



STANDARD SPECIFICATION of e-pay WEB SERVICE

Prepared By: Ooi Mun Nee

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2.4	Michelle Lim	-Amend Testing Certificate	26/05/2010
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2.6.2	Michelle Lim	-Amend sample message	21/12/2010
2.6.3	Michelle Lim	-Amend List of Product	06/06/2011
2.6.4	Ooi Mun Nee	-Amend List of Product -Amend WSDL	13/06/2011
2.6.5	Michelle Lim	-Amend List of Product	09/08/2011
2.6.6	Michelle Lim	-Amend List of Product	14/09/2011
2.6.7	Michelle Lim	-Amend List of Product	12/10/2011
2.6.8	Michelle Lim	-Amend List of Product	26/07/2012
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		- Add Statement on retry for duplicate transaction reference	
3.3	Ooi Mun Nee	- Amend void request explanation	21/10/2013
3.4	Alicia Hew	- Added recommendation field for receipt printing	26/12/2013
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3.6	Ooi Mun Nee	- Adding note under Testing URLs	10/06/2014
3.7	Alicia Hew	- Add support for TLS	24/01/2015
3.8	Teow Ying Ying	- Update GST Product List	25/05/2015
3.9	Alicia Hew	- change Reconciliation File format & return file-> Detail Record format. Custom Field1, CustomField5 from "Optional" to "Conditional"	20 January 2016
4.0	Alicia Hew	Update : 1) Testing URL 2) Test Cert (Due to old cert will expired soon)	4 April 2016



Distribution and Sign Off

Name	Position	Signature	Date



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1 Introduction

e-pay Web Service is a value added services which enable retailer to request PIN, perform topup by hitting e-pay web server.

Due to the characteristic of this information which is real-time and should have a rapid response, therefore the system for supporting this service and should have a standard specification to ensure the performance of this service.



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2 Web Services

The below are the web services provided by e-pay:

Notes: Whenever user / merchant received “DUPLICATE TXN REFERENCE” (error code 87), user / merchant should not retry again. If user continuous retry, system will block the user account

2.1 PIN/E-Topup is a service that provides prepaid PIN or PINless topup reload requested by retailer.

PIN Based

- Product type is PIN.
- For PIN transaction request, e-pay will return back a serial number and PIN.
- Customer has to perform top up manually to their account using the PIN.
- Example: Digi 10, Hotlink 60, iTalk Mobile, etc.

E-Topup/ PINless

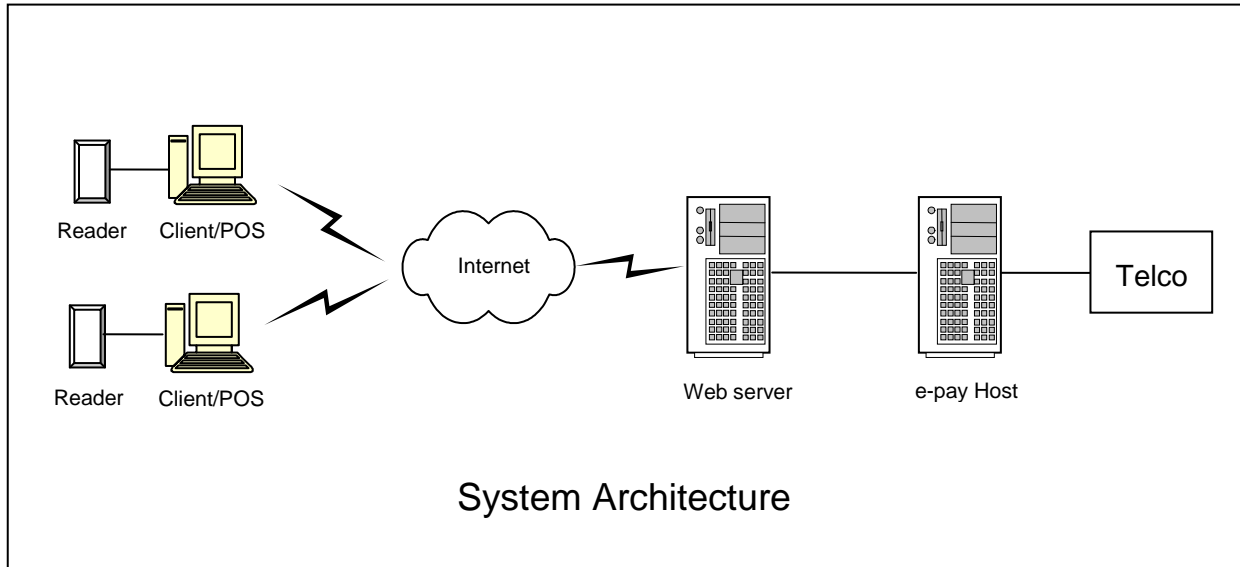
- Product type is ETU.
- For E-Topup transaction request, it will direct top up the amount to customer's account according MSISDN (mobile number).
- Customer does not need to perform top up manually.
- Example: Celcom Airtime 30, etc.

2.2 PIN Void/E-Topup Void is a service to void a PIN/E-Topup request.

2.3 PIN Reversal/E-Topup Reversal is a service to reverse a PIN/PIN Void/E-Topup/E-Etopup Void request.

- Some scenarios will cause to do reversal is connection lost or timeout.

