



Transparent Database Engine

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1 Introduction to the TDBE

The **eProcessingNetwork Transparent Database Engine Template** (TDBE) is an Application Programming Interface (API) that provides advanced features for integration with the **eProcessingNetwork Transaction Processing Gateway**. These features require advanced computer skills, including programming skills to implement.

The TDBE is intended for developers that collect and maintain a customer's order information. The TDBE can be utilized from a program or CGI script submitting a CGI form and waiting on the response, allowing merchants to interact with the gateway without customers ever seeing this interaction.

To process transactions with the TDBE, programmers must be able to establish a secure HTTPS session. This usually requires programmers to have installed security libraries on their own server(s) specific to the programming language utilized by each programmer and, while this is beyond the scope of the Technical Support offered by eProcessingNetwork, most languages used offer good documentation on the installation and use of such libraries.

This document contains examples of the interaction that programs or CGI scripts would have with the TDBE, demonstrating how various parameters are used and how these parameters affect the responses.

HTML code for all documented examples is available in the Appendix. Each example utilizes an HTML form that to illustrate the interaction that your program or CGI script will have with the gateway. It is intended to show you how your program needs to interact, since your program needs to act like a web browser, by showing you how if it were a web browser processing a CGI form how the forms and values are responded to. Do not use these HTML forms in your integration with the TDBE.

2 Use of the Transparent Database Engine Template

The TDBE is implemented as a POST method CGI function. **Do not use the GET method**, which exposes sensitive information. Transaction requests to the TDBE should be posted to:

<https://www.eProcessingNetwork.Com/cgi-bin/tdbe/transact.pl>

Although the TDBE has many advanced features, the minimum information needed for a TDBE transaction is listed here. It is strongly recommended that you pass all the fields listed in the section titled "Optional Fields". All fields are **Case Sensitive**

- **ePNAccount** - the **eProcessingNetwork** account number that was assigned to the merchant. Do not pass in the Business Name or the Merchant ID assigned by the Acquiring Bank or Merchant Service Provider.
- **CardNo** - the credit card number.
- **ExpMonth** – the credit card expiration month, 01 through 12.
- **ExpYear** - the credit card expiration year. This must be passed in as a 2 digit year, i.e. 05 for 2005.
- **Total** - the amount of the transaction, for example 12.34. Do not include currency symbols or commas.
- **Address** - the street address on file with the cardholder's issuing bank (for AVS).
- **Zip** - the zip code on file with the cardholder's issuing bank (for AVS).
- **Email** - if this is a valid email address, **eProcessingNetwork** will email a transaction summary to the cardholder. If you do not want eProcessingNetwork to send an email confirmation simply do not pass this field.
- **CVV2Type** - choices are: (you should always require CVV2)
 - 0 – CVV2 should not be used for this transaction
 - 1 – CVV2 should be used for this transaction
 - 2 – the card's CVV2 is illegible
 - 9 –This credit card has no CVV2 imprinted on it. ***Before using the CVV2Type 9 you will need to check with the merchants processor to see if it is acceptable.***
- **CVV2** – the CVV2 value on the card. If you pass in 0 for CVV2Type, then pass this as empty.
- **RestrictKey** – Security Key see Section 6 for complete instructions.

3 Testing Transactions

Our demo accounts 080880 and 010930 are designed to assist in integration by simulating approvals and declines. These accounts look and operate like any "real" account except that no money changes hands.

Test Account Information:

UserName/ePNAccount Number: 080880
Password: 080880pw
RestrictKey: yFqqXJh9Pqnugfr

Testing without RestrictKey:

UserName/ePNAccount Number: 010930
Password: 010930pw

The way the demo accounts work is the transaction is approved or declined based solely on the amount of the transaction.

Declined: To receive a declined transaction your ***Total*** should end with 1, such as 2.01, 44.51.

Approved: To receive an approved transaction your ***Total*** should end in an even number such as 2.02, 44.00.

Responses to requests posted to the TDBE are quoted, comma-delimited strings. The first string always starts with a **Y** (Yes, approved), an **N** (No, declined) or a **U** (No, unable), and is followed by up to 16 characters describing the transaction response. The second string is the Issuing Banks' Address Verification Systems' response to the street address and Zip code supplied. The third string is the Issuing Banks response to the CVV2 information supplied, and is only returned if CVV2 is used for the transaction.

The HTML Example 3.1 (see appendix), shown in Figure 3.1, this utilizes the minimum requirements as described above.

3.1 Basic Example

Figure 3.1 – See Appendix 9.1

ePNAccount:	<input type="text" value="080880"/>
CardNo:	<input type="text" value="4111111111111111"/>
ExpMonth:	<input type="text" value="12"/>
ExpYear:	<input type="text" value="09"/>
Total:	<input type="text" value="12.34"/>
Address:	<input type="text" value="123 Fake St"/>
Zip:	<input type="text" value="12345"/>
EMail :	<input type="text" value="customer@email.com"/>
CVV2Type:	<input type="text" value="1"/>
CVV2:	<input type="text" value="123"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
Submit:	<input type="button" value="Submit"/>

Response:

```
<html>  
<body>"YAPPROVED 755596","AVS Match  
9 Digit Zip and Address (X)","CVV2 Match  
(M)"  
</body>  
</html>
```

Notice:

The ePNAccount number is 080880 and we will use this account for the remainder of our examples because of its use of the Restrict Key. The response is wrapped with HTML, often useful for debugging. To make it easier to parse this response, pass in another field named "HTML" with the value set to "No", as in HTML Figure 3.2.

Figure 3.2– See Appendix 9.2

Response:

ePNAccount:	<input type="text" value="080880"/>
CardNo:	<input type="text" value="4111111111111111"/>
ExpMonth:	<input type="text" value="12"/>
ExpYear:	<input type="text" value="09"/>
Total:	<input type="text" value="12.34"/>
Address:	<input type="text" value="123 Fake St"/>
Zip:	<input type="text" value="12345"/>
EMail :	<input type="text" value="customer@email.com"/>
CVV2Type:	<input type="text" value="1"/>
CVV2:	<input type="text" value="123"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Submit:	<input type="button" value="Submit"/>

```
"YAPPROVED 195632","AVS Match 9 Digit  
Zip and Address (X)","CVV2 Match (M)"
```

Notice:

The transaction response contains two parts, the first character indicates if the transaction was approved and the remaining characters describe the approval or decline. The first value is the transaction response, the second value is the Issuing Bank's Address Verification System response and the third value is the Issuing Bank's response to the CVV2.

3.2 AVS Responses

With exceptions listed below, you will always receive on a keyed transaction an AVS response of "X" or the Address and 9 digit zip code match. To get specific AVS Responses set the first 4 digits of the address that you pass in to be one of the following:

Address	Response
1000	A - Address Matches, Zip Code does not Match
1001	E - Error Response
1002	N - Address and Zip Code do not match
1003	R - Retry, System Not Available
1004	S - Service Not Supported
1005	U - Address Information is Not Available
1006	W - 9 digit Zip Code matches, Address does not match
1007	X - Exact Match of Address and Zip Code
1008	Y - Match of Address and 5 digit Zip Code
1009	Z - 5 digit Zip Code matches, Address does not match
1010	G - Non AVS Participant Outside of U.S
1011	B - Street Address matches for international transaction. Postal Code not verified due to incompatible formats
1012	C - Street Address and Postal Code not verified for international transaction due to incompatible formats
1013	D - Street Address and Postal Code match for international transaction
1014	I - Address information is not verified for international transaction
1015	M - Street Address and Postal Code match for international transaction
1016	P - Postal Code matches for international transaction. Street Address not verified due to incompatible formats
1017	(space) - Unknown Response

3.3 CVV2 Responses

With exceptions listed below, you will always receive on a keyed transaction a CVV2 response of "M" or CVV2 match. To get specific AVS Responses set the first 3 digits of the CVV2 that you pass in to be one of the following:

CVV2 #	CVV2 response
100	M - Card Verification Value matches
101	N - Card Verification does not match
102	P - Not Processed
103	S- Card should have a Card Verification Value, Merchant indicated Value is not present
104	U - Issuer Not Certified
105	(space) - Unknown CVV2 Response (CVV2 not available)

4 Optional Fields

The following named fields can optionally be passed in, and will be saved by the gateway with each transaction. Passing more information, allows merchants to easily recognize transactions on the gateway when using reporting features. **Table 4.1 – Optional Field Names and Descriptions**

FIELD NAME	FIELD DESCRIPTION
Company	Name of Company
FirstName	Person's First Name
LastName	Person's Last Name
City	City
State	2 Character State Code
Phone	Allows setting the Invoice Number Phone number
Inv	(up to 8 digits) as well as reporting(see below)
Description	Describe what was ordered for this transaction.
RestrictKey	Security feature, like a password to indicate it came from you.

4.1 Invoice Number

The invoice number field "Inv" is a special field. By using it, the response changes dramatically by returning some extra information. If you set the Inv the response will include the invoice number used in the transaction as well as the eProcessingNetwork Transaction ID.

By default, the gateway starts each merchants invoice number at 1 and automatically increments that number with each approved transaction.

By passing in a number of up to 8 digits (will be truncated to 8 if longer), the transaction will be submitted to and recorded by the processor with that invoice number. We recommend that invoice numbers passed in start in a high range so that there is no conflict with any transactions entered via the Online Terminal.

