuests>
            <OrderTypeIDRef>0</OrderTypeIDRef>
            <TableRef>1</TableRef>
            <GuestCheckRef />
          </Header>
          <DetailLines>
            <DetailLine>
              <MenuItem>
                <LineItem>
                  <IDRef>1-1</IDRef>
                  <Quantity>1</Quantity>
                  <Total>1.00</Total>
                </LineItem>
                <Extensions>
                  <PreviousRound>>false</PreviousRound>
                </Extensions>
              </MenuItem>
            </DetailLine>
          </DetailLines>
        </Transaction>
      </Request>
    </PostNewTransactionRequest>
  </soap:Body>
</soap:Envelope>

```

```

    </Extensions>
    <LineNumber>1</LineNumber>
    <ServiceRoundNumber>0</ServiceRoundNumber>
  </LineItem>
  <PriceLevelIDRef>0-0</PriceLevelIDRef>
</MenuItem>
</DetailLine>
<DetailLine>
  <Tender>
    <LineItem>
      <IDRef>3</IDRef>
      <Quantity>1</Quantity>
      <Total>1.00</Total>
      <Extensions>
        <TaxExempt>0000000000000000</TaxExempt>
        <PreviousRound>>false</PreviousRound>
      </Extensions>
      <LineNumber>2</LineNumber>
      <ServiceRoundNumber>0</ServiceRoundNumber>
    </LineItem>
    <TipAmount>0</TipAmount>
    <EPaymentField>
      <PaymentCommand>AUTHORIZE_AND_PAY</PaymentCommand>
      <AccountDataSource>MANUALLY_KEYED_NO_CARD_READER</AccountDataSource>
      <AcctNumber>****</AcctNumber>
      <ExpirationDate>****</ExpirationDate>
      <AuthorizationCode />
      <StartDate>0001-01-01T00:00:00</StartDate>
      <IssueNumber />
      <Track1Data />
      <Track2Data />
      <Track3Data />
      <BaseAmount>1.00</BaseAmount>
      <TipAmount>0</TipAmount>
      <CVVNumber />
      <AddressVerification />
    </EPaymentField>
  </Tender>
</DetailLine>
</DetailLines>
</Transaction>
<DeliveryDateTime>2012-05-17T18:15:00-04:00</DeliveryDateTime>
</Request>
</PostNewTransactionRequest>
</soap:Body>
</soap:Envelope>

```

Response XML

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>false</Success>
            <Error code="InvalidDeliveryTime" message="Transaction Services experienced an error and
cannot continue to process this request.&#xD;&#xA;Reason: Invalid delivery time 5/17/2012 6:15:00 PM
provided. The delivery time must be in the future.&#xD;&#xA;Error Code:
InvalidDeliveryTime&#xD;&#xA;" />
          </Result>
        </Result>
      </Response>
    </PostNewTransactionResponse>
  </soap:Body>
</soap:Envelope>
```

9.3 PostToTransaction

Allow multiple service rounds for adding menu items and check detail items to existing open checks.

Autofire feature is supported through the DeliveryDateTime (UTC) element tag. All menu items on an autofire checks will be in a HOLD state, which will postpone the menu items to reach to KDS displays and kitchen printers until the specific time is defined.

If the DeliveryDateTime changed in PostToTransaction request, the time defined prior to this request will be overridden with the new time defined in this request.

9.3.1 PostToTransactionRequest

Name	Type	Data Type	Use	Comments
LocationRef	Element	string	Req	Indicates location info
RevenueCenterRef	Element	string	Req	Indicates revenue center info
RequestHeader	Element	RequestHeader ††	Req	Indicates Application Name, Interface Version and extensions
Transaction	Element	Transaction ††	Req	Indicates Transaction Header and Transaction Details.
TransactionGUID	Element	string	Nil	Indicates TransactionGUID (Future use)

Name	Type	Data Type	Use	Comments
Customer	Element	Customer ††	Nil	Indicates Customer info
TransactionRef	Element	string	Req	Indicates Transaction field
DeliveryDateTime	Element	DateTime	Nil	Indicates Delivery datetime(UTC) for autofire functionality
DeliveryDateTimeFieldSpecified	Element	bool	Nil	Indicates if Delivery datetime(UTC) specified or not for autofire functionality
Extensions	Element	object	Nil	Indicates Extensions if any.

9.3.1.1 Request Header

Name	Type	Data Type	Use	Comments
ApplicationName	Element	string	Req	Indicates application name
InterfaceVersion	Element	string	Nil	Indicates interface version
Extensions	Element	object	Nil	Indicates Extensions if any.

9.3.1.2 Transaction

Name	Type	Data Type	Use	Comments
Header	Element	TransactionHeader ††	Req	Indicates Number of guests, order type, Table info, Table Group info, Guest check info.
Transaction	Element	Transaction DetailLine††	Req	Indicates list of Items

9.3.1.3 TransactionHeader

Name	Type	Data Type	Use	Comments
NumGuests	Element	string	Nil	Indicates Guest count
OrderTypeIDRef	Element	string	Req	Indicates order type
TableRef	Element	string	Req	Indicates table number.
TableGroupNumber	Element	string	Nil	Indicates Table group number (Future use)
GuestCheckRef	Element	string	Nil	Indicates Guest check ID (Future use)

9.3.1.4 TransactionDetailLine

Name	Type	Data Type	Use	Comments
Item	Element	object	Req	Indicates list of items: Menu item detail, service charge detail, tender detail

9.3.1.4.1 MenuItemDetail

Name	Type	Data Type	Use	Comments
LineItem	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields
PriceLevelIDRef	Element	string	Req	Indicates price level id to extract main level and sub level. When specific Menu Level value 1 to 8, it will match Menu Item Price records with Main Level or Sub Level depending on the Menu Item Class option “10 - ON = Use Sub Level Pricing; OFF = Use Main Level Pricing”. When posting with menu level combination is 0 main and 0 sub levels, it will use posting LineItemDetail.Total to override matching Menu Item Price record configured price.
SKU	Element	string	Nil	Indicates SKU. (Not used)
Modifiers	Element	MenuItemDetail ††	Nil	Indicates list of modifiers

9.3.1.4.1.1 LineItemDetail

Name	Type	Data Type	Use	Comments
IdRef	Element	string	Req	Indicates ID of item (ObjectNumber-SequenceNumber).
Quantity	Element	string	Req	Indicates quantity of menu item
Total	Element	decimal	Req	Indicates the amount of menu item
Reference	Element	string	Nil	Indicates list of reference field
Extensions	Element	object	Nil	Indicates extensions if any.
LineNumber	Element	string	Req	Indicates line number of the item
ServiceRoundNumber	Element	string	Nil	Indicates service round number. (Future use)

Name	Type	Data Type	Use	Comments
SeatNumber	Element	string	Nil	Indicates seat number (Future use)
Void	Element	LineItemDetailVoid ††	Nil	Indicates void field. (Future use, not implemented)

9.3.1.4.2 ServiceChargeDetail

Name	Type	Data Type	Use	Comments
LineItem	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)

9.3.1.4.3 CreditCardAuth

Name	Type	Data Type	Use	Comments
lineItemField	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)
accountField	Element	string	Req	Indicates credit card account number.
expireDateField	Element	string	Req	Indicates the expiration date of the credit card.
cvvField	Element	string	Req	Indicates the credit card verification value.
avsField	Element	string	Req	Indicates the address verification system information.
authCodeField	Element	string	Req	Indicates the authorization code of the transaction.
cardSwipeTrack1Field	Element	string	Req	Indicates the magnetic strip reading track 1 data.
cardSwipeTrack1Field	Element	string	Req	Indicates the magnetic strip reading track 2 data.

9.3.1.4.4 CreditCardFinal

Name	Type	Data Type	Use	Comments
lineItemField	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)
tipAmountField	Element	string	Req	Indicates tip amount.
accountLast4DigitsField	Element	string	Req	Indicates the last four digits credit card account number.
authDetailLineNumberField	Element	string	Req	Indicates the initial authorization detail line number.