2.4 Network Check is a service to check the availability of the web service.

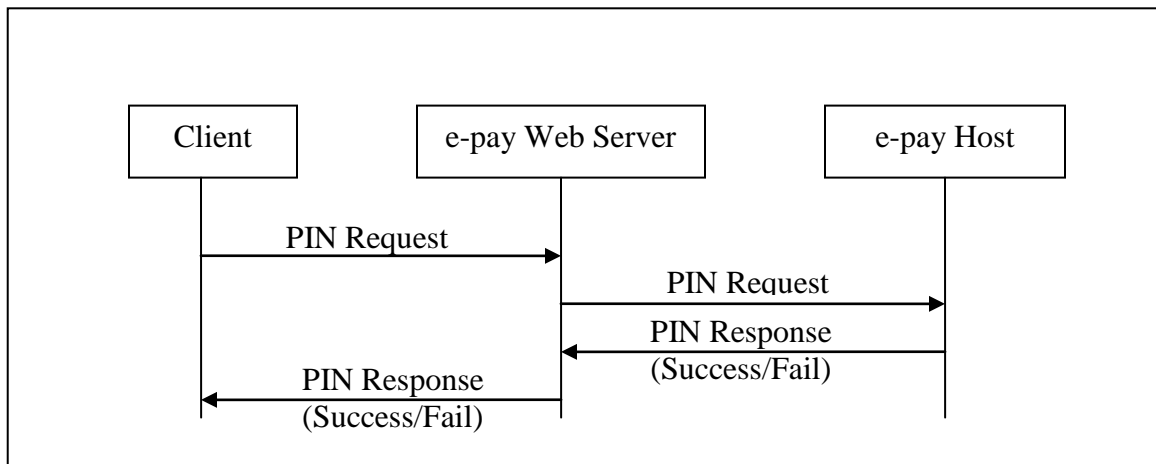


3 TLS

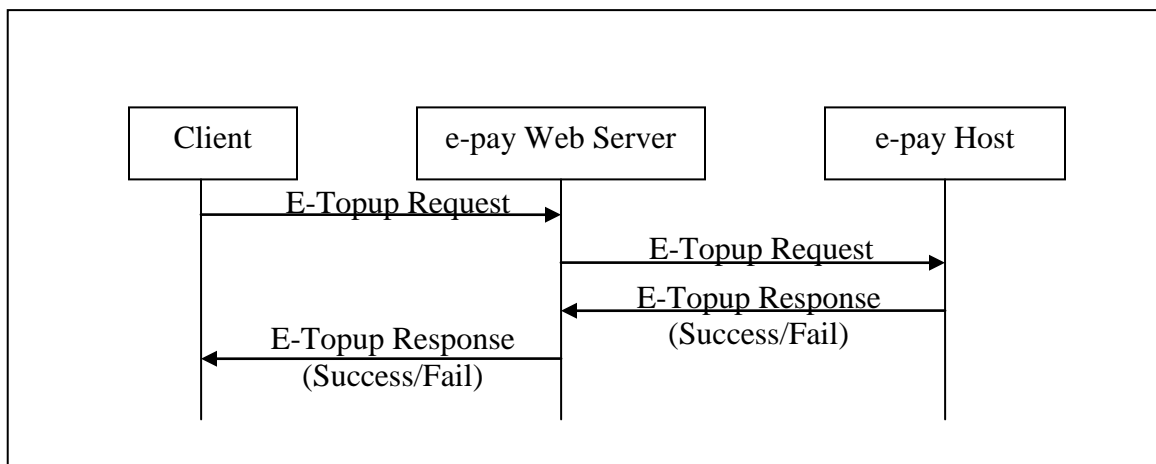
From end March 2015 onwards, Integrator required to support TLS due to SSLv3 vulnerability to POODLE attack.