Optionally, the field named Inv can be set to the lower-case word "report", in which case the transaction will be processed using the automatically incremented invoice number, and the response will contain the invoice number used, as well as a Transaction ID.

Figure 4.1a– See Appendix 9.3

ePNAccount:	<input type="text" value="080880"/>
CardNo:	<input type="text" value="4111111111111111"/>
ExpMonth:	<input type="text" value="12"/>
ExpYear:	<input type="text" value="09"/>
Total:	<input type="text" value="12.34"/>
Address:	<input type="text" value="123 Fake St"/>
Zip:	<input type="text" value="12345"/>
EMail :	<input type="text" value="customer@email.com"/>
CVV2Type:	<input type="text" value="1"/>
CVV2:	<input type="text" value="123"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
Submit:	<input type="button" value="Submit"/>

Response:

"YAPPROVED 184752", "AVS Match 9 Digit Zip and Address (X)", "CVV2 Match (M)", "23", "20080828140719-080880-23"

Notice:

There are two other values were returned, "23" is the invoice number, and "20080828140719-080880-23" is the Transaction ID. You may need this for other transaction types such as Void. Transaction ID's are pretty simple they start with a timestamp, followed by the account number followed by the invoice. Some transactions have a fourth part, declines can add a "-0" to the end, checks add a "-6" to the end and voids add a "-5" to the end.

4.1.1 Confirmation Script and Invoice Number

One of the primary uses for the invoice number is to help defend against network errors. It is not uncommon for the transaction to not respond, caused by network issues. This leaves you not knowing the status of your transaction.

If you use your own invoice numbers when you submit transactions (i.e. you maintain an auto incrementing integer for use in tracking transactions) you can look up the status of a transaction. In Figure 4.1a we are passing an invoice number for INV

Figure 4.1a

ePNAccount:	<input type="text" value="080880"/>
CardNo:	<input type="text" value="4111111111111111"/>
ExpMonth:	<input type="text" value="12"/>
ExpYear:	<input type="text" value="09"/>
Total:	<input type="text" value="12.34"/>
Address:	<input type="text" value="123 Fake St"/>
Zip:	<input type="text" value="12345"/>
EMail :	<input type="text" value="customer@email.com"/>
CVV2Type:	<input type="text" value="1"/>
CVV2:	<input type="text" value="123"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="99998"/>
Submit:	<input type="button" value="Submit"/>

Response:

"YAPPROVED 063004","AVS Match 9 Digit Zip and Address (X)","CVV2 Match (M)","99998","20080828142107-080880-99998"

Notice:

The invoice number returned and in the Transaction ID is 99998 which was passed in.

Let us suppose we did not get the response for this transaction and are curious of the status we would post the form shown in Figure 4.1.1b to the script:

<https://www.eprocessingnetwork.com/cgi-bin/tdbe/confirmation.pl>

This will allow us to look up the value of this transaction by the invoice number that we passed in, and you see it returns an identical response to TDBE.

Figure 4.1b– See Appendix 9.4

Response:

ePNAccount:	<input type="text" value="080880"/>
Inv:	<input type="text" value="99998"/>
RestrictKey:	<input type="text" value="yFqqXjh9Pqnugfr"/>
Submit:	<input type="button" value="Submit"/>

"Y","YAPPROVED 063004","AVS match, address & 9 digit Zip","CVV2 Match","99998","20080828142107-080880-99998"

Notice:

In Figure 4.1b we are using a new variable NewFormat = 1.

If it cannot find the transaction, such as by incrementing the 99998 to 99999 which has not been processed here is the response.

"N", "Not Found"

This way you can determine whether the transaction has been processed or not. Keep in mind, worst case scenarios need you to wait 2 minutes before executing the confirmation script, as it might be still in queue.

4.2 RestrictKey Field and Security

It is highly recommended that you pass your account's RestrictKey in to each transaction regardless of type or importance. This is a shared secret, like a password. It lets the gateway know the transaction came from you and you alone. If you ever feel that your RestrictKey has been compromised, you should immediately change it. To set or change the RestrictKey, you need to log into the Merchant Support Center and select Processing Controls and then go to the bottom entitled "Advanced". Here, click on the checkbox "Check to use RestrictKey to Restrict TDBE/Authorize.Net™ Emulator Usage". Then set the key. Once you set this key from that point on TDBE and our other integration the Authorize.Net™ EMULATOR will not let any transaction process that does not have the correct RestrictKey. Also all of the advanced transactions will not process without one.

Advanced

The settings in the **Advanced** section are for advanced developers utilizing the **Transparent Database Engine Template** or the Authorize.Net™ Emulator ONLY. These settings **DO NOT** apply to **s Cart, Order Form, Database Engine Template**, or any other method of processing through .

Restricted Usage of Transparent Database Engine Template (TDBE) and Authorize.Net™ Emulator

If you enable this security method, the TDBE and the Authorize.Net™ Emulator will not process transactions for this account unless the RestrictKey or (X_TRAN_KEY) generated below is passed in with the transaction (RestrictKey=). The Restrict Key is also used in the SIM protocol to generate the fingerprint, if you are using the SIM protocol please do not pass in the X_TRAN_KEY. The MD5 Hash Value used for the X_MD5_HASH value is the same as the X_TRAN_KEY. **Please be advised that if you enable this feature, all TDBE and Authorize.Net™ Emulator transactions will be declined unless the correct RestrictKey (X_TRAN_KEY) is presented.**

Check to use RestrictKey to Restrict TDBE/Authorize.Net™ Emulator Usage.

Generate RestrictKey

kMqC3Sxywk8CFX

Save RestrictKey and Policy

If you have the RestrictKey set, and a transaction comes in without the RestrictKey, or is the incorrect RestrictKey, this is the response that you will get

"UService Unavailable"

If you run an advanced transaction that requires a RestrictKey, and you do not have one setup, then you will get this response:

"UTransaction Not Compatible"

5 Transaction Types

We allow many different types of transactions to be processed. This is the current list as of the printing of this document.

To perform a specific type of transaction you must pass in the field "TranType". It can be one of the following, please consider the notes:

Table 5.1 – Transaction Types

TranType	DESCRIPTION
AuthOnly	Processes the transaction as an authorization only. That is, the transaction is not captured (batched). You will later need to perform an "Auth2Sale" transaction to have that transaction captured (batched). You will need to record the "TransID" to later capture the transaction.
Auth2Sale	Capture (batch) an Authorization Only transaction. You will need the "TransID" from the initial authorization to capture.
AuthDel	If you decide not to capture an Authorizaton Only transaction, you have the option to "delete" it from the database. You will need the "TransID" to delete it.
Sale	This is usually the default transaction type, the transaction will be authorized and batched (captured).
AuthConvert	This is a transaction that performs an Authorization Only and then checks the AVS response and the CVV2 response. If the AVS and CVV2 response match one of the values you set in the "Processing Controls" in the Merchant Support Center, then this transaction is approved by us, otherwise we decline the transaction (although an outstanding authorization exists).
Void	This is a special transaction. If you have processed a transaction and decide you no longer want this transaction, you can "void" it. This must be done before the evening "batch close" or "capture" process happens. You will need the "TransID" to perform this transaction.
Return	This processes a "Return" or "Credit" against the cardholder's card, essentially refunding them money. You can pass the "TransID" for "CardNo" to process a Return on an existing transaction on the gateway.
Store	Allows you to "Store" customer and credit card data on the eProcessingNetwork's Activity Database without actually charging the card. That is, the transaction is not Authorized on submission so you will need to record the "TransID" as the credit card number in your database for any future activity.

DebitSale	Processes a debit sale transaction. In order to use this type of transaction you must have access to DukPT equipment that is properly injected with your processors keys. You must pass in Swiped=1 and set the CardNo to the Track2 value, set PINBlock and KeySerial to your DukPT values returned from the pin entry.
DebitReturn	Same as above, but refunds money to the cardholders' account. Still requires the DukPT values.
Voice	Same as a sale, except you received the Authorization from some other source. You must also pass AuthCode and set it to the 6 character authorization code.
Recur	Process this transaction as a recurring transaction, you do not need to pass CVV2, or Address and Zip they will be ignored.
CashSale	No money changes hands, we just record it for you so that it can be viewed in the reporting.
CashReturn	Same as above, only that you refunded money to the customer.
CloseBatch	Close the batch.

5.1 Transaction Examples

The following are example transactions to show you how the system works.

5.2 Authorization Only

Here we will show you how to first authorize the card, and then later converting it to a sale. A typical scenario for this would be a daily review of your transactions and only fulfilling the ones that you feel are good transactions, weeding out ones that are not. If you do not convert this transaction to a sale, it will eventually become stale and not be useful. We recommend if you decide not to convert it to sale, to then do an AuthDel transaction to clean it off of the system.

We will perform 2 Authorization Only transactions, one we will convert to sale, and the other we will delete. I ran it twice to get cannon fodder for this example.