9.3.1.4.5 TenderDetail

Name	Type	Data Type	Use	Comments
LineItem	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)
TipAmount	Element	decimal	Req	Indicates tip amount.
TipAmountFieldSpecified	Element	bool	Req	Indicates if tip amount is specified.
EPayment	Element	EPaymentDetail ††	Req	Indicated the fields related to Epayment
AuthCode	Element	string	Nil	Indicates auth code

9.3.1.4.5.1 EPayment Detail

Name	Type	Data Type	Use	Comments
PaymentCommand	Element	EPaymentCommand ††	Req	Indicates the type of command: No_E_Payment or Authorize_and_pay
AccountDataSource	Element	EAccountDataSource ††	Req	Indicates account data source (Future use)
AcctNumber	Element	string	Req	Indicates the account number
ExpirationDate	Element	string	Req	Indicated the expiration date
AuthorizationCode	Element	string	Nil	Indicates auth code
StartDate	Element	datetime	Req	Indicates start date.
IssueNumber	Element	string	Nil	Indicates issue number
Track1Data	Element	string	Nil	Indicated track1 data
Track2Data	Element	string	Req	Indicates track2 data
Track3Data	Element	string	Nil	Indicated track3 data (Not used)
BaseAmount	Element	decimal	Req	Indicates base amount

Name	Type	Data Type	Use	Comments
TipAmount	Element	decimal	Req	Indicates tip amount
CVVNumber	Element	string	Nil	Indicates CVV number
AddressVerification	Element	string	Nil	Indicates address verification

9.3.1.4.5.2 EPaymentCommand

Name	Type	Data Type	Use	Comments
EPaymentCommand	Element	enum	Req	Indicates the type of command: No_E_Payment or Authorize_and_pay

9.3.1.4.5.3 EAccountDatasource (Future use)

Name	Type	Data Type	Use	Comments
EAccountDataSource	Element	enum	Nil	Indicates the account data source: SOURCE_UNDEFINED, RFID_TRACK_DATA_RULES, RFID_M_CHIP_RULES, MANUALLY_KEYED_TRACK_1_CAPABLE, MANUALLY_KEYED_TRACK_2_CAPABLE, MANUALLY_KEYED_NO_CARD_READER

9.3.1.5 Customer

Name	Type	Data Type	Use	Comments
CustomerID	Element	string	Req	Indicates customer ID.
FirstName	Element	string	Req	Indicates customer's First name.
LastName	Element	string	Req	Indicates customer's Last name.
Address	Element	string	Req	Indicates customers Address lines.
City	Element	string	Req	Indicates customers City.
State	Element	string	Req	Indicates customers State.
PostalCode	Element	string	Req	Indicates customers Postal code.
Country	Element	string	Req	Indicates customers Country.
Extensions	Element	object	Req	Indicates Extensions if any.

9.3.2 PostToTransactionResponse

Name	Type	Data Type	Use	Comments
LocationRef	Element	string	Req	Indicates location info
RevenueCenterRef	Element	string	Req	Indicates revenue center info
Result	Element	ResponseResult ††	Req	Indicates interface version, response result, success filed, response

Name	Type	Data Type	Use	Comments
				error code, response error message.
Extensions	Element	object	Req	Indicates Extensions if any.
TransactionNumber	Element	string		Indicates transaction number
TransactionGUID	Element	string		Indicates transaction GUID
PromisedDateTime	Element	datetime		Indicates promised datetime time of delivery
PromisedDateTimeFieldSpecified	Element	bool		Indicates if promised datetime time of delivery is specified or not (Future use)
PrintableDocument	Element	string		Indicates list of printable documents (Future use)
Totals	Element	TransactionTotals ††	Req	Indicates Sub totals, discount total, tax total, Service charge total, Auto Service charge total, other total, payment total, amount due total and transaction Total fields.

9.3.2.1 responseResult

Name	Type	Data Type	Use	Comments
InterfaceVersion	Element	string	Req	Indicates interface version
Result	Element	ResponseResultResult ††	Req	Indicates response result code and message.

9.3.2.2 ResponseResultResult

Name	Type	Data Type	Use	Comments
Success	Element	bool	Req	Indicates response status.
Error	Element	ResponseResultResultError ††	Req	Indicates response result code and message.

9.3.2.3 ResponseResultResultError

Name	Type	Data Type	Use	Comments
Extensions	Element	object	Req	Indicates Extensions if any.
Code	Element	string	Req	Indicates Response result code.
Message	Element	string	Req	Indicates Response result message.

9.3.2.4 TransactionTotals

Name	Type	Data Type	Use	Comments
SubTotal	Element	decimal	Req	Indicates Subtotal.
DiscountTotal	Element	decimal	Req	Indicates Discount total. (Future use)
DiscountTotalFieldSpecified	Element	bool	Req	Indicates if Discount total specified or not. (Future use)
TaxTotal	Element	decimal	Req	Indicates Tax total.
TaxTotalFieldSpecified	Element	bool	Req	Indicates if Tax total specified or not. (Future use)
taxTotalBreakDownsField	Element	TaxTotalBreakDowns ††	Req	Indicates detail Tax Total breaks down by tax itemizers.
ServiceChargeTotal	Element	decimal	Req	Indicates Service Charge total.
ServiceChargeTotalFieldSpecified	Element	bool	Req	Indicates if Service charge total specified or not. (Future use)
AutoServiceChargeTotal	Element	decimal	Req	Indicates Auto Service charge total. (Future use)
AutoServiceChargeTotalFieldSpecified	Element	bool	Req	Indicates if Auto Service charge total specified or not. (Future use)
OtherTotal	Element	decimal	Req	Indicates Other total.
OtherTotalFieldSpecified	Element	bool	Req	Indicates if Other total specified or not. (Future use)
PaymentTotal	Element	decimal	Req	Indicates payment total.
PaymentTotalFieldSpecified	Element	bool	Req	Indicates if Payment total specified or not. (Future use)
AmountDueTotal	Element	decimal	Req	Indicates Amount due total.
TransactionTotal	Element	decimal	Req	Indicates Transaction total.

9.3.2.5 TaxTotalBreakDowns

Name	Type	Data Type	Use	Comments
TaxTotalBreakDown	Element	TaxTotalBreakDown†† ValueAddedTaxTotalBreakDown††	Req	Indicates Subtotal.

9.3.2.6 TaxTotalBreakDown

Name	Type	Data Type	Use	Comments
indexField	Element	string	Req	Indicates Tax Rate index defined in EMC Property Tax Table.
totalField	Element	decimal	Req	Indicates categorized Tax Total breaks down by Tax Itemizers or Tax Rates.
nameField	Element	string	Req	Indicates the names of the Tax Itemizers or Tax Rates defined in EMC Property Tax Table.

9.3.2.7 ValueAddedTaxTotalBreakDown

Name	Type	Data Type	Use	Comments
indexField	Element	string	Req	Indicates Tax Rate index defined in EMC Property Tax Table.
totalField	Element	decimal	Req	Indicates categorized Tax Total breaks down by Tax Itemizers or Tax Rates.
grossField	Element	decimal	Req	Indicates categorized Gross Total breaks down by Tax Itemizers or Tax Rates.
netField	Element	decimal	Req	Indicates categorized Net Total breaks down by Tax Itemizers or Tax Rates.
nameField	Element	string	Req	Indicates the names of the Tax Itemizers or Tax Rates defined in EMC Property Tax Table.

9.3.3 PostToTransaction Sample XMLs

Request XML

The Request of Original Check Posting:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>45</ApplicationName>
          <InterfaceVersion>1.0</InterfaceVersion>
        </RequestHeader>
        <Transaction>
          <Header>
            <NumGuests>0</NumGuests>
            <OrderTypeIDRef>0</OrderTypeIDRef>
            <TableRef>1</TableRef>
            <GuestCheckRef />
          </Header>
          <DetailLines>
            <DetailLine>
              <MenuItem>
                <LineItem>
                  <IDRef>1-2</IDRef>
                  <Quantity>1</Quantity>
                  <Total>1.23</Total>
                  <Extensions>
                    <Percent>0</Percent>
                    <PreviousRound>>false</PreviousRound>
                  </Extensions>
                  <LineNumber>1</LineNumber>
                  <ServiceRoundNumber>0</ServiceRoundNumber>
                </LineItem>
                <PriceLevelIDRef>0-0</PriceLevelIDRef>
              </MenuItem>
            </DetailLine>
          </DetailLines>
        </Transaction>
      </Request>
    </PostNewTransactionRequest>
  </soap:Body>
</soap:Envelope>
```

The Response of Original Check Posting:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <TransactionNumber>535</TransactionNumber>
        <TransactionGUID>9827c04d496f28102e856f7c662a852800000000</TransactionGUID>
        <Totals>
          <Subtotal>1.23</Subtotal>
          <TaxTotal>0.12</TaxTotal>
          <TaxTotalBreakDowns>
            <TaxTotalBreakDown>
              <Index>1</Index>
              <Total>0.12</Total>
              <Name>SALES TAX</Name>
            </TaxTotalBreakDown>
          </TaxTotalBreakDowns>
          <AutoServiceChargeTotal>0</AutoServiceChargeTotal>
          <OtherTotal>0</OtherTotal>
          <PaymentTotal>0</PaymentTotal>
          <AmountDueTotal>1.35</AmountDueTotal>
          <TransactionTotal>1.35</TransactionTotal>
        </Totals>
      </Response>
    </PostNewTransactionResponse>
  </soap:Body>
</soap:Envelope>
```