4 Message Flow

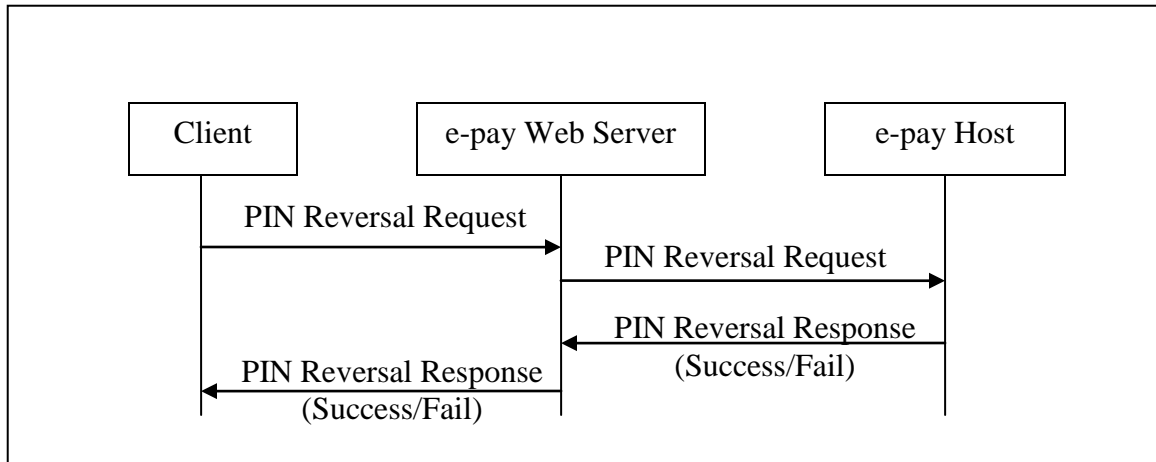
4.1 onlinePIN



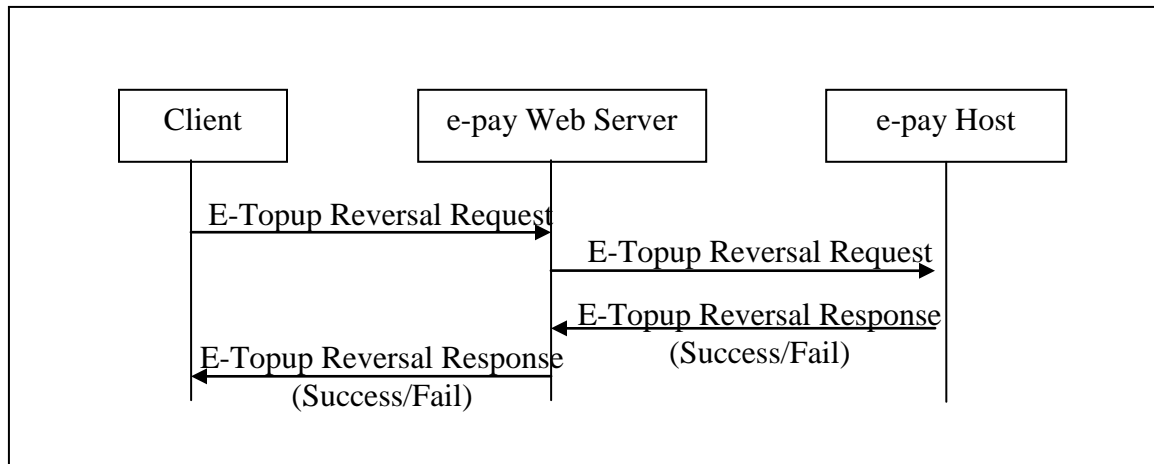
4.2 etopup (Pinless topup)



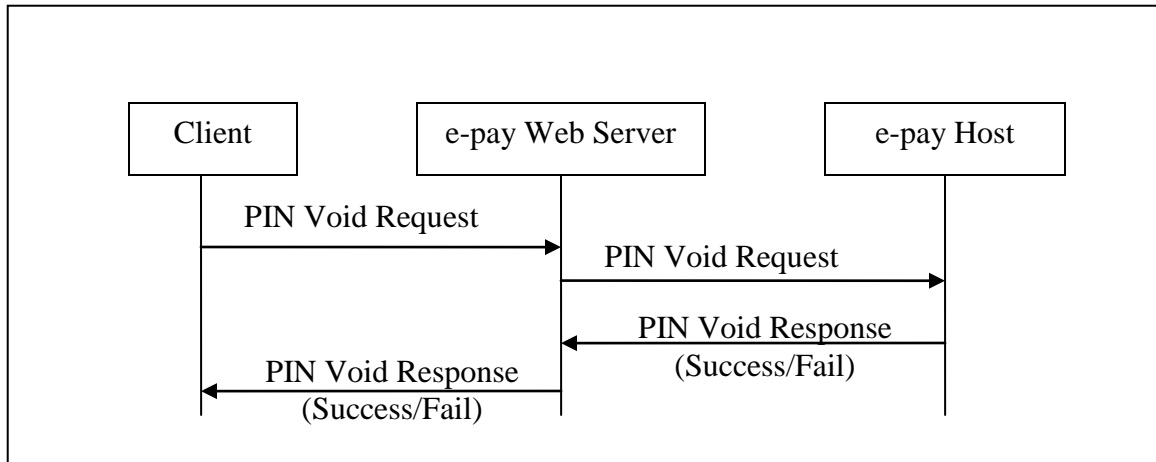
4.3 onlinePINReversal



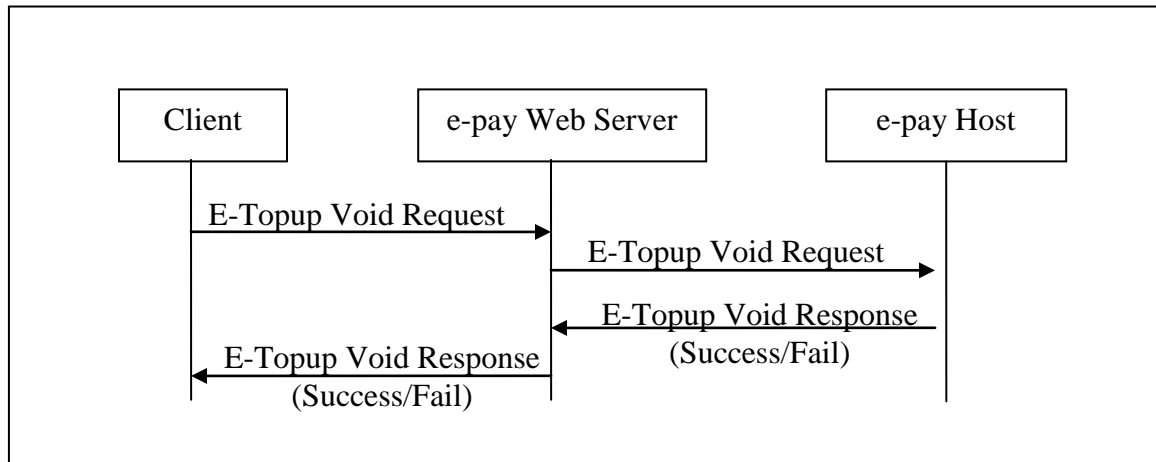
4.4 etopupReversal (PINLESS)