Figure 5.2– See Appendix 9.5

ePNAccount:	<input type="text" value="080880"/>
CardNo:	<input type="text" value="4111111111111111"/>
ExpMonth:	<input type="text" value="12"/>
ExpYear:	<input type="text" value="09"/>
Total:	<input type="text" value="44.50"/>
Address:	<input type="text" value="123 Fake St"/>
Zip:	<input type="text" value="12345"/>
EMail :	<input type="text" value="customer@email.com"/>
CVV2Type:	<input type="text" value="1"/>
CVV2:	<input type="text" value="123"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnuqfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
TranType:	<input type="text" value="AuthOnly"/>
Submit:	<input type="button" value="Submit"/>

Response:

"YAPPROVED 361468","AVS Match 9 Digit Zip and Address (X)","CVV2 Match (M)","24","20080828155437-080880-24"

And

"YAPPROVED 124864","AVS Match 9 Digit Zip and Address (X)","CVV2 Match (M)","25","20080828155713-080880-25"

Notice:

The TranType is set to AuthOnly.

5.3 AuthDel

Now let's delete the 2nd transaction that we ran.

ePNAccount:	<input type="text" value="080880"/>
TransID:	<input type="text" value="80828155713-080880-25"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
TranType:	<input type="text" value="AuthDel"/>
Total:	<input type="text" value="1.00"/>
Submit:	<input type="button" value="Submit"/>

Figure 5.3– See Appendix 9.6

Response:

"YSUCCESSFUL","","","24","20080828155713-080880-25"

Notice:

Now has a different TransID the original transaction no longer exists, it has been transformed into a new transaction.

5.4 Auth2Sale

Now using the TransID's from these 2 transactions, first we will convert the transaction to a sale. The Auth2Sale TranType will convert the transaction to a sale and the value of Total will be used to settle that transactions amount. This value should be the same amount or below the original authorization amount.

Figure 5.4– See Appendix 9.7

ePNAccount:	<input type="text" value="080880"/>
TransID:	<input type="text" value="80828155437-080880-24"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
TranType:	<input type="text" value="Auth2Sale"/>
Total:	<input type="text" value="1.00"/>
Submit:	<input type="button" value="Submit"/>

Response:

"YSUCCESSFUL","","","24","20080828160112-080880-24"

Notice:

The TranType is set to Auth2Sale; pass in the original Auth amount or an amount less than the original Auth. For example if you got an Auth for a 1.00 and your order worked out to be 0.75 then pass 0.75 for the total. Instead of a Credit Card I pass in TransID from the first of the above 2 transactions.

5.5 Voiding a Sale

To void a transaction that has processed you would submit the *TransID* and the *TranType = Void*. For the example in Figure 5.5 we are using a previous example Figure 5.4 where we received the response:

"YAPPROVED 334512","AVS Match 9 Digit Zip and Address (X)","CVV2 Match (M)","27","20080828161434-080880-27"

ePNAccount:	<input type="text" value="080880"/>
TransID:	<input type="text" value="80828161434-080880-27"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
TranType:	<input type="text" value="Void"/>
Total:	<input type="text" value="1.00"/>
Submit:	<input type="button" value="Submit"/>

Figure 5.5 See Appendix 9.8

Response:

"YSUCCESSFUL","","","27","20080828161728-080880-27-5"

Notice:

In order for a transaction to be voided it must still be in the current batch otherwise you would have to submit a return transaction.

5.6 Close Batch

You may also use the TDBE API to close a batch.

ePNAccount:	<input type="text" value="080880"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
TranType:	<input type="text" value="CloseBatch"/>
Total:	<input type="text" value="1.00"/>
Submit:	<input type="button" value="Submit"/>

Figure 5.6 - See Appendix 9.9

Response:

"YSUCCESSFUL"

Notice:

This only means that the batch is queued to be closed, but will likely close within minutes.

5.7 Credit/Returns

You can issue a Credit/Return with the customer information using their Credit Card number as above, or see the section entitled "Using TransID instead of a Credit Card". Here is an example in Figure 5.7 with the credit card.

Figure 5.7 - See Appendix 9.10

ePNAccount:	<input type="text" value="080880"/>
CardNo:	<input type="text" value="4111111111111111"/>
ExpMonth:	<input type="text" value="12"/>
ExpYear:	<input type="text" value="09"/>
Total:	<input type="text" value="5.00"/>
EMail :	<input type="text" value="customer@email.com"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
TranType:	<input type="text" value="Return"/>
Submit:	<input type="button" value="Submit"/>
Submit:	<input type="button" value="Submit"/>

Response:

"YSUCCESSFUL", "", "", "29", "20080828164609-080880-29"

Notice:

This requires a written request signed by the merchant to be faxed to 713-880-0337 on a company letter head to activate this function to an account.

5.8 Store

By passing "Store" for the **TranType** you can store customer information including the card number. Processing a Credit can use the Credit Card number as above, or see the section entitled "Using TransID instead of a Credit Card". Here is an example in Figure 5.7 with the credit card.

ePNAccount:	<input type="text" value="080880"/>
CardNo:	<input type="text" value="4111111111111111"/>
ExpMonth:	<input type="text" value="12"/>
ExpYear:	<input type="text" value="09"/>
Total:	<input type="text" value="44.50"/>
Address:	<input type="text" value="123 Fake St."/>
Zip:	<input type="text" value="12345"/>
EMail :	<input type="text" value="customer@email.com"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
TranType:	<input type="text" value="Store"/>
Submit:	<input type="button" value="Submit"/>

Figure 5.8 - See Appendix 9.11

Response:

"YSUCCESSFUL", "AVS Service Not Supported (S)", "", "4048", "20090720105945-080880-4048"

Notice:

The TranTpe is set to "Store".

5.9 Voice Auth

ePNAccount:	<input type="text" value="080880"/>
CardNo:	<input type="text" value="4111111111111111"/>
ExpMonth:	<input type="text" value="12"/>
ExpYear:	<input type="text" value="09"/>
Total:	<input type="text" value="55.00"/>
EMail :	<input type="text" value="customer@email.com"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnugfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
TranType:	<input type="text" value="Voice"/>
AuthCode:	<input type="text" value="123456"/>
Submit:	<input type="button" value="Submit"/>

You can run a voice auth, you will need the 6 character authorization code and pass it in as AuthCode.

Figure 5.9 - See Appendix 9.12

Response:

""YSUCCESSFUL","","","30","20080828164923-080880-30""

Notice:

This you do need the card number to perform a VoiceAuth and the TranType is set to Voice.

5.10 Swiped/Card Present Transactions

To process a transaction as a swiped transaction, pass in the field Swiped with the value of 1. Do not pass in "CVV2Type", "CVV2", "ExpMonth", "ExpYear" as they will be ignored. You will pass the following variables.

ePNAccount	The eProcessingNetwork account number.
Total	Pass in the Total of the sale.
CardNo	Pass in the full track either Track1 or Track2. Include the sentinels such as %, ; and ?
Swiped	1

5.11 Pin Debit Transactions

To process a transaction as a swiped transaction, pass in the field Swiped with the value of 1. Do not pass in "CVV2Type", "CVV2", "ExpMonth", "ExpYear" as they will be ignored. You will pass the following variables.

ePNAccount	The eProcessingNetwork account number.
Total	Pass in the Total of the sale.
PINBlock	This information is provided directly from your PIN debit device.
KeySerial	This information is provided directly from your PIN debit device.
CardNo	Pass in ONLY Track2. Example: ;5405010100000016=071210100000037100?
Swiped	1

5.12 PC Level II

For Purchase Level II support you need to pass in Tax with a tax amount and CustCode with the cardholder's Invoice Number / Customer Code. CustCode can be no more than 17 characters.

ePNAccount	The eProcessingNetwork account number.
Total	Pass in the full track either Track1 or Track2. Include the sentinels such as %, ; and ?
CardNo	Pass in the full track either Track1 or Track2. Include the sentinels such as %, ; and ?
Tax	Pass in the tax amount if non applicable then pass 0.00
CustCode	Pass in your invoice number, purchase order number or Customer code for this sale.
Swiped	1

5.13 Sale From TransID

In most transactions types that need a Credit Card value passed in "CardNo". You can instead send in the field "TransID" and either not pass "CardNo" or pass it blank. This will look up the card (but not show you) and use that in the transaction. It will also find the expiration date and use that unless you also pass in "ExpMonth" and "ExpYear". These will override what is on file. There is a huge caveat: the transaction referred to in the TransID must be a closed transaction.

Figure 5.13 - See Appendix 9.13

Response:

"YAPPROVED 475288","AVS Match 9 Digit Zip and Address (X)","","28","20080828163249-080880-28"

Notice:

In this Figure 5.12 the ExpMonth and ExpYear is passed. This is only necessary if you are updating an expiration date to an existing card otherwise it is not necessary to pass this information.

5.14 VbV/SecureCard CAVV/XID/UCAF

You can pass in XID and CAVV for Visa (as XID and CAVV) they must be in Base64. If this is a Mastercard you can pass in UCAF also as Base64.

ePNAccount:	<input type="text" value="080880"/>
TransID:	<input type="text" value="28142107-080880-99998"/>
ExpMonth:	<input type="text" value="12"/>
ExpYear:	<input type="text" value="09"/>
Total:	<input type="text" value="33.45"/>
Address:	<input type="text" value="123 Fake St"/>
Zip:	<input type="text" value="12345"/>
E-Mail :	<input type="text" value="customer@email.com"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnuqfr"/>
HTML:	<input type="text" value="No"/>
Inv:	<input type="text" value="report"/>
Submit:	<input type="button" value="Submit"/>

6 Recurring Transactions

You can create recurring transactions with TDBE. There are two basic styles. The first style is easy.