The Post Request with Newly Added Menu Items:

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostToTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
```

```

<ApplicationName>45</ApplicationName>
<InterfaceVersion>1.0</InterfaceVersion>
</RequestHeader>
<Transaction>
  <Header>
    <NumGuests>0</NumGuests>
    <OrderTypeIDRef>0</OrderTypeIDRef>
    <TableRef>1</TableRef>
    <GuestCheckRef />
  </Header>
  <DetailLines>
    <DetailLine>
      <MenuItem>
        <LineItem>
          <IDRef>1-2</IDRef>
          <Quantity>1</Quantity>
          <Total>1.23</Total>
          <Extensions>
            <Percent>0</Percent>
            <PreviousRound>>false</PreviousRound>
          </Extensions>
          <LineNumber>1</LineNumber>
          <ServiceRoundNumber>0</ServiceRoundNumber>
        </LineItem>
        <PriceLevelIDRef>0-0</PriceLevelIDRef>
      </MenuItem>
    </DetailLine>
    <DetailLine>
      <MenuItem>
        <LineItem>
          <IDRef>1-2</IDRef>
          <Quantity>1</Quantity>
          <Total>2.34</Total>
          <Extensions>
            <Percent>0</Percent>
            <PreviousRound>>true</PreviousRound>
          </Extensions>
          <LineNumber>2</LineNumber>
          <ServiceRoundNumber>1</ServiceRoundNumber>
        </LineItem>
        <PriceLevelIDRef>0-0</PriceLevelIDRef>
      </MenuItem>
    </DetailLine>
    <DetailLine>
      <MenuItem>
        <LineItem>
          <IDRef>1-2</IDRef>
          <Quantity>1</Quantity>
          <Total>3.45</Total>
          <Extensions>
            <Percent>0</Percent>

```

```

        <PreviousRound>>false</PreviousRound>
    </Extensions>
    <LineNumber>3</LineNumber>
    <ServiceRoundNumber>1</ServiceRoundNumber>
</LineItem>
    <PriceLevelIDRef>0-0</PriceLevelIDRef>
</MenuItem>
</DetailLine>
<DetailLine>
    <MenuItem>
        <LineItem>
            <IDRef>1-2</IDRef>
            <Quantity>1</Quantity>
            <Total>4.56</Total>
            <Extensions>
                <Percent>0</Percent>
                <PreviousRound>>false</PreviousRound>
            </Extensions>
            <LineNumber>4</LineNumber>
            <ServiceRoundNumber>1</ServiceRoundNumber>
        </LineItem>
        <PriceLevelIDRef>0-0</PriceLevelIDRef>
    </MenuItem>
</DetailLine>
</DetailLines>
</Transaction>
<TransactionGUID>9827c04d496f28102e856f7c662a852800000000</TransactionGUID>
</Request>
</PostToTransactionRequest>
</soap:Body>
</soap:Envelope>

```

Response XML

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Body>
        <PostToTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
            <Response>
                <LocationRef>1</LocationRef>
                <RevenueCenterRef>1</RevenueCenterRef>
            </Result>
            <InterfaceVersion>1.0</InterfaceVersion>
            <Result>
                <Success>>true</Success>
                <Error code="Success" message="SUCCESS" />
            </Result>
        </Result>
        <TransactionNumber>535</TransactionNumber>
    </PostToTransactionResponse>
</soap:Body>
</soap:Envelope>

```

```

<TransactionGUID>9827c04d496f28102e856f7c662a852800000000</TransactionGUID>
<Totals>
  <Subtotal>11.58</Subtotal>
  <TaxTotal>1.16</TaxTotal>
  <TaxTotalBreakDowns>
    <TaxTotalBreakDown>
      <Index>1</Index>
      <Total>1.16</Total>
      <Name>SALES TAX</Name>
    </TaxTotalBreakDown>
  </TaxTotalBreakDowns>
  <AutoServiceChargeTotal>0</AutoServiceChargeTotal>
  <OtherTotal>0</OtherTotal>
  <PaymentTotal>0</PaymentTotal>
  <AmountDueTotal>12.74</AmountDueTotal>
  <TransactionTotal>12.74</TransactionTotal>
</Totals>
</Response>
</PostToTransactionResponse>
</soap:Body>
</soap:Envelope>

```

Response XML with Value Added Tax

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PostNewTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <TransactionNumber>293</TransactionNumber>
        <TransactionGUID>c0e5486041dd34ff848c55f3d96d965f00000000</TransactionGUID>
        <Totals>
          <Subtotal>3.00</Subtotal>
          <TaxTotal>0.30</TaxTotal>
          <TaxTotalBreakDowns>
            <ValueAddedTaxTotalBreakDown>
              <Index>2</Index>
              <Total>0.27</Total>
              <Gross>3</Gross>
              <Net>2.73</Net>
            </ValueAddedTaxTotalBreakDown>
          </TaxTotalBreakDowns>
        </Totals>
      </PostNewTransactionResponse>
    </soap:Body>
  </soap:Envelope>

```