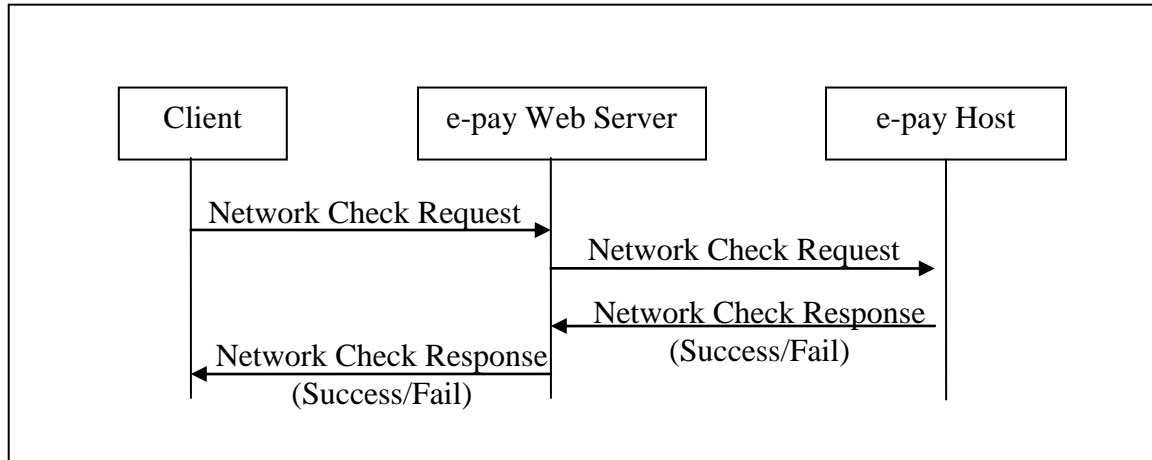
4.5 onlinePINVoid



4.6 etopupVoid (PINLESS)



4.7 Network Check





5 Online PIN Request (onlinePINRequest)

The onlinePINRequest API enables the retailer to request for prepaid PIN topup. When properly submitted, it provides the following information:

- Response code of the reload operation i.e. “00”

Otherwise, it provides the following information:

- Response code other than “00”. Example “99”

5.1 onlinePINRequest Description

This section contains information about each of the data elements included in the onlinePINRequest. The request consists of a single structural level:

onlinePINRequest

The onlinePINRequest has one element which is called RequestMsg. The following table provides the fields included within the RequestMsg.

No.	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded (in Cents)	11	Required	Eg. 1000
2.	merchantId	String	Merchant id provided by e-pay	15	Required	
3.	operatorId	String	Channel/Operator ID	20	Required	
4.	orgTransRef	String	For reversal/void only	40	Not Required	
5.	retTransRef	String	Unique client transaction reference.	40	Required	
6.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
7.	productCode	String	Product Code provided by e-pay.	30	Required	
8.	msisdn	String	Mobile no/ account no.	30	Not Required	For mobile no is start with 0.
9.	transDateTime	String	Transaction date and time	14	Required	yyyyMMddHHmmSS
10.	transTraceId	integer	Unique ID to identify each transaction request	6	Required	1 to 999999
11.	customField1	String	Custom Field 1	1000	Optional	
12.	customField2	String	Custom Field 2	1000	Optional	
13.	customField3	String	Custom Field 3	1000	Optional	
14.	customField4	String	Custom Field 4	1000	Optional	
15.	customField5	String	Custom Field 5	1000	Optional	
16.	macing	String	Macing	128	Optional	

Note:

- Seq. nos. 6 and 9 are fixed length.



- Seq. no. 5 PIN/PIN Void request and its related reversal request should have the same retTransRef. It must be unique for each PIN, PIN Void, E-Topup, E-Topup Void
- Seq. no. 10 is running number and unique for all requests.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.

5.2 onlinePINResponse Description

The following is a display of the structural levels of the onlinePINResponse:

onlinePINResponse

The onlinePINResponse has one element which is called ResponseMsg. The following table provides the fields included within the ResponseMsg

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded (in Cents)	11	Required	Eg. 1000
2.	pin	String	PIN number.	24	Optional	Not available if transaction is failed.
3.	pinExpiryDate	String	PIN expiry date.	6	Optional	yyMMdd Not available if transaction is failed or the PIN itself doesn't has the expiry date.
4.	productCode	String	Product Code provided by e-pay.	30	Required	
5.	responseCode	String	e-pay response code.	2	Required	00 is Successful, other than 00 is fail
6.	responseMsg	String	Error message.	100	Optional	Not available if transaction is successful.
7.	retTransRef	String	Client transaction reference.	40	Required	
8.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
9.	transRef	String	PIN serial number.	40	Optional	Not available if transaction is failed.
10.	customField1	String	Custom Field 1	1000	Optional	
11.	customField2	String	Custom Field 2	1000	Optional	
12.	customField3	String	Custom Field 3	1000	Optional	
13.	customField4	String	Custom Field 4	1000	Optional	
14.	customField5	String	Custom Field 5	1000	Optional	
15.	macing	String	Macing	128	Optional	

Note:

- Seq. nos. 3, 5 and 8 are fixed length.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.
- Seq. no 10 for POS transaction it will be the PIN top up instruction.
- customField1 is used for topup instruction message for Prepaid reload

6 E-Topup Request (etopupRequest)

The etopupRequest API enables retailer to request for prepaid PINless topup, identified by a MSISDN or an account number with a specified denomination. When properly submitted, it provides the following information:

- Response code of the reload operation i.e. “00”

Otherwise, it provides the following information:

- Response code other than “00”. Example “99”

6.1 etopupRequest Description

This section contains information about each of the data elements included in the etopupRequest. The request consists of a single structural level:

etopupRequest

The etopupRequest has one element which is called RequestMsg. The following table provides the fields included within the RequestMsg.