6.1 RecurMethodID

In the Merchant Support Center, go to "ePNRecurConfig" and create Recurring Methods that correspond to how you want to recur. The "ePNRecurConfig" pages describe all the available details but it boils down to this, you can create a "RecurringMethod" that recurs on the 15th of the month for \$25.00. In your transaction request add the "RecurMethodID" to the request and the system will create a recurring transaction that processes every month on the 15th.

Figure 6.1 - See Appendix 9.14

Keep in mind the recurring transaction is not created if the initial transaction declines; it is only setup if the initial transaction is approved.

In the example Figure 6.1, it looks like a normal TDBE transaction. But at the bottom are 2 extra fields. RecurMethodID which is 1, I set this up to be a recurring transaction that should run monthly on the 15th. The Identifier value, when applied to recurs, becomes the "Your ID" column in the reports.

ePNAccount:	<input type="text" value="080880"/>
Inv:	<input type="text" value="report"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnujfr"/>
TranType:	<input type="text" value="Sale"/>
CardNo:	<input type="text" value="4111111111111111"/>
CVV2Type:	<input type="text" value="1"/>
CVV2:	<input type="text" value="999"/>
ExpMonth:	<input type="text" value="10"/>
ExpYear:	<input type="text" value="14"/>
Total:	<input type="text" value="14.00"/>
Company:	<input type="text" value="ePN"/>
FirstName:	<input type="text" value="John"/>
LastName:	<input type="text" value="Doe"/>
Address:	<input type="text" value="1415 North Loop West"/>
City:	<input type="text" value="Houston"/>
State:	<input type="text" value="TX"/>
Zip:	<input type="text" value="77008"/>
RecurMethodID:	<input type="text" value="1"/>
Identifier:	<input type="text" value="ForMyRecords"/>
Submit:	<input type="button" value="Submit"/>

Response:
" YAPPROVED 092020", "AVS Match 9 Digit Zip and Address (X)", "CVV2 Match (M)", "104", "20081014145816-080880-104", "RecurID=1"

Notice:
There is an extra parameter passed and this is the RecurID of the newly created recurring transaction.

You are not limited to this simple method.

6.2 Create on the Fly

If you would rather, you can control to an extreme detail the way the recurring transaction work. The following fields and values are available to you.

RecurMethodID	0 – a zero indicates that you are creating a recur on the fly.
RCRRecurAmount	This is the amount to charge every time this transaction is run.
RCRPeriod	Weekly, BiWeekly, Monthly, 2Months, 3Months, 6Months, 12Months
RCRRecurs	Number of recurring transactions to run, if you set it to zero it will run indefinitely.
RCRChargeWhen	OnDayOfCycle (all other options have been deprecated).
RCRStartOnDay	<p>This is the day of the first recur for this transaction. It is of the form: MM~DD~YYYY like 10~22~2009 Note that the delimiter is the "~" character.</p> <p>Once the cycle starts, that is the first recur happens, it will then recur based on the RCRPeriod and the day it first ran.</p>

In Figure 6.1 I specified the transaction to be monthly and it will start on the first of December. After the first transaction it will continue to run on the first of every month until the number of recurs are exhausted (8 in this case).

Figure 6.2 - See Appendix 9.15

ePNAccount:	<input type="text" value="080880"/>
Inv:	<input type="text" value="report"/>
RestrictKey:	<input type="text" value="yFqqXJh9Pqnuqfr"/>
TranType:	<input type="text" value="Sale"/>
CardNo:	<input type="text" value="4111111111111111"/>
CVV2Type:	<input type="text" value="1"/>
CVV2:	<input type="text" value="999"/>
ExpMonth:	<input type="text" value="10"/>
ExpYear:	<input type="text" value="14"/>
Total:	<input type="text" value="14.00"/>
Company:	<input type="text" value="ePN"/>
FirstName:	<input type="text" value="John"/>
LastName:	<input type="text" value="Doe"/>
Address:	<input type="text" value="1415 North Loop West"/>
City:	<input type="text" value="Houston"/>
State:	<input type="text" value="TX"/>
Zip:	<input type="text" value="77008"/>
RecurMethodID:	<input type="text" value="0"/>
Identifier:	<input type="text" value="ForMyRecords"/>
RCCRRecurAmount:	<input type="text" value="16.00"/>
RCCRRecur:	<input type="text" value="8"/>
RCCRPeriod:	<input type="text" value="Monthly"/>
RCCRChargeWhen:	<input type="text" value="OnDayOfCycle"/>
RCCRStartOnDay:	<input type="text" value="12~01~2009"/>
Submit:	<input type="button" value="Submit"/>

Response:

" YAPPROVED 021952", "AVS Match 9 Digit Zip and Address (X)", "CVV2 Match (M)", "105", "20081014155409-080880-105", "RecurID=2"

Notice:

There along with the extra parameters to manually set up the recur, the RecurMethodID is set to 0.

You can then locate these recurs in the ePNRecurConfig section of the Merchant Support Center:

All Transactions (2)

Click a column header to sort by that header.

Page 1 of 1, Records 1 - 2

<Prev Show All Next>

ID	Next Recur	Your ID	Customer	Company	Payment	CC Status	Amount	Processed	End Date	Status	Edit	Sale
1	11/15/2008	ForMyRecords	Doe, John	ePN	VI X1111	Current	\$11.00	0 of 10	08/2009	Suspended Till 11/15/2008	<input type="button" value="Edit"/>	<input type="button" value="Sale"/>
2	12/01/2008	ForMyRecords	Doe, John	ePN	VI X1111	Current	\$16.00	0 of 8	07/2009	Suspended Till 12/01/2008	<input type="button" value="Edit"/>	<input type="button" value="Sale"/>

Page 1 of 1

<Prev Show All Next>

Totals - All Transactions (2)

Status	Count	Total
Active	0	\$0.00
Cancelled	0	\$0.00
Completed	0	\$0.00
Declined	0	\$0.00
Declined Reinstate	0	\$0.00
Suspended	2	\$27.00
Total	2	\$27.00

6.3 Recur Postback URL

When the Recur System runs you can get feedback on each of your recurring transactions. Set the Recur Postback URL and each transaction as it runs will send you a post with the relevant information about the transaction.

Recur Postback URL

Enter a URL that will be posted to whenever a recurring transaction is processed. **This URL cannot have a question mark (?) in it. We post to this URL and the question mark causes the postback to fail.** If you do not wish to have postbacks, then set this to blank

When the transaction runs here is the postback. The postback URL that is specified for this test is a script that records all the CGI parameters that are sent to it to a log-file.

Here is a screenshot of the log entry.

FIELD (ePNAccount)	VALUE (080880)
FIELD (PostbackType)	VALUE (recur)
FIELD (PostbackTime)	VALUE (20081014163553)
FIELD (PostbackAttempt)	VALUE (0)
FIELD (RecurOperation)	VALUE (ExecuteRecur)
FIELD (IsApproved)	VALUE (Y)
FIELD (Response)	VALUE (APPROVED 398884)
FIELD (RecurID)	VALUE (1)
FIELD (Identifier)	VALUE (My first test.)
FIELD (RecurringMethod)	VALUE (0)
FIELD (Invoice)	VALUE (91)
FIELD (TransID)	VALUE (20081014163544-080880-91)
FIELD (FirstName)	VALUE (Julian)
FIELD (LastName)	VALUE (Brown)
FIELD (Address)	VALUE (1415 North Loop West)
FIELD (City)	VALUE (Houston)
FIELD (State)	VALUE (TX)
FIELD (Zip)	VALUE (77008)
FIELD (Phone)	VALUE (713 880 0327)
FIELD (Email)	VALUE (jbrown@jlbprof.com)
FIELD (Amount)	VALUE (10.00)
FIELD (Company)	VALUE (ePN)
FIELD (RecurPeriod)	VALUE (Monthly)
FIELD (RecurDay)	VALUE (14)

First is the ePNAccount number. PostbackType is set to "recur" which tells you this postback comes from the recurring system. PostbackTime is a timestamp telling you when eProcessingNetwork first tried to notify you of the transaction. PostbackAttempt tells you how many times eProcessingNetwork attempted to contact this URL. If it succeeds immediately it will have a value of 0. This is increased everytime eProcessingNetwork attempts the postback. eProcessingNetwork will try multiple times for up to 48 hours to execute this postback. If after 48 hours we were unable to post to your URL, we will stop trying. Next is the specific data for this postback. RecurOperation indicates what from the recur system triggered this postback. In this case "ExecuteRecur" tells you that this is a normal recur transaction. IsApproved is set to "Y", this means the transaction succeeded. If IsApproved is set to "N" then this transaction was declined. Next you get the

response, the last 6 digits are always the approval code. If this is a decline, then the decline message would appear here. Next is the RecurID, telling you which transaction is recurring, then the identifier and the RecurringMethod that governs this recurring transaction. Next is the ePN Invoice number and Transaction ID. After those values are recorded other information associated with the recurring transaction.

6.4 Cancelling a Recur

If you know the RecurID of an active recurring transaction you can cancel it. Send to a different URL <https://www.eprocessingnetwork.com/cgi-bin/tdbe/Recur.pl>

Figure 6.3 - See Appendix 9.16

ePNAccount:	<input type="text" value="080880"/>	Response: "Y ,Successful"
RestrictKey:	<input type="text" value="yFqqXjh9qnugfr"/>	
TranType:	<input type="text" value="Cancel"/>	
RecurID:	<input type="text" value="25"/>	
Submit:	<input type="button" value="Submit"/>	

And this is the *postback* you would get.

