



Regal Technologies Guide to Integrating and Using the

# RegalTek Payment Web Service

Updated 11-02-09

# Table of Contents

1.0 Using the RegalTek Payment System.....	3
2.0 Request Values.....	4
3.0 Response Values .....	6
4.0 Example SOAP Requests and Responses .....	7
4.1 Example Request to Regal to perform a Transaction(s) on a Customer .....	7
4.2 Example Response from Regal after performing a Transaction(s) .....	8
5.0 Notes and Comments .....	9

## 1.0 Using the RegalTek Payment System

The RegalTek payment system is a web service designed to run 24 hours a day 7 days a week listening for SOAP requests coming to it. It's purpose is to manage customer information, store payment information and allow RegalTek clients to process ACH and CC transactions with a simple web service call.

It is located at the following URL:

<https://regaltek.secured-server.biz/RegalPayment/services/ProcessRequest>

The system will accept a standard SOAP request and return a SOAP response. To keep things simple, there is only one 'operation' built into the above web service. The operation is called 'processCommand'. Please see the examples section (4.0) for an idea on how the request and response should be structured based on this operation.

The following sections contain details about the request fields and the response values returned by the web service.

## 2.0 Request Values

The following table describes the field names and values to use when posting a SOAP request to the Regal Technologies system. There are two payment commands labeled 'T' for transact and 'Q' for query that a RegalTek client should use.

Please review the table below for information on all the possible request fields required to send commands. Please see section 4 for examples.

Field	Value	Type	Notes
merchantCode	The authentication token supplied to client by Regal Technologies	50 CHARs alphanumeric	Required
command	T for transact or Q for querying a previous transaction.	1 CHAR	Required
paymentMethod	Either ACH or CREDITCARD	16 CHARs	Required for command=T
paymentSubMethod	One of (Checking, Savings, Business, Visa, MasterCard, Amex, Discover, Unknown)	16 CHARs	Required for command=T
branchNumber	The merchant's branch number if applicable	16 CHARs	Optional
customerAccountNumber	The end user's customer account number if the merchant uses one.	16 CHARs	Optional
invoiceNumber	An optional invoice number	16 CHARs	Optional
bankRoutingNumber	The customer's bank routing or aba number	9 CHARs	Required for paymentMethod=ACH
bankAccountNumber	The customer's bank account number in cases of ACH	6 CHARs	Required for paymentMethod=ACH
checkDate	The date to process the check in YYYY-MM-DD format	10 CHARs	Required for paymentMethod=ACH
creditCardNumber	The customer's credit card number in cases of CREDITCARD	16 CHARs	Required for paymentMethod=CREDITCARD
expireMonth	The credit card expiry month	2 CHARs	Required for paymentMethod=CREDITCARD
expireYear	The credit card expiry year	4 CHARs	Required for paymentMethod=CREDITCARD
paymentAmount	The amount to process	12 CHARs	Required for command=T
serviceFee	The service fee to process if applicable	12 CHARs	Optional – will be added to the paymentAmount before processing
billFirstName	The customer's first name	25 CHARs	Required for command=T
billLastName	The customer's last name	25 CHARs	Required for command=T
billCompany	The customer's company if applicable	50 CHARs	Optional
billAddress	The customer's street address	50 CHARs	Required for command=T
billCity	The customer's city	25 CHARs	Required for command=T
billState	The two digit state abbreviation	2 CHARs	Required for command=T
billZip	The 5 digit customer zip code	5 CHARs	Required for command=T
billCountry	The customer's country	2 CHARs	Optional
billPhone	The customer's 10 digit phone number	10 CHARs	Required for command=T
billEmail	The customer's email address	50 CHARs	Required for command=T
billDriversLicenseNumber	The drivers license number if applicable for ACH transactions	24 CHARs	Optional
billDriversLicenseState	The drivers license state if applicable for ACH transactions	2 CHARs	Optional
shipFirstName	The customer's ship to first name	25 CHARs	Optional
shipLastName	The customer's ship to last name	25 CHARs	Optional

shipCompany	The customer's ship to company	50 CHARs	Optional
shipAddress	The customer's shipping address	50 CHARs	Optional
shipCity	The customer's shipping city	25 CHARs	Optional
shipState	The customer's shipping state	2 CHARs	Optional
shipZip	The customer's shipping zip	5 CHARs	Optional
shipCountry	The customer's shipping country	2 CHARs	Optional
shipPhone	The customer's ship to phone	10 CHARs	Optional
shipEmail	The customer's shipping email	50 CHARs	Optional
description	An optional payment description	255 CHARs	Optional
trackingNumber	The trackingNumber of a previous transaction. Used to retrieve previous transaction's status.	16 CHARs	Required for command=Q

### 3.0 Response Values

The following values represent the different parts of a response that can come back as a result of running a request using values in section 2.0.