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded (in Cents)	11	Required	Eg. 1000
2.	merchantId	String	Merchant id provided by e-pay	15	Required	
3.	operatorId	String	Channel /Operator ID	20	Required	
4.	orgTransRef	String	For reversal/void only	40	Not Required	
5.	retTransRef	String	Unique client transaction reference.	40	Required	
6.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
7.	productCode	String	Product Code provided by e-pay.	30	Required	
8.	msisdn	String	Mobile no/ account no.	30	Required	For mobile no is start with 0.
9.	transDateTime	String	Transaction date and time	14	Required	yyyyMMddHHmmSS
10.	transTraceId	integer	Unique ID to identify each transaction request	6	Required	1 to 999999
11.	customField1	String	Custom Field 1	1000	Optional	
12.	customField2	String	Custom Field 2	1000	Optional	
13.	customField3	String	Custom Field 3	1000	Optional	
14.	customField4	String	Custom Field 4	1000	Optional	
15.	customField5	String	Custom Field 5	1000	Optional	
16.	macing	String	Macing	128	Optional	

Note:

- Seq. nos. 6 and 9 are fixed length.
- Seq. no. 5 E-Topup/E-Topup Void request and its related reversal request should have the same retTransRef. It must be unique for each PIN, PIN Void, E-Topup, E-Topup Void



- Seq. no. 10 is running number and unique for all requests.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.
- Seq. no 15 is extended data required for certain transactions

6.2 etopupResponse Description

The following is a display of the structural levels of the etopupResponse:

etopupResponse

The etopupResponse has one element which is called ResponseMsg. The following table provides the fields included within the ResponseMsg

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded (in Cents)	11	Required	Eg. 1000
2.	pin	String	PIN number.	24	Not required	
3.	pinExpiryDate	String	PIN expiry date.	6	Not required	
4.	productCode	String	Product Code provided by e-pay.	30	Required	
5.	responseCode	String	e-pay response code.	2	Required	00 is Successful, other than 00 is fail
6.	responseMsg	String	Error message.	100	Optional	Not available if transaction is successful.
7.	retTransRef	String	Client transaction reference.	40	Required	
8.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
9.	transRef	String	Transaction Reference returned by e-pay	40	Required	
10.	customField1	String	Custom Field 1	1000	Optional	
11.	customField2	String	Custom Field 2	1000	Optional	
12.	customField3	String	Custom Field 3	1000	Optional	
13.	customField4	String	Custom Field 4	1000	Optional	
14.	customField5	String	Custom Field 5	1000	Optional	
15.	macing	String	Macing	128	Optional	

Note:

- Seq. nos. 3, 5 and 8 are fixed length.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.
- Seq. no. 14 is extended data required for certain transactions
- customField1 is used for topup instruction message for Prepaid reload

7 Online PIN Reversal Request (onlinePINReversalRequest)

The onlinePINReversalRequest API enables the internet client to do reversal for an online PIN/online PIN void requested within a pre specified period of time. All reversal requests received after the pre specified period of time will be rejected. When properly submitted, it provides the following information:



- Response code of the reload operation i.e. “00”

Otherwise, it provides the following information:

- Response code other than “00”. Example “99”

7.1 onlinePINReversalRequest Description

This section contains information about each of the data elements included in the onlinePINReversalRequest. The request consists of a single structural level:

onlinePINReversalRequest

The onlinePINReversalRequest has one element which is called RequestMsg. The following table provides the fields included within the RequestMsg.

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded (in Cents)	11	Required	Eg. 1000
2.	merchantId	String	Merchant id provided by e-pay	15	Required	
3.	operatorId	String	Channel/ Operator ID	20	Required	
4.	orgTransRef	String	Transaction reference returned by e-pay in ResponseMsg.	40	Optional	
5.	retTransRef	String	Client transaction reference for identifying each transaction. (Same as its PIN/PIN Void request transaction's retTransRef)	40	Required	
6.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
7.	productCode	String	Product Code provided by e-pay.	30	Required	
8.	MSISDN	String	Mobile no/ account no.	30	Not Required	For mobile no is start with 0.
9.	transDateTime	String	Transaction date and time	14	Required	yyyyMMddHHmmSS
10.	transTraceId	integer	Unique ID to identify each transaction request	6	Required	1 to 999999
11.	customField1	String	Custom Field 1	1000	Optional	
12.	customField2	String	Custom Field 2	1000	Optional	
13.	customField3	String	Custom Field 3	1000	Optional	
14.	customField4	String	Custom Field 4	1000	Optional	
15.	customField5	String	Custom Field 5	1000	Optional	
16.	macing	String	Macing	128	Optional	

Note:

- Seq. nos. 6 and 9 are fixed length.
- Seq. no. 5 same as its PIN/PIN Void request transaction's retTransRef
- Seq. no 4 is primary key used for reversal. If no orgTrasRef is provided, retTransRef is use as key for reversal.
- Seq. no. 10 is running number and unique for all requests.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.