NUM (18)

FIELD (ePNAccount)	VALUE (080880)
FIELD (PostbackType)	VALUE (recur)
FIELD (PostbackTime)	VALUE (20081014165048)
FIELD (PostbackAttempt)	VALUE (0)
FIELD (RecurOperation)	VALUE (DeleteRecur)
FIELD (RecurID)	VALUE (1)
FIELD (Identifier)	VALUE (My first test.)
FIELD (RecurringMethod)	VALUE (0)
FIELD (FirstName)	VALUE (Julian)
FIELD (LastName)	VALUE (Brown)
FIELD (Address)	VALUE (1415 North Loop West)
FIELD (City)	VALUE (Houston)
FIELD (State)	VALUE (TX)
FIELD (Zip)	VALUE (77008)
FIELD (Phone)	VALUE (713 880 0327)
FIELD (Email)	VALUE (jbrown@jlbprof.com)
FIELD (RecurPeriod)	VALUE (Monthly)
FIELD (RecurDay)	VALUE (14)

7 Gift Cards

7.1 Gift Card PSPA Value

Gift Card transactions may require a PSPA value depending on how the merchant has their programs set up. When they are initially setup, they should receive a PSPA print out that describes which program requires which PSPA value.

If your merchant or transaction needs a PSPA:

GiftPSPA	An optional PSPA value.
-----------------	-------------------------

7.2 Gift Card Issuance

Swiped	1 these must be swiped cards.
CardNo	The gift card track 2.
Total	Amount to put on the card, if this is a pre-denominated card it must match the denomination.
TranType	GiftCardIssuance
GiftPSPA	An optional PSPA value.

7.3 Gift Card Batch Issuance

You can issue a batch of cards if you so choose. Keep in mind that the Total is applied to each card, so you pay a multiple of that amount.

An additional field needs to be added and that is a 2nd track2 value, this will be the ending point on the Issuance it will issue all the cards between the track2 in CardNo and the 2nd track2 which is sent in the GiftBatchEnd field.

GiftBatchEnd	Track2 of the 2 nd card.
---------------------	-------------------------------------

7.4 Gift Card Redemption

Redemption is a sale against the cards value, if there is enough money on the card. If there is not enough money on the card you will get a decline.

Swiped	1 for swiped cards, 0 for keyed.
CardNo	The track2 if it is swiped, or the card num if it is keyed.
ExpMonth	If this is keyed, and an expiration is listed. If this is keyed and no expiration is listed set this to "00"
ExpYear	If this is keyed, and an expiration is listed. If this is keyed and no expiration is listed set this to "00"
CVV2Type	Set this to 1 if the card has a CVV2 and this is keyed.
CVV2	Add the CVV2 if you have set CVV2Type to 1.
Total	Amount
TranType	GiftRedemption
GiftPSPA	An optional PSPA value.

7.5 Gift Card Partial Redemption

A partial redemption is a sale against the cards value. If there is not enough money on the card, it will approve the transaction and return to you the amount that was taken from the card. You will have to seek other forms of payment for the remainder of your sale.

Swiped	1 for swiped cards, 0 for keyed.
CardNo	The track2 if it is swiped, or the card num if it is keyed.
ExpMonth	If this is keyed, and an expiration is listed. If this is keyed and no expiration is listed set this to "00"
ExpYear	If this is keyed, and an expiration is listed. If this is keyed and no expiration is listed set this to "00"
CVV2Type	Set this to 1 if the card has a CVV2 and this is keyed.
CVV2	Add the CVV2 if you have set CVV2Type to 1.
Total	Amount
TranType	GiftPartialRedemption
GiftPSPA	An optional PSPA value.

7.6 Gift Card Balance Inquiry

Swiped	1 for swiped cards, 0 for keyed.
CardNo	The track2 if it is swiped or the card num if it is keyed.
ExpMonth	If this is keyed, and an expiration is listed. If this is keyed and no expiration is listed set this to "00"
ExpYear	If this is keyed, and an expiration is listed. If this is keyed and no expiration is listed set this to "00"
CVV2Type	Set this to 1 if the card has a CVV2 and this is keyed.
CVV2	Add the CVV2 if you have set CVV2Type to 1.
Total	Set this to 1.00
TranType	GiftBalanceInquiry
GiftPSPA	An optional PSPA value.

7.7 Gift Card Add Value

This will add the amount to the card.

Swiped	1 for swiped cards, 0 for keyed.
CardNo	The track2 if it is swiped, or the card num if it is keyed.
ExpMonth	If this is keyed, and an expiration is listed. If this is keyed and no expiration is listed set this to "00"
ExpYear	If this is keyed, and an expiration is listed. If this is keyed and no expiration is listed set this to "00"
CVV2Type	Set this to 1 if the card has a CVV2 and this is keyed.
CVV2	Add the CVV2 if you have set CVV2Type to 1.
Total	Set this to 1.00
TranType	GiftBalanceInquiry
GiftPSPA	An optional PSPA value.

7.8 Gift Card Void

TransID	Transaction ID of the transaction we are voiding.
Total	Set this to 1.00
TranType	GiftBalanceInquiry
GiftPSPA	An optional PSPA value.

7.9 Gift Card Transfer

Swiped	1 these must be swiped cards.
CardNo	The gift card track 2. This is the card that you are transferring to.
Total	Set this to 1.00
TranType	GiftTransfer
GiftBatchEnd	Track2 of the card you are transferring from. See note on Gift Card Batch Issuance.
GiftPSPA	An optional PSPA value.

8 Checks

We have multiple different check styles that you may need to use which style you use depends on the type of check processing option has been set on your account.

8.1 NCN Style Checks

If you have NCN Style checks which include but are not limited to Global E Telecom™. or EZCheck™.. you need to use these parameters and values.

Fields needed for an NCN Style Check

PaymentType	Check
NCNMicr	This is the MICR that has been read from the Check Reader. Mutually exclusive with NCNRoutingNum, NCNCheckNum and NCNAccountNum.
NCNRoutingNum	Routing number of the check, mutually exclusive of NCNMicr.
NCNCheckNum	Check number of the check, mutually exclusive of NCNMicr. This may be optional depending on how you have setup your NCN account.
NCNAccountNum	Checking Account number of the check, mutually exclusive of NCNMicr.
NCNAccountType	C for CompanyCheck, P for Personal
NCNDLState	2 character state abbreviation for the drivers license. If you are not providing a drivers license set this to XX.
NCNDLNum	The first character of this must be either a D or a G, where D means a manually entered drivers license and G is track3 from a magstripe reader of the drivers license.
NCNTran	Normally do not pass this, or pass it blank. Only use this if you are processing a VOID or OVERRIDE transaction.
NCNOverride	Optional parameter, only pass this if you need it. Should be either "convert" or "verify" depending on how you want the check processed. This overrides the normal determination logic and uses what you have passed.
NoDuplicates	Set this to 1 if you do not want our internal processor to decline the transaction because the check has already been issued. Only set this if you know what you are doing. Duplicate checking is not performed if there is no NCNCheckNum.

8.2 ORCC Style Checks

ORCC Style checks are similar to NCN Style checks. This is how the process works, when the transaction comes in, it is first “verified” on NCN and then using the ORCC system the ACH side is then processed. Therefore a decline can come from 2 different sources either NCN or ORCC. Here are the parameters available for use with ORCC.

PaymentType	Check
NCNMicr	This is the MICR that has been read from the Check Reader. Mutually exclusive with NCNRoutingNum, NCNCheckNum and NCNAccountNum.
NCNRoutingNum	Routing number of the check, mutually exclusive of NCNMicr.
NCNCheckNum	Check number of the check, mutually exclusive of NCNMicr. This may be optional depending on how you have setup your NCN account.
NCNAccountNum	Checking Account number of the check, mutually exclusive of NCNMicr.
NCNAccountType	This is different then under the NCN Style. This field needs to be one of the following: BUSINESS CHECKING BUSINESS SAVINGS PERSONAL CHECKING PERSONAL SAVINGS
NCNDLState	2 character state abbreviation for the drivers license. If you are not providing a drivers license set this to XX.
NCNDLNum	The first character of this must be either a D or a G, where D means a manually entered drivers license and G is track3 from a magstripe reader of the drivers license.
NoDuplicates	Set this to 1 if you do not want our internal processor to decline the transaction because the check has already been issued. Only set this if you know what you are doing. Duplicate checking is not performed if there is no NCNCheckNum.
AccountHolderName	Name of the checking account owner.
AccountAddress1	Address of Account Holder
AccountAddress2	Address of Account Holder
AccountCity	City of Account Holder
AccountState	State of Account Holder
AccountZip	Zip code of Account Holder
AccountCountry	Must be US

8.3 Crosscheck Style Checks

Crosscheck Style Checks are similar to NCN Style but have their own minor differences.

PaymentType	Check
NCNMicr	This is the MICR that has been read from the Check Reader. Mutually exclusive with NCNRoutingNum, NCNCheckNum and NCNAccountNum.
NCNRoutingNum	Routing number of the check, mutually exclusive of NCNMicr.
PaymentType	Check
NCNCheckNum	Check number of the check, mutually exclusive of NCNMicr. This may be optional depending on how you have setup your NCN account.
NCNAccountNum	Checking Account number of the check, mutually exclusive of NCNMicr.
NCNAccountType	C for CompanyCheck, P for Personal
NCNDLState	2 character state abbreviation for the drivers license. If you are not providing a drivers license set this to XX.
NCNDLNum	The first character of this must be either a D or a G, where D means a manually entered drivers license and G is track3 from a magstripe reader of the drivers license.