```
<Name>INCLUSIVE TAX</Name>
</ValueAddedTaxTotalBreakDown>
</TaxTotalBreakDowns>
<AutoServiceChargeTotal>0</AutoServiceChargeTotal>
<OtherTotal>0</OtherTotal>
<PaymentTotal>3.30</PaymentTotal>
<TransactionTotal>3.30</TransactionTotal>
</Totals>
</Response>
</PostNewTransactionResponse>
</soap:Body>
</soap:Envelope>
```

9.4 GetTransaction

This message retrieves a list of open or closed checks for a given set of parameters.

If optional parameter check GUID is specific, this message will retrieve the specific check with the given check GUID.

If check GUID is provided with other search criteria such as table number or employee number, but the matching check does not have the same information as the search criteria, data mismatch errors will be returned in the response message.

9.4.1 GetTransactionRequest

Name	Type	Data Type	Use	Comments
LocationRef	Element	string	Req	Indicates location info
RevenueCenterRef	Element	string	Req	Indicates revenue center info
RequestHeader	Element	RequestHeader ††	Req	Indicates Application Name, Interface Version and extensions
TransactionGUID	Element	String	Nil	Indicates TransactionGUID (Future use)
Extensions	Element	Extensions ††	Nil	Indicates Extensions if any.

9.4.1.1 Request Header

Name	Type	Data Type	Use	Comments
ApplicationName	Element	string	Req	Indicates application name
InterfaceVersion	Element	string	Nil	Indicates interface version
Extensions	Element	object	Nil	Indicates Extensions if any.

9.4.1.2 Extensions

Name	Type	Data Type	Use	Comments
TransactionType	Element	string	Req	Indicates Check state OPEN or CLOSED.
ClosedDays	Element	integer	Req	Indicates the number of closed days for query only closed checks.
TableRef	Element	integer	Req	Indicates the table number as search criteria. 0 value means search regardless of the table number on the checks.
EmployeeNumber	Element	integer	Req	Indicates the employee number as search criteria. 0 value means search regardless of the employee number on the checks.

9.4.2 GetTransactionResponse

Name	Type	Data Type	Use	Comments
LocationRef	Element	string	Req	Indicates location info
RevenueCenterRef	Element	string	Req	Indicates revenue center info
Result	Element	ResponseResult ††	Req	Indicates interface version, response result, success filed, response error code, response error message.
Extensions	Element	Extensions††	Req	Indicates Extensions if any.
TransactionNumber	Element	string		Indicates transaction number.
TransactionGUID	Element	string		Indicates transaction GUID. If GUID is provided, and a check is returned, but does not match the other search criteria. Errors will be returned in the GetTransaction response message.
Transaction	Element	Transaction ††	Req	Indicates Transaction Header and Transaction Details.
Totals	Element	TransactionTotals ††	Req	Indicates Sub totals, discount total, tax total, Service charge total, Auto Service charge total, other total, and payment total, amount due total and transaction Total fields.
NextLineNumber	Element	string		Indicates next detail line for valid menu item LineNumber for PostToTransactionRequest.
OpenDateTime	Element	datetime		Indicates returned check open date time.
CloseDateTime	Element	datetime		Indicates returned check closed date time.
EmployeeNumber	Element	string		Indicates employee number of the returned check owner.
CashierNumber	Element	string		Indicates cashier number of the returned check.
GroupNumber	Element	string		Indicates group number of the returned check.
XferToRvc	Element	string		Indicates the revenue center number the returned check transferred to.
XferFromRvc	Element	string		Indicates the revenue center number the returned check transferred from.

Name	Type	Data Type	Use	Comments
SplitFromCheckNumber	Element	string		Indicates the check number the returned check split from.
ReopenedFromCheckNumber	Element	string		Indicates the check number the returned check reopened from.
ReopenedToCheckNumber	Element	string		Indicates the check number the returned check reopened to.
CheckStatus	Element	string		Indicates check status database column.
CheckStatus2	Element	string		Indicates check status 2 database column.
CheckPrintCount	Element	string		Indicates the number of time the returned check printed on check printers.
CheckId	Element	string		Indicates customize string Check ID.
Facsimile	Element	string		Indicates facsimile flag.

9.4.2.1 ResponseResult

Name	Type	Data Type	Use	Comments
InterfaceVersion	Element	string	Req	Indicates interface version
Result	Element	ResponseResultResult ††	Req	Indicates response result code and message.

9.4.2.2 ResponseResultResult

Name	Type	Data Type	Use	Comments
Success	Element	bool	Req	Indicates response status.
Error	Element	ResponseResultResultError ††	Req	Indicates response result code and message.

9.4.2.3 ResponseResultResultError

Name	Type	Data Type	Use	Comments
Extensions	Element	object	Req	Indicates Extensions if any.
Code	Element	string	Req	Indicates Response result code.
Message	Element	string	Req	Indicates Response result message.

9.4.2.4 Transaction

Name	Type	Data Type	Use	Comments
Header	Element	TransactionHeader ††	Req	Indicates Number of guests, order type, Table info, Table Group info, Guest check info.
Transaction	Element	TransactionDetailLine ††	Req	Indicates list of Items

9.4.2.5 TransactionHeader

Name	Type	Data Type	Use	Comments
NumGuests	Element	string	Nil	Indicates Guest count
OrderTypeIDRef	Element	string	Req	Indicates order type
TableRef	Element	string	Req	Indicates table number.
TableGroupNumber	Element	string	Nil	Indicates Table group number (Future use)
GuestCheckRef	Element	string	Nil	Indicates Guest check ID (Future use)

9.4.2.6 TransactionDetailLine

Name	Type	Data Type	Use	Comments
Item	Element	object	Req	Indicates list of items: Menu item detail, service charge detail, tender detail

9.4.2.6.1 MenuItemDetail

Name	Type	Data Type	Use	Comments
LineItem	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields
PriceLevelIDRef	Element	string	Req	Indicates price level id to extract mail level and sub level.
SKU	Element	string	Nil	Indicates SKU. (Not used)
Modifiers	Element	MenuItemDetail ††	Nil	Indicates list of modifiers

9.4.2.6.1.1 LineItemDetail

Name	Type	Data Type	Use	Comments
IdRef	Element	string	Req	Indicates ID of item (ObjectNumber-SequenceNumber).

Name	Type	Data Type	Use	Comments
Quantity	Element	string	Req	Indicates quantity of menu item
Total	Element	decimal	Req	Indicates the amount of menu item
Reference	Element	string	Nil	Indicates list of reference field
Extensions	Element	Extensions ††	Nil	Indicates extensions if any.
LineNumber	Element	string	Req	Indicates line number of the item
ServiceRoundNumber	Element	string	Nil	Indicates service round number. (Future use)
SeatNumber	Element	string	Nil	Indicates seat number (Future use)
Void	Element	LineItemDetailVoid ††	Nil	Indicates void field. (Future use, not implemented)

9.4.2.6.1.2 Extensions

Name	Type	Data Type	Use	Comments
AuthEmployee	Element	string	Nil	Indicates authorize employee for this item if it require high prilvilage role
DetailStatus	Element	string	Nil	Indicates detail status bits array
TaxMask	Element	string	Nil	Indicates tax define mask bits array
TaxType	Element	string	Nil	Indicates tax type values
TaxExempt	Element	string	Nil	Indicates tax exempt values
ParentItem	Element	string	Nil	Indicates parent detail item
Name	Element	string	Nil	Indicates name of the detail item
DiscountItemizer	Element	string	Nil	Indicates discount itemizer bits array
ServiceChargeItemizer	Element	string	Nil	Indicates service charge itemizer bit array
Percent	Element	decimal	Nil	Indicate percent for discount or service charge detail item support
PreviousRound	Element	bool	Req	Indicate if detail item is a previous round detail item

9.4.2.6.2 ServiceChargeDetail

Name	Type	Data Type	Use	Comments
LineItem	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)

9.4.2.6.3 CreditCardAuth

Name	Type	Data Type	Use	Comments
lineItemField	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)
accountField	Element	string	Req	Indicates credit card account number.
expireDateField	Element	string	Req	Indicates the expiration date of the credit card.
cvvField	Element	string	Req	Indicates the credit card verification value.
avsField	Element	string	Req	Indicates the address verification system information.
authCodeField	Element	string	Req	Indicates the authorization code of the transaction.
cardSwipeTrack1Field	Element	string	Req	Indicates the magnetic strip reading track 1 data.
cardSwipeTrack2Field	Element	string	Req	Indicates the magnetic strip reading track 2 data.

9.4.2.6.4 CreditCardFinal

Name	Type	Data Type	Use	Comments
lineItemField	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)
tipAmountField	Element	string	Req	Indicates tip amount.
accountLast4DigitsField	Element	string	Req	Indicates the last four digits credit card account number.
authDetailLineNumberField	Element	string	Req	Indicates the initial authorization detail line number.

9.4.2.6.5 TenderDetail

Name	Type	Data Type	Use	Comments
LineItem	Element	LineItemDetail ††	Req	Indicates idRef, quantity, total, price, reference, extensions, line number, service round number, seat and void fields (See section 8.3.1.4.1.1)
TipAmount	Element	decimal	Req	Indicates tip amount.

Name	Type	Data Type	Use	Comments
TipAmountFieldSpecified	Element	bool	Req	Indicates if tip amount is specified.
EPayment	Element	EPaymentDetail ††	Req	Indicated the fields related to Epayment
AuthCode	Element	string	Nil	Indicates auth code

9.4.2.6.5.1 EPayment Detail

Name	Type	Data Type	Use	Comments
PaymentCommand	Element	EPaymentCommand ††	Req	Indicates the type of command: No_E_Payment or Authorize_and_pay
AccountDataSource	Element	EAccountDataSource ††	Req	Indicates account data source (Future use)
AcctNumber	Element	string	Req	Indicates the account number
ExpirationDate	Element	string	Req	Indicated the expiration date
AuthorizationCode	Element	string	Nil	Indicates auth code
StartDate	Element	datetime	Req	Indicates start date.
IssueNumber	Element	string	Nil	Indicates issue number
Track1Data	Element	string	Nil	Indicated track1 data
Track2Data	Element	string	Req	Indicates track2 data
Track3Data	Element	string	Nil	Indicated track3 data (Not used)
BaseAmount	Element	decimal	Req	Indicates base amount
TipAmount	Element	decimal	Req	Indicates tip amount
CVVNumber	Element	string	Nil	Indicates CVV number
AddressVerification	Element	string	Nil	Indicates address verification

9.4.2.6.5.2 EPaymentCommand

Name	Type	Data Type	Use	Comments
EPaymentCommand	Element	enum	Req	Indicates the type of command: No_E_Payment or Authorize_and_pay

9.4.2.6.5.3 EAccountDatasource (Future use)

Name	Type	Data Type	Use	Comments
EAccountDataSource	Element	enum	Nil	Indicates the account data source: SOURCE_UNDEFINED, RFID_TRACK_DATA_RULES, RFID_M_CHIP_RULES, MANUALLY_KEYED_TRACK_1_CAPABLE, MANUALLY_KEYED_TRACK_2_CAPABLE, MANUALLY_KEYED_NO_CARD_READER

9.4.2.7 Customer

Name	Type	Data Type	Use	Comments
CustomerID	Element	string	Req	Indicates customer ID.
FirstName	Element	string	Req	Indicates customer's First name.
LastName	Element	string	Req	Indicates customer's Last name.
Address	Element	string	Req	Indicates customers Address lines.
City	Element	string	Req	Indicates customers City.
State	Element	string	Req	Indicates customers State.
PostalCode	Element	string	Req	Indicates customers Postal code.
Country	Element	string	Req	Indicates customers Country.
Extensions	Element	object	Req	Indicates Extensions if any.

9.4.3 GetTransaction Sample XMLs

9.4.3.1 Get Open Check Operation

Request XML

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request ReturnFacsimile="true">
        <LocationRef>45</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>1</ApplicationName>
          <InterfaceVersion>1</InterfaceVersion>
        </RequestHeader>
        <TransactionGUID />
        <Extensions>
          <TransactionType>OPEN</TransactionType>
          <ClosedDays>0</ClosedDays>
          <TableRef>0</TableRef>
          <EmployeeNumber>0</EmployeeNumber>
        </Extensions>
      </Request>
    </GetTransactionRequest>
  </soap:Body>
</soap:Envelope>
```

Response XML

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <LocationRef>45</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <Extensions>
```