7.2 onlinePINReversalResponse Description

The following is a display of the structural levels of the onlinePINReversalResponse:

onlinePINReversalResponse

The onlinePINReversalResponse has one element which is called ResponseMsg. The following table provides the fields included within the ResponseMsg

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded (in Cents)	11	Required	Eg. 1000
2.	pin	String	PIN number.	24	Not Required	
3.	pinExpiryDate	String	PIN expiry date.	6	Not Required	
4.	productCode	String	Product Code provided by e-pay.	30	Required	
5.	responseCode	String	e-pay response code.	2	Required	00 is Successful, other than 00 is fail
6.	responseMsg	String	Error message.	100	Optional	Not available if transaction is successful.
7.	retTransRef	String	Client transaction reference.	40	Required	
8.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
9.	transRef	String	Transaction Reference returned by e-pay	40	Not required	
10.	customField1	String	Custom Field 1	1000	Optional	
11.	customField2	String	Custom Field 2	1000	Optional	
12.	customField3	String	Custom Field 3	1000	Optional	
13.	customField4	String	Custom Field 4	1000	Optional	
14.	customField5	String	Custom Field 5	1000	Optional	
15.	macing	String	Macing	128	Optional	

Note:

- Seq. no. 5 and 8 are fixed length.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.



8 E-Topup Reversal Request (etopupReversalRequest)

The etopupReversalRequest API enables the internet client to do reversal for an E-Topup/E-Etopup void requested within a pre specified period of time. All reversal requests received after the pre specified period of time will be rejected. When properly submitted, it provides the following information:

- Response code of the reload operation i.e. “00”

Otherwise, it provides the following information:

- Response code other than “00”. Example “99”

8.1 etopupReversalRequest Description

This section contains information about each of the data elements included in the etopupReversalRequest. The request consists of a single structural level:

etopupReversalRequest

The etopupReversalRequest has one element which is called RequestMsg. The following table provides the fields included within the RequestMsg.

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded (in Cents)	11	Required	Eg. 1000
2.	merchantId	String	Merchant id provided by e-pay	15	Required	
3.	operatorId	String	Channel/ Operator ID	20	Required	
4.	orgTransRef	String	Transaction reference returned by e-pay in ResponseMsg	40	Optional	
5.	retTransRef	String	Client transaction reference for identifying each transaction. (Same as its E-Topup/E-Topup Void request transaction's retTransRef)	40	Required	
6.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
7.	productCode	String	Product Code provided by e-pay.	30	Required	
8.	msisdn	String	Mobile no/ account no.	30	Required	For mobile no is start with 0.
9.	transDateTime	String	Transaction date and time	14	Required	yyyyMMddHHmmSS
10.	transTraceId	integer	Unique ID to identify each transaction request	6	Required	1 to 999999
11.	customField1	String	Custom Field 1	1000	Optional	
12.	customField2	String	Custom Field 2	1000	Optional	
13.	customField3	String	Custom Field 3	1000	Optional	
14.	customField4	String	Custom Field 4	1000	Optional	
15.	customField5	String	Custom Field 5	1000	Optional	
16.	macing	String	Macing	128	Optional	

Note:

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- Seq. nos. 6 and 9 are fixed length.
- Seq. no. 5 same as its E-Topup/E-Topup Void request transaction's retTransRef
- Seq. no 4 is primary key used for reversal. If no orgTrasRef is provided, retTransRef is use as key for reversal.
- Seq. no. 10 is running number and unique for all requests.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.
- Seq. no. 15 is extended data required for certain transactions

8.2 etopupReversalResponse Description

The following is a display of the structural levels of the etopupReversalResponse:

etopupReversalResponse

The etopupReversalResponse has one element which is called ResponseMsg. The following table provides the fields included within the ResponseMsg

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded (in Cents)	11	Required	Eg. 1000
2.	pin	String	PIN number.	24	Not required	
3.	pinExpiryDate	String	PIN expiry date.	6	Not required	
4.	productCode	String	Product Code provided by e-pay.	30	Required	
5.	responseCode	String	e-pay response code.	2	Required	00 is Successful, other than 00 is fail
6.	responseMsg	String	Error message.	100	Optional	Not available if transaction is successful.
7.	retTransRef	String	Client transaction reference.	40	Required	
8.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
9.	transRef	String	Transaction Reference returned by e-pay	40	Optional	Not available if transaction is failed
10.	customField1	String	Custom Field 1	1000	Optional	
11.	customField2	String	Custom Field 2	1000	Optional	
12.	customField3	String	Custom Field 3	1000	Optional	
13.	customField4	String	Custom Field 4	1000	Optional	
14.	customField5	String	Custom Field 5	1000	Optional	
15.	macing	String	Macing	128	Optional	

Note:

- Seq. nos. 5 and 8 are fixed length.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.
- Seq. no. 14 is extended data required for certain transactions



9 Online PIN Void Request (onlinePINVoidRequest)

The onlinePINVoidRequest API enables the internet client to do void for an online PIN requested within a pre specified period of time. All void requests received after the pre specified period of time will be rejected. When properly submitted, it provides the following information:

- Response code of the reload operation i.e. “00”

Otherwise, it provides the following information:

- Response code other than “00”. Example “99”

9.1 onlinePINVoidRequest Description

This section contains information about each of the data elements included in the onlinePINVoidRequest. The request consists of a single structural level:

onlinePINVoidRequest

The onlinePINVoidRequest has one element which is called RequestMsg. The following table provides the fields included within the RequestMsg.