Notice:

If the merchant is with Crosscheck they require you to upload the check image, then contact our support for documentation on how to upload to us (so that we can upload to Crosscheck) the check image.

8.4 CCFS Style Checks

Notice: *

If the merchant is using CCFS you will need to switch the testing account to **ePNAccount 060321 Restrict Key nTVFDctdpdFFzGs Routing 021000021 CheckAcct 21000021** information.

PaymentType	Check
Routing	Routing Number from the Check
CheckAcct	Checking Account

Check	Check Number, can be "Recurring" if you are performing a recurring transaction.
BankName	Name of the bank that the check is written on.
Company	Company Name if this is a company check.
AccountType	P for Personal or C for Company Check
AccountClass	Checking or Savings
FirstName	First name of check writer
LastName	Last name of check writer
Address	The street address on the check.
City	City
State	2 Character State Code
Zip	The zip code on the check.
Phone	Phone number on the check.

9 Appendix

9.1 Basic Example

```
<HTML><BODY>
<form action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
  method=post>
<table>
  <TR>  <TD>ePNAccount:</TD>
        <TD><input type=text name="ePNAccount" value="080880"></TD> </TR>

  <TR>  <TD>CardNo:</TD>
        <TD><input type=text name="CardNo" value="4111111111111111"></TD>
  </TR>
  <TR>  <TD>ExpMonth:</TD>
        <TD><input type=text name="ExpMonth" value="12"></TD>
  </TR>
  <TR>  <TD>ExpYear:</TD>
        <TD><input type=text name="ExpYear" value="09"></TD>
  </TR>
  <TR>  <TD>Total:</TD>
        <TD><input type=text name="Total" value="12.34"></TD>
  </TR>
  <TR>  <TD>Address:</TD>
        <TD><input type=text name="Address" value="123 Fake St."></TD>
  </TR>
  <TR>  <TD>Zip:</TD>
        <TD><input type=text name="Zip" value="12345"></TD>
  </TR>
  <TR>  <TD>EMail :</TD>
        <TD><input type=text name="EMail" value="email@address.com"></TD>
  </TR>
  <TR>  <TD>CVV2Type:</TD>
        <TD><input type=text name="CVV2Type" value="1"></TD>
  </TR>
  <TR>  <TD>CVV2:</TD>
        <TD><input type=text name="CVV2Type" value="123"></TD>
  </TR>
  <TR>  <TD>RestrictKey:</TD>
        <TD><input type=text name="RestrictKey" value="yFqqXJh9Pqnugfr"></TD>
  </TR>

  <TR>  <TD>Submit:</TD>
        <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</table> </form> </BODY> </HTML>
```

9.2 Basic Example Without HTML Response

```
<HTML> <BODY>
<form
  action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
  method=post>
<table><TR>
  <TD>ePNAccount:</TD>
  <TD><input type=text name="ePNAccount" value="080880"></TD>
</TR>
<TR>
  <TD>CardNo:</TD>
  <TD><input type=text name="CardNo" value="4111111111111111"></TD>
</TR>
<TR>
  <TD>ExpMonth:</TD>
  <TD><input type=text name="ExpMonth" value="12"></TD>
</TR>
<TR>
  <TD>ExpYear:</TD>
  <TD><input type=text name="ExpYear" value="09"></TD>
</TR>
<TR>
  <TD>Total:</TD>
  <TD><input type=text name="Total" value="12.34"></TD>
</TR>
<TR>
  <TD>Address:</TD>
  <TD><input type=text name="Address" value="123 Fake St."></TD>
</TR>
<TR>
  <TD>Zip:</TD>
  <TD><input type=text name="Zip" value="12345"></TD>
</TR>
<TR>
  <TD>EMail :</TD>
  <TD><input type=text name="EMail" value="customer@email.com"></TD>
</TR>
<TR>
  <TD>CVV2Type:</TD>
  <TD><input type=text name="CVV2Type" value="1"></TD>
</TR>
<TR>
  <TD>CVV2:</TD>
  <TD><input type=text name="CVV2Type" value="123"></TD>
</TR>
<TR>
  <TD>RestrictKey:</TD>
  <TD><input type=text name="RestrictKey" value="yFqqXJh9Pqnugfr"></TD>
</TR>
<TR>
  <TD>HTML:</TD>
  <TD><input type=text name="HTML" value="No"></TD>
</TR>
<TR>
  <TD>Submit:</TD>
  <TD><input type=submit name="submit" value="Submit"></TD>
</TR>
</table></form></BODY></HTML>
```

9.3 Example with Invoice number

```
<HTML> <BODY>
<form
  action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
  method=post>
<table> <TR>
  <TD>ePNAccount:</TD>
  <TD><input type=text name="ePNAccount" value="080880"></TD> </TR>

  <TR>
  <TD>CardNo:</TD>
  <TD><input type=text name="CardNo" value="4111111111111111"></TD>
  </TR>

  <TR>
  <TD>ExpMonth:</TD>
  <TD><input type=text name="ExpMonth" value="12"></TD> </TR>

  <TR>
  <TD>ExpYear:</TD>
  <TD><input type=text name="ExpYear" value="09"></TD> </TR>

  <TR>
  <TD>Total:</TD>
  <TD><input type=text name="Total" value="12.34"></TD> </TR>

  <TR>
  <TD>Address:</TD>
  <TD><input type=text name="Address" value="123 Fake St."></TD> </TR>

  <TR>
  <TD>Zip:</TD>
  <TD><input type=text name="Zip" value="12345"></TD> </TR>

  <TR>
  <TD>EMail :</TD>
  <TD><input type=text name="EMail" value="customer@email.com"></TD>
  </TR>

  <TR>
  <TD>CVV2Type:</TD>
  <TD><input type=text name="CVV2Type" value="1"></TD> </TR>

  <TR>
  <TD>CVV2:</TD>
  <TD><input type=text name="CVV2Type" value="123"></TD></TR>

  <TR>
  <TD>RestrictKey:</TD>
  <TD><input type=text name="RestrictKey" value="yFqqXJh9Pqnuqfr"></TD>
  </TR>

  <TR>
  <TD>HTML:</TD>
  <TD><input type=text name="HTML" value="No"></TD></TR>

  <TR>
  <TD>Inv:</TD>
  <TD><input type=text name="Inv" value="report"></TD> </TR>

  <TR>
  <TD>Submit:</TD>
  <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</table> </form> </BODY> </HTML>
```

9.4 Confirmation Script

```
<HTML>
<BODY>
<FORM action="https://www.eprocessingnetwork.com/cgi-
bin/tdbe/confirmation.pl"
      method=post>
<TABLE>
  <TR>
    <TD>ePNAccount:</TD>
    <TD><input type=text name="ePNAccount" value="080880"></TD>
  </TR>

  <TR>
    <TD>Inv:</TD>
    <TD><input type=text name="Inv" value="99998"></TD>
  </TR>

  <TR>
    <TD>NewFormat:</TD>
    <TD><input type=text name="NewFormat" value="1"></TD>
  </TR>

  <TR>
    <TD>RestrictKey:</TD>
    <TD><input type=text name="RestrictKey"
value="yFqqXJh9Pqnugfr"></TD>
  </TR>

  <TR>
    <TD>Submit:</TD>
    <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</TABLE>
</FORM>
</BODY>
</HTML>
```

9.5 Authorization Only

```
<HTML> <BODY>
<FORM action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
method=post>
<TABLE>  <TR>
          <TD>ePNAccount:</TD>
          <TD><input type=text name="ePNAccount" value="080880"></TD> </TR>  <TR>
          <TD>CardNo:</TD>
          <TD><input type=text name="CardNo" value="4111111111111111"></TD> </TR>
<TR>
          <TD>ExpMonth:</TD>
          <TD><input type=text name="ExpMonth" value="12"></TD> </TR>
<TR>
          <TD>ExpYear:</TD>
          <TD><input type=text name="ExpYear" value="09"></TD> </TR>
<TR>
          <TD>Total:</TD>
          <TD><input type=text name="Total" value="44.50"></TD> </TR>
<TR>
          <TD>Address:</TD>
          <TD><input type=text name="Address" value="123 Fake St."></TD>
        </TR>
<TR>
          <TD>Zip:</TD>
          <TD><input type=text name="Zip" value="12345"></TD>  </TR>
<TR>
          <TD>EMail :</TD>
          <TD><input type=text name="EMail" value="customer@email.com"></TD>
</TR>
<TR>
          <TD>CVV2Type:</TD>
          <TD><input type=text name="CVV2Type" value="1"></TD>  </TR>
<TR>
          <TD>CVV2:</TD>
          <TD><input type=text name="CVV2Type" value="123"></TD> </TR>
<TR>
          <TD>RestrictKey:</TD>
          <TD><input type=text name="RestrictKey" value="yFqqXJh9Pqnuqfr"></TD>
</TR>
<TR>
          <TD>HTML:</TD>
          <TD><input type=text name="HTML" value="No"></TD> </TR>
<TR>
          <TD>Inv:</TD>
          <TD><input type=text name="Inv" value="report"></TD>  </TR>
<TR>
          <TD>TranType:</TD>
          <TD><input type=text name="TranType" value="AuthOnly"></TD>
</TR>
<TR>
          <TD>Submit:</TD>
          <TD><input type=submit name="submit" value="Submit"></TD>
</TR>
</TABLE> </BODY> </HTML>
```