```

<Transactions>
  <TransactionInfo>
    <TransactionNumber>534</TransactionNumber>
    <Transaction>
      <Header>
        <OrderTypeIDRef>1</OrderTypeIDRef>
        <TableRef>1</TableRef>
      </Header>
      <DetailLines>
        <DetailLine>
          <CheckInfo>
            <Data />
            <Languages idRef="1" />
          </CheckInfo>
        </DetailLine>
        <DetailLine>
          <CheckInfo>
            <Data />
            <Languages idRef="1" />
          </CheckInfo>
        </DetailLine>
        <DetailLine>
          <CheckInfo>
            <Data />
            <Languages idRef="1" />
          </CheckInfo>
        </DetailLine>
        <DetailLine>
          <CheckInfo>
            <Data />
            <Languages idRef="1" />
          </CheckInfo>
        </DetailLine>
        <DetailLine>
          <CheckInfo>
            <Data />
            <Languages idRef="1" />
          </CheckInfo>
        </DetailLine>
        <DetailLine>
          <CheckInfo>
            <Data />
            <Languages idRef="1" />
          </CheckInfo>
        </DetailLine>
      </DetailLines>
    </Transaction>
    <TransactionGUID>e542cca301e0fa874824ac1701f62fe100290158</TransactionGUID>
    <Totals>
      <Subtotal>0</Subtotal>
      <TaxTotal>0</TaxTotal>
      <TaxTotalBreakDowns />
      <AutoServiceChargeTotal>0</AutoServiceChargeTotal>
      <OtherTotal>0</OtherTotal>
      <PaymentTotal>0</PaymentTotal>
      <AmountDueTotal>0</AmountDueTotal>
      <TransactionTotal>0</TransactionTotal>

```



```

</Totals>
<NextLineNumber>7</NextLineNumber>
<OpenDateTime>2011-10-19T19:23:59Z</OpenDateTime>
<CloseDateTime>1970-01-01T00:00:00Z</CloseDateTime>
<EmployeeNumber>90002</EmployeeNumber>
<CashierNumber>90006</CashierNumber>
<GroupNumber>1</GroupNumber>
<XferToRvc>0</XferToRvc>
<XferFromRvc>0</XferFromRvc>
<SplitFromCheckNumber>0</SplitFromCheckNumber>
<ReopenedFromCheckNumber>0</ReopenedFromCheckNumber>
<ReopenedToCheckNumber>0</ReopenedToCheckNumber>
<CheckStatus>04</CheckStatus>
<CheckStatus2>00</CheckStatus2>
<CheckPrintCount>0</CheckPrintCount>
<CheckId />
<Facsimile />
</TransactionInfo>
<TransactionInfo>
<TransactionNumber>535</TransactionNumber>
<Transaction>
<Header>
<OrderTypeIDRef>1</OrderTypeIDRef>
<TableRef>1</TableRef>
</Header>
<DetailLines>
<DetailLine>
<MenuItem>
<LineItem>
<IDRef>1-2</IDRef>
<Quantity>1</Quantity>
<Total>1.2300</Total>
<Extensions>
<AuthEmployee>0</AuthEmployee>
<DetailStatus>000000</DetailStatus>
<TaxMask>800000000</TaxMask>
<ParentItem>0</ParentItem>
<Name>Hot Dog TSfn</Name>
<Percent>0</Percent>
<PreviousRound>>false</PreviousRound>
</Extensions>
<LineNumber>1</LineNumber>
<ServiceRoundNumber>0</ServiceRoundNumber>
</LineItem>
<PriceLevelIDRef>0-0</PriceLevelIDRef>
<SKU />
</MenuItem>
</DetailLine>
<DetailLine>
<MenuItem>
<LineItem>

```

```

<IDRef>1-2</IDRef>
<Quantity>1</Quantity>
<Total>2.3400</Total>
<Extensions>
  <AuthEmployee>0</AuthEmployee>
  <DetailStatus>000000</DetailStatus>
  <TaxMask>800000000</TaxMask>
  <ParentItem>0</ParentItem>
  <Name>Hot Dog TSfn</Name>
  <Percent>0</Percent>
  <PreviousRound>>false</PreviousRound>
</Extensions>
<LineNumber>2</LineNumber>
<ServiceRoundNumber>0</ServiceRoundNumber>
</LineItem>
<PriceLevelIDRef>0-0</PriceLevelIDRef>
<SKU />
</MenuItem>
</DetailLine>
<DetailLine>
<MenuItem>
<LineItem>
  <IDRef>1-2</IDRef>
  <Quantity>1</Quantity>
  <Total>3.4500</Total>
  <Extensions>
    <AuthEmployee>0</AuthEmployee>
    <DetailStatus>000000</DetailStatus>
    <TaxMask>800000000</TaxMask>
    <ParentItem>0</ParentItem>
    <Name>Hot Dog TSfn</Name>
    <Percent>0</Percent>
    <PreviousRound>>false</PreviousRound>
  </Extensions>
  <LineNumber>3</LineNumber>
  <ServiceRoundNumber>0</ServiceRoundNumber>
</LineItem>
<PriceLevelIDRef>0-0</PriceLevelIDRef>
<SKU />
</MenuItem>
</DetailLine>
<DetailLine>
<MenuItem>
<LineItem>
  <IDRef>1-2</IDRef>
  <Quantity>1</Quantity>
  <Total>4.5600</Total>
  <Extensions>
    <AuthEmployee>0</AuthEmployee>
    <DetailStatus>000000</DetailStatus>
    <TaxMask>800000000</TaxMask>

```

```

    <ParentItem>0</ParentItem>
    <Name>Hot Dog TSfn</Name>
    <Percent>0</Percent>
    <PreviousRound>>false</PreviousRound>
  </Extensions>
  <LineNumber>4</LineNumber>
  <ServiceRoundNumber>0</ServiceRoundNumber>
</LineItem>
<PriceLevelIDRef>0-0</PriceLevelIDRef>
<SKU />
</MenuItem>
</DetailLine>
</DetailLines>
</Transaction>
<TransactionGUID>9827c04d496f28102e856f7c662a852800000000</TransactionGUID>
<Totals>
  <Subtotal>11.5800</Subtotal>
  <TaxTotal>1.16</TaxTotal>
  <TaxTotalBreakDowns>
    <TaxTotalBreakDown>
      <Index>1</Index>
      <Total>1.16</Total>
      <Name>SALES TAX</Name>
    </TaxTotalBreakDown>
  </TaxTotalBreakDowns>
  <AutoServiceChargeTotal>0</AutoServiceChargeTotal>
  <OtherTotal>0</OtherTotal>
  <PaymentTotal>0</PaymentTotal>
  <AmountDueTotal>12.7400</AmountDueTotal>
  <TransactionTotal>12.7400</TransactionTotal>
</Totals>
<NextLineNumber>5</NextLineNumber>
<OpenDateTime>2011-10-20T18:40:36Z</OpenDateTime>
<CloseDateTime>1970-01-01T00:00:00Z</CloseDateTime>
<EmployeeNumber>501</EmployeeNumber>
<CashierNumber>0</CashierNumber>
<GroupNumber>0</GroupNumber>
<XferToRvc>0</XferToRvc>
<XferFromRvc>0</XferFromRvc>
<SplitFromCheckNumber>0</SplitFromCheckNumber>
<ReopenedFromCheckNumber>0</ReopenedFromCheckNumber>
<ReopenedToCheckNumber>0</ReopenedToCheckNumber>
<CheckStatus>00</CheckStatus>
<CheckStatus2>00</CheckStatus2>
<CheckPrintCount>0</CheckPrintCount>
<CheckId />
<Facsimile />
</TransactionInfo>
</Transactions>
<LocationId>2021</LocationId>
</Extensions>

```

```

<Transaction>
  <Header />
  <DetailLines />
</Transaction>
<Totals>
  <Subtotal>0</Subtotal>
  <AmountDueTotal>0</AmountDueTotal>
  <TransactionTotal>0</TransactionTotal>
</Totals>
<OpenDateTime>0001-01-01T00:00:00</OpenDateTime>
<CloseDateTime>0001-01-01T00:00:00</CloseDateTime>
<Facsimile />
</Response>
</GetTransactionResponse>
</soap:Body>
</soap:Envelope>

```

9.4.3.1 Get Check by Check GUID Operation

Request XML

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request ReturnFacsimile="true">
        <LocationRef>45</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>1</ApplicationName>
          <InterfaceVersion>1</InterfaceVersion>
        </RequestHeader>
        <TransactionGUID>9827c04d496f28102e856f7c662a852800000000</TransactionGUID>
        <Extensions>
          <TransactionType>OPEN</TransactionType>
          <ClosedDays>0</ClosedDays>
          <TableRef>0</TableRef>
          <EmployeeNumber>0</EmployeeNumber>
        </Extensions>
      </Request>
    </GetTransactionRequest>
  </soap:Body>
</soap:Envelope>