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded	11	Required	1000
2.	merchantId	String	Merchant id provided by e-pay	15	Required	
3.	operatorId	String	Channel/ Operator ID	20	Required	
4.	orgTransRef	String	Transaction reference returned by e-pay in ResponseMsg for the transaction that required to void	40	Required	
5.	retTransRef	String	Unique client transaction reference.	40	Required	
6.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
7.	productCode	String	Product Code provided by e-pay.	30	Required	
8.	MSISDN	String	MSISDN	30	Not Required	
9.	transDateTime	String	Transaction date and time	14	Required	yyyyMMddHHmmSS
10.	transTraceId	integer	Unique ID to identify each transaction request	6	Required	1 to 999999
11.	customField1	String	Custom Field 1	1000	Optional	
12.	customField2	String	Custom Field 2	1000	Optional	
13.	customField3	String	Custom Field 3	1000	Optional	
14.	customField4	String	Custom Field 4	1000	Optional	
15.	customField5	String	Custom Field 5	1000	Optional	
16.	macing	String	Macing	128	Optional	

Note:

- Seq. nos. 6 and 9 are fixed length.
- Seq. no. 5 PIN/PIN Void request and its related reversal request should have the same retTransRef. It must be unique for each PIN, PIN Void, E-Topup, E-Topup Void



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- Seq. no 4 is primary key used for void.
- Seq. no. 10 is running number and unique for all requests.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.



9.2 onlinePINVoidResponse Description

The following is a display of the structural levels of the onlinePINVoidResponse:

onlinePINVoidResponse

The onlinePINVoidResponse has one element which is called ResponseMsg. The following table provides the fields included within the ResponseMsg

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded	11	Required	1000
2.	pin	String	PIN number.	24	Not Required	
3.	pinExpiryDate	String	PIN expiry date.	6	Not Required	
4.	productCode	String	Product Code provided by e-pay.	30	Required	
5.	responseCode	String	e-pay response code.	2	Required	00 is Successful, other than 00 is fail
6.	responseMsg	String	Error message.	100	Optional	Not available if transaction is successful.
7.	retTransRef	String	Client transaction reference.	40	Required	
8.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
9.	transRef	String	Transaction Reference returned by e-pay	40	Not required	
10.	customField1	String	Custom Field 1	1000	Optional	
11.	customField2	String	Custom Field 2	1000	Optional	
12.	customField3	String	Custom Field 3	1000	Optional	
13.	customField4	String	Custom Field 4	1000	Optional	
14.	customField5	String	Custom Field 5	1000	Optional	
15.	macing	String	Macing	128	Optional	

Note:

- Seq. no. 5 and 8 are fixed length.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.



10 E-Topup Void Request (etopupVoidRequest)

The etopupVoidRequest API enables the internet client to do void for an E-Topup requested within a pre specified period of time. All void requests received after the pre specified period of time will be rejected. When properly submitted, it provides the following information:

- Response code of the reload operation i.e. “00”

Otherwise, it provides the following information:

- Response code other than “00”. Example “99”

10.1 etopupVoidRequest Description

This section contains information about each of the data elements included in the etopupVoidRequest. The request consists of a single structural level:

etopupVoidRequest

The etopupVoidRequest has one element which is called RequestMsg. The following table provides the fields included within the RequestMsg.

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded	11	Required	1000
2.	merchantId	String	Merchant id provided by e-pay	15	Required	
3.	operatorId	String	Channel/ Operator ID	20	Required	
4.	orgTransRef	String	Transaction reference returned by e-pay in ResponseMsg for the transaction that required to void	40	Required	
5.	retTransRef	String	Unique client transaction reference.	40	Required	
6.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
7.	productCode	String	Product Code provided by e-pay.	30	Required	
8.	msisdn	String	MSISDN/ Card number	30	Required	
9.	transDateTime	String	Transaction date and time	14	Required	yyyyMMddHHmmSS
10.	transTraceId	integer	Unique ID to identify each transaction request	6	Required	1 to 999999
11.	customField1	String	Custom Field 1	1000	Optional	
12.	customField2	String	Custom Field 2	1000	Optional	
13.	customField3	String	Custom Field 3	1000	Optional	
14.	customField4	String	Custom Field 4	1000	Optional	
15.	customField5	String	Custom Field 5	1000	Optional	
16.	macing	String	Macing	128	Optional	

Note:

- Seq. nos. 6 and 9 are fixed length.