Field	Value	Type	Notes
command	Original command this response is referring to	1 CHAR	Echoed from request
commandResponseCode	The response to attempting the 'command' 1 for successful, 2 for declined, 3 for error	1 NUM	This is the overall response to the request 'command' field. Do not confuse this with the paymentResponseCode
commandResponseText	The text describing the commandResponseCode	120 CHARs	A description of the declined message or error that occurred by attempting to process the request 'command'.
paymentAmount	The amount attempted to charge.	12 CHARs amount	For command=T or command=Q.
paymentResponseCode	The payment 'response code' returned from the transaction	1 NUM	1=approved, 2=declined, 3=error.
paymentResponseText	The 'response text' returned from attempting a transaction	120 CHARs	The description of the paymentResponseCode. This will likely be 'Transaction Inserted Successfully' or just 'Success'.
paymentTransactionID	The ACH or CC transaction ID for 'T' commands. This can be used to lookup transactions in the Regal reporting tools. It is provided by the back end bank provider.	16 CHARs	This is a unique ID with a 1 to 1 relationship per transaction attempt.
trackingNumber	The RegalTek tracking number for the payment.	16 CHARs	This is unique to all transactions.
approvalCode	The 5-6 digit approval code returned for CC transactions from the back end bank provider.	6 CHARs	This is not unique but is issued and may be used to verify payment with the credit card companies.

## 4.0 Example SOAP Requests and Responses

### 4.1 Example Request to Regal to perform a Transaction(s) on a Customer

The following is an example request to Regal in order to signal that a transaction should be performed on a customer.

```
<soapenv:Envelope xmlns:q0=http://processor
xmlns:soapenv=http://schemas.xmlsoap.org/soap/envelope/
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi=http://www.w3.org/2001/XMLSchema-
instance>
<soapenv:Header />
<soapenv:Body>
<q0:processCommand>
  <q0:merchantCode>KLJ234KL234OIU9KJ234JKL234LKJ423JKL243JLK8490386J2</q0:
merchantCode >
  <q0:command>T</q0: command >
  <q0:paymentMethod>ACH</q0: paymentMethod >
  <q0:paymentSubMethod>Checking</q0: paymentSubMethod >
  <q0:bankRoutingNumber>123456780</q0:bankRoutingNumber>
  <q0:bankAccountNubmer>654321</q0:bankAccountNubmer>
  <q0:checkDate>2009-05-21</q0:checkDate>
  <q0:paymentAmount>123.45</q0:paymentAmount>
  <q0:customerAccountNumber>55555</q0:customerAccountNumber>
  <q0:billFirstName>TestFirst</q0:billFirstName>
  <q0:billLastName>TestLast</q0:billLastName>
  <q0:billAddress>123 Test St</q0:billAddress>
  <q0:billCity>Testville</q0:billCity>
  <q0:billState>CA</q0:billState>
  <q0:billZip>90210</q0:billZip>
  <q0:billPhone>4445556666</q0:billPhone>
  <q0:billEmail>test@example.com</q0:billEmail>
</q0:processCommand>
</soapenv:Body>
</soapenv:Envelope>
```

## **4.2 Example Response from Regal after performing a Transaction(s)**

And here is the response that one might expect from the example in 4.1.

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
<soapenv:Body>
<processCommandResponse xmlns="http://processor">
<processCommandReturn>
  <command>T</command>
  <commandResponseCode>1</commandResponseCode>
  <commandResponseText>Successfully ran Transact command</commandResponseText>
  <paymentAmount>123.45</paymentAmount>
  <paymentResponseCode>1</paymentResponseCode>
  <paymentResponseText>Transaction Inserted Successfully</paymentResponseText>
  <paymentTransactionID>456987123</paymentTransactionID>
  <trackingNumber>1234567890123456</trackingNumber>
  <approvalCode></approvalCode>
</processCommandReturn>
</processCommandResponse>
</soapenv:Body>
</soapenv:Envelope>
```

## 5.0 Notes and Comments