```

Response XML

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <LocationRef>45</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <Extensions>
          <LocationId>2021</LocationId>
        </Extensions>
        <TransactionNumber>535</TransactionNumber>
        <TransactionGUID>9827c04d496f28102e856f7c662a852800000000</TransactionGUID>
        <Transaction>
          <Header />
          <DetailLines>
            <DetailLine>
              <MenuItem>
                <LineItem>
                  <IDRef>1-2</IDRef>
                  <Quantity>1</Quantity>
                  <Total>1.2300</Total>
                  <Extensions>
                    <AuthEmployee>0</AuthEmployee>
                    <DetailStatus>000000</DetailStatus>
                    <TaxMask>800000000</TaxMask>
                    <ParentItem>0</ParentItem>
                    <Name>Hot Dog TSfn</Name>
                    <Percent>0</Percent>
                    <PreviousRound>>false</PreviousRound>
                  </Extensions>
                  <LineNumber>1</LineNumber>
                  <ServiceRoundNumber>0</ServiceRoundNumber>
                </LineItem>
                <PriceLevelIDRef>0-0</PriceLevelIDRef>
                <SKU />
              </MenuItem>
            </DetailLine>
            <DetailLine>
              <MenuItem>
                <LineItem>
```

```

<IDRef>1-2</IDRef>
<Quantity>1</Quantity>
<Total>2.3400</Total>
<Extensions>
  <AuthEmployee>0</AuthEmployee>
  <DetailStatus>000000</DetailStatus>
  <TaxMask>800000000</TaxMask>
  <ParentItem>0</ParentItem>
  <Name>Hot Dog TSfn</Name>
  <Percent>0</Percent>
  <PreviousRound>>false</PreviousRound>
</Extensions>
<LineNumber>2</LineNumber>
<ServiceRoundNumber>0</ServiceRoundNumber>
</LineItem>
<PriceLevelIDRef>0-0</PriceLevelIDRef>
<SKU />
</MenuItem>
</DetailLine>
<DetailLine>
  <MenuItem>
    <LineItem>
      <IDRef>1-2</IDRef>
      <Quantity>1</Quantity>
      <Total>3.4500</Total>
      <Extensions>
        <AuthEmployee>0</AuthEmployee>
        <DetailStatus>000000</DetailStatus>
        <TaxMask>800000000</TaxMask>
        <ParentItem>0</ParentItem>
        <Name>Hot Dog TSfn</Name>
        <Percent>0</Percent>
        <PreviousRound>>false</PreviousRound>
      </Extensions>
      <LineNumber>3</LineNumber>
      <ServiceRoundNumber>0</ServiceRoundNumber>
    </LineItem>
    <PriceLevelIDRef>0-0</PriceLevelIDRef>
    <SKU />
  </MenuItem>
</DetailLine>
<DetailLine>
  <MenuItem>
    <LineItem>
      <IDRef>1-2</IDRef>
      <Quantity>1</Quantity>
      <Total>4.5600</Total>
      <Extensions>
        <AuthEmployee>0</AuthEmployee>
        <DetailStatus>000000</DetailStatus>
        <TaxMask>800000000</TaxMask>
      </Extensions>
    </LineItem>
  </MenuItem>
</DetailLine>

```

```

    <ParentItem>0</ParentItem>
    <Name>Hot Dog TSfn</Name>
    <Percent>0</Percent>
    <PreviousRound>>false</PreviousRound>
  </Extensions>
  <LineNumber>4</LineNumber>
  <ServiceRoundNumber>0</ServiceRoundNumber>
</LineItem>
<PriceLevelIDRef>0-0</PriceLevelIDRef>
<SKU />
</MenuItem>
</DetailLine>
</DetailLines>
</Transaction>
<Totals>
  <Subtotal>11.5800</Subtotal>
  <TaxTotal>1.16</TaxTotal>
  <TaxTotalBreakDowns>
    <TaxTotalBreakDown>
      <Index>1</Index>
      <Total>1.16</Total>
      <Name>SALES TAX</Name>
    </TaxTotalBreakDown>
  </TaxTotalBreakDowns>
  <AutoServiceChargeTotal>0</AutoServiceChargeTotal>
  <OtherTotal>0</OtherTotal>
  <PaymentTotal>0</PaymentTotal>
  <AmountDueTotal>12.7400</AmountDueTotal>
  <TransactionTotal>12.7400</TransactionTotal>
</Totals>
  <NextLineNumber>5</NextLineNumber>
  <OpenDateTime>2011-10-20T18:40:36Z</OpenDateTime>
  <CloseDateTime>1970-01-01T00:00:00Z</CloseDateTime>
  <EmployeeNumber>501</EmployeeNumber>
  <CashierNumber>0</CashierNumber>
  <GroupNumber>0</GroupNumber>
  <XferToRvc>0</XferToRvc>
  <XferFromRvc>0</XferFromRvc>
  <SplitFromCheckNumber>0</SplitFromCheckNumber>
  <ReopenedFromCheckNumber>0</ReopenedFromCheckNumber>
  <ReopenedToCheckNumber>0</ReopenedToCheckNumber>
  <CheckStatus>00</CheckStatus>
  <CheckStatus2>00</CheckStatus2>
  <CheckPrintCount>0</CheckPrintCount>
  <CheckId />
  <Facsimile />
</Response>
</GetTransactionResponse>
</soap:Body>
</soap:Envelope>

```

9.4.3.2 Get Check by Table Number Operation

Request XML

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request ReturnFacsimile="true">
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>49</ApplicationName>
          <InterfaceVersion>1</InterfaceVersion>
        </RequestHeader>
        <TransactionGUID />
        <Extensions>
          <TransactionType>OPEN</TransactionType>
          <ClosedDays>0</ClosedDays>
          <TableRef>8</TableRef>
          <EmployeeNumber>0</EmployeeNumber>
        </Extensions>
      </Request>
    </GetTransactionRequest>
  </soap:Body>
</soap:Envelope>
```

Response XML

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <Extensions>
          <Transactions>
            <TransactionInfo>
              <TransactionNumber>559</TransactionNumber>
            </TransactionInfo>
          </Transactions>
        </Extensions>
      </GetTransactionResponse>
    </soap:Body>
  </soap:Envelope>
```



```

<Header>
  <OrderTypeIDRef>1</OrderTypeIDRef>
  <TableRef>8</TableRef>
</Header>
<DetailLines>
  <DetailLine>
    <MenuItem>
      <LineItem>
        <IDRef>122004-1</IDRef>
        <Quantity>1</Quantity>
        <Total>3.5000</Total>
        <Extensions>
          <AuthEmployee>0</AuthEmployee>
          <DetailStatus>400100</DetailStatus>
          <TaxMask>800000000</TaxMask>
          <ParentItem>0</ParentItem>
          <Name>B- SOUP DU JOUR</Name>
          <Percent>0</Percent>
        </Extensions>
        <LineNumber>2</LineNumber>
        <ServiceRoundNumber>0</ServiceRoundNumber>
        <SeatNumber>1</SeatNumber>
      </LineItem>
      <PriceLevelIDRef>1-3</PriceLevelIDRef>
      <SKU />
    </MenuItem>
  </DetailLine>
  <DetailLine>
    <MenuItem>
      <LineItem>
        <IDRef>122004-1</IDRef>
        <Quantity>1</Quantity>
        <Total>3.5000</Total>
        <Extensions>
          <AuthEmployee>0</AuthEmployee>
          <DetailStatus>400100</DetailStatus>
          <TaxMask>800000000</TaxMask>
          <ParentItem>0</ParentItem>
          <Name>B- SOUP DU JOUR</Name>
          <Percent>0</Percent>
        </Extensions>
        <LineNumber>3</LineNumber>
        <ServiceRoundNumber>0</ServiceRoundNumber>
        <SeatNumber>2</SeatNumber>
      </LineItem>
      <PriceLevelIDRef>1-3</PriceLevelIDRef>
      <SKU />
    </MenuItem>
  </DetailLine>
</DetailLine>
<MenuItem>

```