9.6 Auth Delete

```
<HTML>
<BODY>
<FORM action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
method=post>
<TABLE>
  <TR>
    <TD>ePNAccount:</TD>
    <TD><input type=text name="ePNAccount" value="080880"></TD>

  </TR>

  <TR>
    <TD>TransID:</TD>
    <TD><input type=text name="TransID" value="20080828155713-080880-
25"></TD>
  </TR>

  <TR>
    <TD>RestrictKey:</TD>
    <TD><input type=text name="RestrictKey"
value="yFqqXJh9Pqnuqfr"></TD>
  </TR>

  <TR>
    <TD>HTML:</TD>
    <TD><input type=text name="HTML" value="No"></TD>
  </TR>

  <TR>
    <TD>Inv:</TD>
    <TD><input type=text name="Inv" value="report"></TD>
  </TR>

  <TR>
    <TD>TranType:</TD>
    <TD><input type=text name="TranType" value="AuthDel"></TD>
  </TR>

  <TR>
    <TD>Total:</TD>
    <TD><input type=text name="Total" value="1.00"></TD>
  </TR>

  <TR>
    <TD>Submit:</TD>
    <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</TABLE>
</FORM>
</BODY>
</HTML>
```

9.7 Auth2Sale

```
<HTML>
<BODY>
<FORM action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
method=post>
<TABLE>
  <TR>
    <TD>ePNAccount:</TD>
    <TD><input type=text name="ePNAccount" value="080880"></TD>

  </TR>

  <TR>
    <TD>TransID:</TD>
    <TD><input type=text name="TransID" value="20040831145904-080880-
6044"></TD>
  </TR>

  <TR>
    <TD>RestrictKey:</TD>
    <TD><input type=text name="RestrictKey"
value="yFqqXJh9Pqnuqfr"></TD>
  </TR>

  <TR>
    <TD>HTML:</TD>
    <TD><input type=text name="HTML" value="No"></TD>
  </TR>

  <TR>
    <TD>Inv:</TD>
    <TD><input type=text name="Inv" value="report"></TD>
  </TR>

  <TR>
    <TD>TranType:</TD>
    <TD><input type=text name="TranType" value="Auth2Sale"></TD>
  </TR>

  <TR>
    <TD>Total:</TD>
    <TD><input type=text name="Total" value="1.00"></TD>
  </TR>

  <TR>
    <TD>Submit:</TD>
    <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</TABLE> </FORM> </BODY> </HTML>
```

9.8 Void a Transaction

```
<HTML>
<BODY>
<FORM action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
method=post>
<TABLE>
  <TR>
    <TD>ePNAccount:</TD>
    <TD><input type=text name="ePNAccount" value="080880"></TD>

  </TR>

  <TR>
    <TD>TransID:</TD>
    <TD><input type=text name="TransID" value="20040831145904-080880-
6044"></TD>
  </TR>

  <TR>
    <TD>RestrictKey:</TD>
    <TD><input type=text name="RestrictKey"
value="yFqqXJh9Pqnuqfr"></TD>
  </TR>

  <TR>
    <TD>HTML:</TD>
    <TD><input type=text name="HTML" value="No"></TD>
  </TR>

  <TR>
    <TD>Inv:</TD>
    <TD><input type=text name="Inv" value="report"></TD>
  </TR>

  <TR>
    <TD>TranType:</TD>
    <TD><input type=text name="TranType" value="Void"></TD>
  </TR>

  <TR>
    <TD>Total:</TD>
    <TD><input type=text name="Total" value="1.00"></TD>
  </TR>

  <TR>
    <TD>Submit:</TD>
    <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</TABLE> </FORM> </BODY> </HTML>
```

9.9 Close Batch

```
<HTML>
<BODY>
<FORM action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
method=post>
<TABLE>
  <TR>
    <TD>ePNAccount:</TD>
    <TD><input type=text name="ePNAccount" value="080880"></TD>

  </TR>

  <TR>
    <TD>RestrictKey:</TD>
    <TD><input type=text name="RestrictKey"
value="yFqqXJh9Pqnugfr"></TD>
  </TR>

  <TR>
    <TD>HTML:</TD>
    <TD><input type=text name="HTML" value="No"></TD>
  </TR>

  <TR>
    <TD>Inv:</TD>
    <TD><input type=text name="Inv" value="report"></TD>
  </TR>

  <TR>
    <TD>TranType:</TD>
    <TD><input type=text name="TranType" value="CloseBatch"></TD>
  </TR>

  <TR>
    <TD>Total:</TD>
    <TD><input type=text name="Total" value="1.00"></TD>
  </TR>

  <TR>
    <TD>Submit:</TD>
    <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>

</TABLE>
</FORM>
</BODY>
</HTML>
```

9.10 Credit/Return

```
<HTML> <BODY>
<FORM action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
method=post>
<TABLE> <TR>
  <TD>ePNAccount:</TD>
  <TD><input type=text name="ePNAccount" value="080880"></TD>
</TR>
<TR>
  <TD>CardNo:</TD>
  <TD><input type=text name="CardNo" value="4111111111111111"></TD>
</TR>
<TR>
  <TD>ExpMonth:</TD>
  <TD><input type=text name="ExpMonth" value="12"></TD>
</TR>
<TR>
  <TD>ExpYear:</TD>
  <TD><input type=text name="ExpYear" value="09"></TD>
</TR>
<TR>
  <TD>Total:</TD>
  <TD><input type=text name="Total" value="5.00"></TD>
</TR>
<TR>
  <TD>EMail :</TD>
  <TD><input type=text name="EMail" value="customer@email.com"></TD>
</TR>
<TR>
  <TD>RestrictKey:</TD>
  <TD><input type=text name="RestrictKey" value="yFqqXJh9Pqnuqfr"></TD>
</TR>
<TR>
  <TD>HTML:</TD>
  <TD><input type=text name="HTML" value="No"></TD>
</TR>
<TR>
  <TD>Inv:</TD>
  <TD><input type=text name="Inv" value="report"></TD>
</TR>
<TR>
  <TD>TranType:</TD>
  <TD><input type=text name="TranType" value="Return"></TD>
</TR>
<TR>
  <TD>Submit:</TD>
  <TD><input type=submit name="submit" value="Submit"></TD>
</TR>
</TABLE> </FORM> </BODY> </HTML>
```

9.11 Store

```
<HTML><BODY>
<FORM action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
method=post>
<TABLE>
  <TR>
    <TD>ePNAccount:</TD>
    <TD><input type=text name="ePNAccount" value="080880"></TD>
  </TR>
  <TR>
    <TD>CardNo:</TD>
    <TD><input type=text name="CardNo" value="4111111111111111"></TD>
  </TR>
  <TR>
    <TD>ExpMonth:</TD>
    <TD><input type=text name="ExpMonth" value="12"></TD>
  </TR>
  <TR>
    <TD>ExpYear:</TD>
    <TD><input type=text name="ExpYear" value="09"></TD>
  </TR>
  <TR>
    <TD>Total:</TD>
    <TD><input type=text name="Total" value="44.50"></TD>
  </TR>
  <TR>
    <TD>Address:</TD>
    <TD><input type=text name="Address" value="123 Fake St."></TD>
  </TR>
  <TR>
    <TD>Zip:</TD>
    <TD><input type=text name="Zip" value="12345"></TD>
  </TR>
  <TR>
    <TD>EMail :</TD>
    <TD><input type=text name="EMail" value="customer@email.com"></TD>
  </TR>
  <TR>
    <TD>RestrictKey:</TD>
    <TD><input type=text name="RestrictKey" value="yFqqXJh9Pqnuqfr"></TD>
  </TR>
  <TR>
    <TD>HTML:</TD>
    <TD><input type=text name="HTML" value="No"></TD>
  </TR>
  <TR>
    <TD>Inv:</TD>
    <TD><input type=text name="Inv" value="report"></TD>
  </TR>
  <TR>
    <TD>TranType:</TD>
    <TD><input type=text name="TranType" value="Store"></TD>
  </TR>
  <TR>
    <TD>Submit:</TD>
    <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</TABLE></FORM></BODY></HTML>
```