```

<LineItem>
  <IDRef>122004-1</IDRef>
  <Quantity>1</Quantity>
  <Total>3.5000</Total>
  <Extensions>
    <AuthEmployee>0</AuthEmployee>
    <DetailStatus>400100</DetailStatus>
    <TaxMask>800000000</TaxMask>
    <ParentItem>0</ParentItem>
    <Name>B- SOUP DU JOUR</Name>
    <Percent>0</Percent>
  </Extensions>
  <LineNumber>4</LineNumber>
  <ServiceRoundNumber>0</ServiceRoundNumber>
  <SeatNumber>3</SeatNumber>
</LineItem>
<PriceLevelIDRef>1-3</PriceLevelIDRef>
<SKU />
</MenuItem>
</DetailLine>
</DetailLines>
</Transaction>
<TransactionGUID>5f0f32fa01e156624824ac1701f62fe100291d04</TransactionGUID>
<Totals>
  <Subtotal>10.5000</Subtotal>
  <TaxTotal>1.05</TaxTotal>
  <TaxTotalBreakDowns>
    <TaxTotalBreakDown>
      <Index>1</Index>
      <Total>1.05</Total>
      <Name>SALES TAX</Name>
    </TaxTotalBreakDown>
  </TaxTotalBreakDowns>
  <AutoServiceChargeTotal>0</AutoServiceChargeTotal>
  <OtherTotal>0</OtherTotal>
  <PaymentTotal>0</PaymentTotal>
  <AmountDueTotal>11.5500</AmountDueTotal>
  <TransactionTotal>11.5500</TransactionTotal>
</Totals>
<NextLineNumber>5</NextLineNumber>
<OpenDateTime>2012-02-13T16:47:09Z</OpenDateTime>
<CloseDateTime>1970-01-01T00:00:00Z</CloseDateTime>
<EmployeeNumber>90002</EmployeeNumber>
<CashierNumber>90006</CashierNumber>
<GroupNumber>1</GroupNumber>
<XferToRvc>0</XferToRvc>
<XferFromRvc>0</XferFromRvc>
<SplitFromCheckNumber>0</SplitFromCheckNumber>
<ReopenedFromCheckNumber>0</ReopenedFromCheckNumber>
<ReopenedToCheckNumber>0</ReopenedToCheckNumber>
<CheckStatus>04</CheckStatus>

```

```

    <CheckStatus2>00</CheckStatus2>
    <CheckPrintCount>0</CheckPrintCount>
    <CheckId />
    <Facsimile />
  </TransactionInfo>
</Transactions>
<LocationId>2021</LocationId>
</Extensions>
<Transaction>
  <Header />
  <DetailLines />
</Transaction>
<Totals>
  <Subtotal>0</Subtotal>
  <AmountDueTotal>0</AmountDueTotal>
  <TransactionTotal>0</TransactionTotal>
</Totals>
<OpenDateTime>0001-01-01T00:00:00</OpenDateTime>
<CloseDateTime>0001-01-01T00:00:00</CloseDateTime>
<Facsimile />
</Response>
</GetTransactionResponse>
</soap:Body>
</soap:Envelope>

```

9.4.3.3 Get Check by GUID with wrong Table Number Operation

Request XML

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request ReturnFacsimile="true">
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>49</ApplicationName>
          <InterfaceVersion>1</InterfaceVersion>
        </RequestHeader>
        <TransactionGUID>5d7562c14f9dfd2130861bdd8846482e00000000</TransactionGUID>
        <Extensions>
          <TransactionType>OPEN</TransactionType>
          <ClosedDays>0</ClosedDays>
          <TableRef>5</TableRef>
          <EmployeeNumber>0</EmployeeNumber>
        </Extensions>
      </Request>
    </GetTransactionRequest>
  </soap:Body>
</soap:Envelope>

```

```

    </GetTransactionRequest>
  </soap:Body>
</soap:Envelope>

```

Response XML

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>>false</Success>
            <Error code="CheckTableNumberMismatch" message="Transaction Services experienced an
error and cannot continue to process this request.&#xD;&#xA;Reason: Check 566 {5d7562c1-4f9dfd21-
3086-1bdd8846482e~00000000} returned with Table Number 3 which does not match search criteria
Table Number 5.&#xD;&#xA;Error Code: CheckTableNumberMismatch&#xD;&#xA;" />
          </Result>
        </Result>
        <Extensions />
        <Transaction>
          <Header />
          <DetailLines />
        </Transaction>
        <Totals>
          <Subtotal>0</Subtotal>
          <AmountDueTotal>0</AmountDueTotal>
          <TransactionTotal>0</TransactionTotal>
        </Totals>
        <OpenDateTime>0001-01-01T00:00:00</OpenDateTime>
        <CloseDateTime>0001-01-01T00:00:00</CloseDateTime>
        <Facsimile />
      </Response>
    </GetTransactionResponse>
  </soap:Body>
</soap:Envelope>

```

9.4.3.4 Get Check by GUID with wrong Employee Number Operation

Request XML

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request ReturnFacsimile="true">
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>49</ApplicationName>
          <InterfaceVersion>1</InterfaceVersion>
        </RequestHeader>
        <TransactionGUID>7507621501e158134ba6ac1701f63d405d9613f0</TransactionGUID>
        <Extensions>
          <TransactionType>OPEN</TransactionType>
          <ClosedDays>0</ClosedDays>
          <TableRef>0</TableRef>
          <EmployeeNumber>501</EmployeeNumber>
        </Extensions>
      </Request>
    </GetTransactionRequest>
  </soap:Body>
</soap:Envelope>
```

Response XML

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <GetTransactionResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>>false</Success>
            <Error code="CheckEmployeeNumberMismatch" message="Transaction Services experienced an
error and cannot continue to process this request.&#xD;&#xA;Reason: Check 596 {75076215-01e15813-
4ba6-ac1701f63d40~5d9613f0} returned with Employee Number 90002 which does not match search
criteria Employee Number 501.&#xD;&#xA;Error Code:
CheckEmployeeNumberMismatch&#xD;&#xA;" />
          </Result>
        </Result>
      </Response>
    </GetTransactionResponse>
  </soap:Body>
</soap:Envelope>
```

```

</Result>
<Extensions />
<Transaction>
  <Header />
  <DetailLines />
</Transaction>
<Totals>
  <Subtotal>0</Subtotal>
  <AmountDueTotal>0</AmountDueTotal>
  <TransactionTotal>0</TransactionTotal>
</Totals>
<OpenDateTime>0001-01-01T00:00:00</OpenDateTime>
<CloseDateTime>0001-01-01T00:00:00</CloseDateTime>
<Facsimile />
</Response>
</GetTransactionResponse>
</soap:Body>
</soap:Envelope>

```

9.5 CalculateTotals Operation

CalculateTotals calculates the Totals for the check that could be created with the same check details.

The *CalculateTotals* operation takes input parameter [CalculateTransactionTotalsRequest](#) and returns [CalculateTransactionTotalsResponse](#) structure as defined below.

9.5.1 CalculateTotalsRequest

Name	Type	Data Type	Use	Comments
CalculateTransactionTotalsRequest	Element	CalculateTransactionTotalsRequest †	Req	Contains location info , revenue center info ,request header , Transaction field and extensions

9.5.1.1 CalculateTransactionTotalsRequest

Name	Type	Data Type	Use	Comments
locationRefField	Element	string	Req	Indicates location info
revenueCenterRefField	Element	string	Req	Indicates revenue center info
requestHeaderField	Element	RequestHeader ††	Req	Indicates Application Name , Interface Version and extensions

Name	Type	Data Type	Use	Comments
transactionField	Element	Transaction ††	Req	Indicates Transaction Header and Transaction Details.
extensionsField	Element	object	Nil	Indicates Extensions if any.

9.5.1.2 Request Header

Name	Type	Data Type	Use	Comments
applicationNameField	Element	string	Req	Indicates application name
interfaceVersionField	Element	string	Nil	Indicates interface version (Future use)
extensionsField	Element	object	Nil	Indicates Extensions if any.

9.5.1.3 Transaction

Name	Type	Data Type	Use	Comments
requestHeaderField	Element	TransactionHeader ††	Req	Indicates Number of guests, order type, Table info, Table Group info, Guest check info.
transactionField	Element	Transaction DetailLine ††	Req	Indicates list of Items

9.5.1.4 TransactionHeader

Name	Type	Data Type	Use	Comments
numGuestsField	Element	string	Nil	Indicates Guest count
orderTypeIDRefField	Element	string	Req	Indicates order type
tableRefField	Element	string	Req	Indicates table number.
tableGroupNumberField	Element	string	Nil	Indicates Table group number (Future use)
guestCheckRefField	Element	string	Nil	Indicates Guest check ID (Future use)

9.5.1.5 TransactionDetailLine

Name	Type	Data Type	Use	Comments
itemField	Element	object	Req	Indicates list of items: Menu item detail, service charge detail, tender detail. See section 8.2.1.4 for details

9.5.2 CalculateTotalsResponse

The *CalculateTotals* operation returns the *CalculateTransactionTotalsResponse* structure as defined below.

Name	Type	Data Type	Use	Comments
CalculateTransactionTotalsResponse	Element	CalculateTransactionTotalsResponse †	Req	Contains location info, revenue center info, response result, Transaction totals and extensions

9.5.2.1 CalculateTransactionTotalsResponse

Name	Type	Data Type	Use	Comments
locationRefField	Element	string	Req	Indicates location info
revenueCenterRefField	Element	string	Req	Indicates revenue center info
resultField	Element	ResponseResult ††	Req	Indicates Application Name , Interface Version and extensions
totalsField	Element	TransactionTotals ††	Req	Indicates Sub totals, discount total, tax total, Service charge total, Auto Service charge total, other total, payment total , amount due total and transaction Total fields.
extensionsField	Element	object	Req	Indicates Extensions if any.

9.5.2.2 ResponseResult

Name	Type	Data Type	Use	Comments
interfaceVersionField	Element	string	Req	Indicates interface version
resultField	Element	ResponseResultResult ††	Req	Indicates response result code and message.

9.5.2.3 ResponseResultResult

Name	Type	Data Type	Use	Comments
successField	Element	bool	Req	Indicates response status.
errorField	Element	ResponseResultResultError ††	Req	Indicates response result code and message.

9.5.2.4 ResponseResultResultError

Name	Type	Data Type	Use	Comments
extensionsField	Element	object	Req	Indicates Extensions if any.
codeField	Element	string	Req	Indicates Response result code.
messageField	Element	string	Req	Indicates Response result message.

9.5.2.5 TransactionTotals

Name	Type	Data Type	Use	Comments
subTotalField	Element	decimal	Req	Indicates Subtotal.
discountTotalField	Element	decimal	Req	Indicates Discount total. (Future use)
discountTotalFieldSpecified	Element	bool	Req	Indicates if Discount total specified or not. (Future use)
taxTotalField	Element	decimal	Req	Indicates Tax total.
taxTotalFieldSpecified	Element	bool	Req	Indicates if Tax total specified or not. (Future use)
taxTotalBreakDownsField	Element	TaxTotalBreakDowns ††	Req	Indicates detail Tax Total breaks down by tax itemizers.
serviceChargeTotalField	Element	decimal	Req	Indicates Service Charge total.
serviceChargeTotalFieldSpecified	Element	bool	Req	Indicates if Service charge total specified or not. (Future use)
autoServiceChargeTotalField	Element	decimal	Req	Indicates Auto Service charge total. (Future use)
autoServiceChargeTotalFieldSpecified	Element	bool	Req	Indicates if Auto Service charge total specified or not. (Future use)
otherTotalField	Element	decimal	Req	Indicates Other total.
otherTotalFieldSpecified	Element	bool	Req	Indicates if Other total specified or not. (Future use)
paymentTotalField	Element	decimal	Req	Indicates payment total.
paymentTotalFieldSpecified	Element	bool	Req	Indicates if Payment total specified or not. (Future use)
amountDueTotalField	Element	decimal	Req	Indicates Amount due total.
changeDueTotalField	Element	decimal	Req	Indicates Change due total.
transactionTotalField	Element	decimal	Req	Indicates Transaction total.

9.5.2.6 TaxTotalBreakDowns

Name	Type	Data Type	Use	Comments
TaxTotalBreakDown	Element	TaxTotalBreakDown ††	Req	Indicates Subtotal.

9.5.2.7 TaxTotalBreakDown

Name	Type	Data Type	Use	Comments
indexField	Element	string	Req	Indicates Tax Rate index defined in EMC Property Tax Table.
totalField	Element	decimal	Req	Indicates categorized Tax Total breaks down by Tax Itemizers or Tax Rates.
nameField	Element	string	Req	Indicates the names of the Tax Itemizers or Tax Rates defined in EMC Property Tax Table.

9.5.3 Calculate Totals Sample XMLs

Request XML:

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CalculateTransactionTotalsRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request>
        <LocationRef>1</LocationRef>
        <RevenueCenterRef>1</RevenueCenterRef>
        <RequestHeader>
          <ApplicationName>1</ApplicationName>
          <InterfaceVersion>1.0</InterfaceVersion>
        </RequestHeader>
        <Transaction>
          <Header>
            <NumGuests>1</NumGuests>
            <OrderTypeIDRef>1</OrderTypeIDRef>
          </Header>
          <DetailLines>
            <DetailLine>
              <MenuItem>
                <LineItem>
                  <IDRef>1-1</IDRef>
                </LineItem>
              </MenuItem>
            </DetailLine>
          </DetailLines>
        </Transaction>
      </Request>
    </CalculateTransactionTotalsRequest>
  </soap:Body>
</soap:Envelope>
```

```

    <Quantity>1</Quantity>
    <Total>1.00</Total>
    <LineNumber>1</LineNumber>
    <ServiceRoundNumber>0</ServiceRoundNumber>
  </MenuItem>
  <PriceLevelIDRef>1-1</PriceLevelIDRef>
</MenuItem>
</DetailLine>
<DetailLine>
  <MenuItem>
    <LineItem>
      <IDRef>2-1</IDRef>
      <Quantity>1</Quantity>
      <Total>1.00</Total>
      <Extensions>
        <Percent>0</Percent>
        <PreviousRound>>true</PreviousRound>
      </Extensions>
      <LineNumber>2</LineNumber>
      <ServiceRoundNumber>0</ServiceRoundNumber>
    </LineItem>
    <PriceLevelIDRef>1-1</PriceLevelIDRef>
  </MenuItem>
</DetailLine>
</DetailLines>
</Transaction>
</Request>
</CalculateTransactionTotalsRequest>
</soap:Body>
</soap:Envelope>

```

Response XML

```

<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <CalculateTransactionTotalsResponse xmlns="http://htng.org/PWS/2008B/Food Bev Ordering">
      <Response>
        <Result>
          <InterfaceVersion>1.0</InterfaceVersion>
          <Result>
            <Success>true</Success>
            <Error code="Success" message="SUCCESS" />
          </Result>
        </Result>
        <Totals>
          <Subtotal>2.00</Subtotal>
          <Tax Total>0.20</Tax Total>
          <Tax Total Break Downs>

```

```
<TaxTotalBreakDown>
  <Index>1</Index>
  <Total>0.20</Total>
  <Name>SALES TAX</Name>
</TaxTotalBreakDown>
</TaxTotalBreakDowns>
<AutoServiceChargeTotal>0</AutoServiceChargeTotal>
<OtherTotal>0</OtherTotal>
<PaymentTotal>0</PaymentTotal>
<AmountDueTotal>2.20</AmountDueTotal>
<TransactionTotal>2.20</TransactionTotal>
</Totals>
</Response>
</CalculateTransactionTotalsResponse>
</soap:Body>
</soap:Envelope>
```

9.6 PingServer Operation

PingServer checks if the Egateway server and the database is up.

The *PingServer* operation takes input parameter *PingServerRequest* and returns *PingServerResponse* structure as defined below

9.6.1 PingServerRequest

Name	Type	Data Type	Use	Comments
serverName	Element	string	Nil	Indicates the server url to be pinged. Reads the default value from web.config if nothing is passed.
extensionsField	Element	object	Nil	Indicates Extensions if any.

9.6.2 PingServerResponse

Name	Type	Data Type	Use	Comments
resultField	Element	ResponseResult ††	Req	Indicates the interface version and result field.
extensionsField	Element	string	Req	Indicates Extensions if any.
serverState	Element	bool	Req	Indicates if server is up or down.
dbState	Element	bool	Req	Indicates if database is up or down.

9.6.2.1 ResponseResult

Name	Type	Data Type	Use	Comments
interfaceVersionField	Element	string	Req	Indicates interface version
resultField	Element	ResponseResultResult †††	Req	Indicates response result code and message.

9.6.2.2 ResponseResultResult

Name	Type	Data Type	Use	Comments
successField	Element	bool	Req	Indicates response status.
errorField	Element	ResponseResultResultError ††	Req	Indicates response result code and message.

9.6.2.3 ResponseResultResultError

Name	Type	Data Type	Use	Comments
extensionsField	Element	object	Req	Indicates Extensions if any.

Name	Type	Data Type	Use	Comments
codeField	Element	string	Req	Indicates Response result code.
messageField	Element	string	Req	Indicates Response result message.

9.6.3 PingServer Sample XMLs

Request XML

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PingServerRequest xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Request>
        <ServerURL />
      </Request>
    </PingServerRequest>
  </soap:Body>
</soap:Envelope>
```

Response XML

```
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Body>
    <PingServerResponse xmlns="http://htng.org/PWS/2008B/FoodBevOrdering">
      <Response>
        <ServerState>true</ServerState>
        <DbState>true</DbState>
        <Result>
          <Result>
            <Success>true</Success>
            <Error code="Success" />
          </Result>
        </Result>
      </Response>
    </PingServerResponse>
  </soap:Body>
</soap:Envelope>
```