9.12 Voice Auth

```
<HTML>
<BODY>
<FORM action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
method=post>
<TABLE>
  <TR>
    <TD>ePNAccount:</TD>
    <TD><input type=text name="ePNAccount" value="080880"></TD>
  </TR>
  <TR>
    <TD>CardNo:</TD>
    <TD><input type=text name="CardNo" value="4111111111111111"></TD>
  </TR>
  <TR>
    <TD>ExpMonth:</TD>
    <TD><input type=text name="ExpMonth" value="12"></TD>
  </TR>
  <TR>
    <TD>ExpYear:</TD>
    <TD><input type=text name="ExpYear" value="09"></TD>
  </TR>
  <TR>
    <TD>Total:</TD>
    <TD><input type=text name="Total" value="55.00"></TD>
  </TR>
  <TR>
    <TD>EMail :</TD>
    <TD><input type=text name="EMail" value="customer@email.com"></TD>
  </TR>
  <TR>
    <TD>RestrictKey:</TD>
    <TD><input type=text name="RestrictKey"
value="yFqqXJh9Pqnugfr"></TD>
  </TR>
  <TR>
    <TD>HTML:</TD>
    <TD><input type=text name="HTML" value="No"></TD>
  </TR>
  <TR>
    <TD>Inv:</TD>
    <TD><input type=text name="Inv" value="report"></TD>
  </TR>
  <TR>
    <TD>TranType:</TD>
    <TD><input type=text name="TranType" value="Voice"></TD>
  </TR>
  <TR>
    <TD>AuthCode:</TD>
    <TD><input type=text name="AuthCode" value="123456"></TD>
  </TR>
  <TR>
    <TD>Submit:</TD>
    <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</TABLE> </FORM> </BODY> </HTML>
```

9.13 Sale From TransID

```
<HTML><BODY>
<form
  action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl"
  method=post>
<table>
  <TR>
    <TD>ePNAccount:</TD>
    <TD><input type=text name="ePNAccount" value="080880"></TD>
  </TR>

  <TR>
    <TD>TransID:</TD>
    <TD><input type=text name="TransID" value=""></TD></TR>

  <TR>
    <TD>ExpMonth:</TD>
    <TD><input type=text name="ExpMonth" value="12"></TD></TR>

  <TR>
    <TD>ExpYear:</TD>
    <TD><input type=text name="ExpYear" value="09"></TD></TR>

  <TR>
    <TD>Total:</TD>
    <TD><input type=text name="Total" value="33.45"></TD></TR>

  <TR>
    <TD>Address:</TD>
    <TD><input type=text name="Address" value="123 Fake St."></TD>
  </TR>

  <TR>
    <TD>Zip:</TD>
    <TD><input type=text name="Zip" value="12345"></TD></TR>

  <TR>
    <TD>EMail :</TD>
    <TD><input type=text name="EMail" value="customer@email.com"></TD>
  </TR>

  <TR>
    <TD>CVV2Type:</TD>
    <TD><input type=text name="CVV2Type" value="1"></TD></TR>

  <TR>
    <TD>CVV2:</TD>
    <TD><input type=text name="CVV2Type" value="123"></TD>
  </TR>

  <TR>
    <TD>RestrictKey:</TD>
    <TD><input type=text name="RestrictKey" value="yFqqXJh9Pqnugfr"></TD>
  </TR>

  <TR>
    <TD>HTML:</TD>
    <TD><input type=text name="HTML" value="No"></TD></TR>

  <TR>
    <TD>Inv:</TD>
    <TD><input type=text name="Inv" value="report"></TD></TR>

  <TR>
    <TD>Submit:</TD>
    <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</table></form></BODY></HTML>
```

9.14 RecurMethodID

```
<HTML> <BODY>
<FORM name="test_recur" method="POST"
  action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl">
<TABLE>
  <TR>
    <TD>ePNAccount:</TD>
    <TD><input type="text" name="ePNAccount" value="080880"></TD>
  </TR>
  <TR>
    <TD>Inv:</TD>
    <TD><input type="text" name="Inv" value="report"></TD></TR>
  <TR>
    <TD>RestrictKey:</TD>
    <TD><input type="text" name="RestrictKey"
value="wazCv6tcQlvHwee"></TD></TR>
  <TR>
    <TD>TranType:</TD>
    <TD><input type="text" name="TranType" value="Sale"></TD></TR>
  <TR>
    <TD>CardNo:</TD>
    <TD><input type="text" name="CardNo" value="4111111111111111"></TD>
  </TR>
  <TR>
    <TD>CVV2Type:</TD>
    <TD><input type="text" name="CVV2Type" value="1"></TD></TR>
  <TR>
    <TD>CVV2:</TD>
    <TD><input type="text" name="CVV2" value="999"></TD></TR>
  <TR>
    <TD>ExpMonth:</TD>
    <TD><input type="text" name="ExpMonth" value="10"></TD></TR>
  <TR>
    <TD>ExpYear:</TD>
    <TD><input type="text" name="ExpYear" value="14"></TD></TR>
  <TR>
    <TD>Total:</TD>
    <TD><input type="text" name="Total" value="14.00"></TD></TR>
  <TR>
    <TD>Company:</TD>
    <TD><input type="text" name="Company" value="ePN"></TD></TR>
  <TR>
    <TD>FirstName:</TD>
    <TD><input type="text" name="FirstName" value="John"></TD></TR>
  <TR>
    <TD>LastName:</TD>
    <TD><input type="text" name="LastName" value="Doe"></TD></TR>
  <TR>
    <TD>Address:</TD>
    <TD><input type="text" name="Address" value="1415 North Loop West"></TD>
  </TR>
  <TR>
    <TD>City:</TD>
    <TD><input type="text" name="City" value="Houston"></TD></TR>
  <TR>
    <TD>State:</TD>
    <TD><input type="text" name="State" value="TX"></TD></TR>
  <TR>
    <TD>Zip:</TD>
    <TD><input type="text" name="Zip" value="77008"></TD></TR>
  <TR>
    <TD>RecurMethodID:</TD>
    <TD><input type="text" name="RecurMethodID" value="1"></TD></TR>
  <TR>
    <TD>Identifier:</TD>
    <TD><input type="text" name="Identifier" value="ForMyRecords"></TD>
  </TR>
  <TR>
    <TD>Submit:</TD>
    <TD><input type="submit" name="submit" value="Submit"></TD> </TR>
</TABLE></FORM></BODY></HTML>
```

9.15 OnTheFly

```
<HTML><BODY><FORM name="test_recur" method="POST"
  action="https://www.eprocessingnetwork.com/cgi-bin/tdbe/transact.pl">
<TABLE><TR>
  <TD>ePNAccount:</TD>
  <TD><input type="text" name="ePNAccount" value="080880"></TD></TR>
<TR>
  <TD>Inv:</TD>
  <TD><input type="text" name="Inv" value="report"></TD></TR>
<TR>
  <TD>RestrictKey:</TD>
  <TD><input type="text" name="RestrictKey"
value="wazCv6tcQ1vHwee"></TD></TR>
<TR>
  <TD>TranType:</TD>
  <TD><input type="text" name="TranType" value="Sale"></TD></TR>
<TR>
  <TD>CardNo:</TD>
  <TD><input type="text" name="CardNo" value="4111111111111111"></TD> </TR>
<TR>
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  <TD><input type="text" name="CVV2Type" value="1"></TD></TR>
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  <TD><input type="text" name="CVV2" value="999"></TD></TR>
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  <TD><input type="text" name="ExpMonth" value="10"></TD></TR>
<TR>
  <TD>ExpYear:</TD>
  <TD><input type="text" name="ExpYear" value="14"></TD></TR>
<TR>
  <TD>Total:</TD>
  <TD><input type="text" name="Total" value="14.00"></TD></TR>
<TR>
  <TD>Company:</TD>
  <TD><input type="text" name="Company" value="ePN"></TD></TR>
<TR>
  <TD>FirstName:</TD>
  <TD><input type="text" name="FirstName" value="John"></TD></TR>
<TR>
  <TD>LastName:</TD>
  <TD><input type="text" name="LastName" value="Doe"></TD></TR>
<TR>
  <TD>Address:</TD>
  <TD><input type="text" name="Address" value="1415 North Loop West"></TD></TR>
<TR>
  <TD>City:</TD>
  <TD><input type="text" name="City" value="Houston"></TD></TR>
<TR>
  <TD>State:</TD>
  <TD><input type="text" name="State" value="TX"></TD></TR>
<TR>
  <TD>Zip:</TD>
  <TD><input type="text" name="Zip" value="77008"></TD></TR>
<TR>
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<TR>
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<TR>
  <TD>RCRRecurAmount:</TD>
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  <TD>RCRRecur:</TD>
  <TD><input type="text" name="RCRRecur" value="8"></TD></TR>
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  <TD>RCRPeriod:</TD>
  <TD><input type="text" name="RCRPeriod" value="Monthly"></TD></TR>
<TR>
  <TD>RCRChargeWhen:</TD>
  <TD><input type="text" name="RCRChargeWhen" value="OnDayOfCycle"></TD></TR>
<TR>
  <TD>RCRStartOnDay:</TD>
  <TD><input type="text" name="RCRStartOnDay" value="12~01~2009"></TD> </TR>
<TR>
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  <TD><input type="submit" name="submit" value="Submit"></TD> </TR>
</TABLE> </FORM> </BODY> </HTML>
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9.16 Cancel Recur

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<HTML>
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bin/tdbe/Recur.pl">
<TABLE>
  <TR>
    <TD>ePNAccount:</TD>
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  </TR>
  <TR>
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    <TD><input type=text name="RestrictKey"
value="wazCv6tcQ1vHwee"></TD>
  </TR>
  <TR>
    <TD>TranType:</TD>
    <TD><input type=text name="TranType" value="Cancel"></TD>
  </TR>
  <TR>
    <TD>RecurID:</TD>
    <TD><input type=text name="RecurID" value="1"></TD>
  </TR>
  <TR>
    <TD>Submit:</TD>
    <TD><input type=submit name="submit" value="Submit"></TD>
  </TR>
</TABLE>
</FORM>
</BODY>
</HTML>
```