- Seq. no. 5 E-Topup/E-Topup Void request and its related reversal request should have the same retTransRef. It must be unique for each PIN, PIN Void, E-Topup, E-Topup Void
- Seq. no 4 is primary key used for void.
- Seq. no. 10 is running number and unique for all requests.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.
- Seq. no 15 is extended data required for certain transactions



10.2 etopupVoidResponse Description

The following is a display of the structural levels of the etopupVoidResponse:

etopupVoidResponse

The etopupVoidResponse has one element which is called ResponseMsg. The following table provides the fields included within the ResponseMsg

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded	11	Required	1000
2.	pin	String	PIN number.	24	Not required	
3.	pinExpiryDate	String	PIN expiry date.	6	Not required	
4.	productCode	String	Product Code provided by e-pay.	30	Required	
5.	responseCode	String	e-pay response code.	2	Required	00 is Successful, other than 00 is fail
6.	responseMsg	String	Error message.	100	Optional	Not available if transaction is successful.
7.	refTransRef	String	Client transaction reference.	40	Required	
8.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
9.	transRef	String	Transaction Reference returned by e-pay	40	Optional	Not available if transaction is failed
10.	customField1	String	Custom Field 1	1000	Optional	
11.	customField2	String	Custom Field 2	1000	Optional	
12.	customField3	String	Custom Field 3	1000	Optional	
13.	customField4	String	Custom Field 4	1000	Optional	
14.	customField5	String	Custom Field 5	1000	Optional	
15.	macing	String	Macing	128	Optional	

Note:

- Seq. nos. 5 and 8 are fixed length.
- Amount should be treated in Cents. For example, RM10.00 should enter as 1000.
- Seq. no. 14 is extended data required for certain transactions



11 Network Check Request (networkCheckRequest)

The networkCheckRequest API enables retailer to check the availability of e-pay web service whether is up or down. When properly submitted, it provides the following information:

- Response code of the reload operation i.e. “00”

Otherwise, it will prompt error.

11.1 networkCheckRequest Description

This section contains information about each of the data elements included in the networkCheckRequest. The request consists of a single structural level:

networkCheckRequest

The networkCheckRequest has one element which is called RequestMsg. The following table provides the fields included within the RequestMsg.

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded	11	Not Required	1000
2.	merchantId	String	Merchant id provided by e-pay	15	Not Required	
3.	operatorId	String	Channel /Operator ID	20	Not Required	
4.	orgTransRef	String	For reversal/void only	40	Not Required	
5.	retTransRef	String	Unique client transaction reference.	40	Not Required	
6.	terminalId	String	8 digits provided by e-pay	8	Required	12345678
7.	productCode	String	Product Code provided by e-pay.	30	Not Required	
8.	msisdn	String	MSISDN/Card Number	30	Not Required	
9.	transDateTime	String	Transaction date and time	14	Not Required	yyyyMMddHHmmSS
10.	transTraceId	integer	Unique ID to identify each transaction request	6	Not Required	1 to 999999
11.	customField1	String	Custom Field 1	1000	Not Required	
12.	customField2	String	Custom Field 2	1000	Not Required	
13.	customField3	String	Custom Field 3	1000	Not Required	
14.	customField4	String	Custom Field 4	1000	Not Required	
15.	customField5	String	Custom Field 5	1000	Not Required	
16.	macing	String	Macing	128	Not Required	

Note:

- Seq. nos. 6 and 9 are fixed length.



11.2 networkCheckResponse Description

The following is a display of the structural levels of the networkCheckResponse:

networkCheckResponse

The networkCheckResponse has one element which is called ResponseMsg. The following table provides the fields included within the ResponseMsg

No	Field Name	Data Type	Description	Length	Required	Valid
1.	amount	String	Denomination to be reloaded	11	Not required	1000
2.	pin	String	PIN number.	24	Not required	
3.	pinExpiryDate	String	PIN expiry date.	6	Not required	
4.	productCode	String	Product Code provided by e-pay.	30	Not required	
5.	responseCode	String	e-pay response code.	2	Required	00 is Successful, other than 00 is fail
6.	responseMsg	String	Error message.	100	Optional	Not available if transaction is successful.
7.	retTransRef	String	Client transaction reference.	40	Not required	
8.	terminalId	String	8 digits provided by e-pay	8	Not required	12345678
9.	transRef	String	Transaction Reference returned by e-pay	40	Not required	
10.	customField1	String	Custom Field 1	1000	Not required	
11.	customField2	String	Custom Field 2	1000	Not required	
12.	customField3	String	Custom Field 3	1000	Not required	
13.	customField4	String	Custom Field 4	1000	Not required	
14.	customField5	String	Custom Field 5	1000	Not required	
15.	macing	String	Macing	128	Not required	

Note:

- Seq. nos. 3, 5 and 8 are fixed length.



12 Reconciliation

12.1 Reconciliation File

In order to facilitate transaction, end-of-day reconciliation file should be transferred to e-pay server (via Secure FTP service) by retrieval by e-pay. Details of the file format as below:

12.2 Reconciliation File Format

File naming convention for recon file: XXXYYMMDD.CSV

XXX: Merchant's name in short. Ex : HLB, AMB etc

YYMMDD : Transaction date in yyMMdd format

Example : HLB071116.CSV, AMB071116.CSV

Header Record format:

No	Field Name	Data Type	Description	Length	Required	Valid
1.	Record Type	String	To indicate Header	1	Required	H
2.	Merchant Name	String	Merchant's name in short	3	Required	HLB, AMB
3.	File Date	String	Date of the file generated	8	Required	yyyymmdd
4.	File Sequence	Integer	Sequence Number	2	Required	
5.	Last Ret Trans Ref	String	Last client's transaction reference	40	Optional	

Detail Record format:



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No	Field Name	Data Type	Description	Length	Required	Valid
1.	Record Type	String	To indicate Detail	1	Required	D
2.	Merchant ID	String	Merchant ID of transaction	15	Required	
3.	Operator ID	String	Channel/ Operator ID	20	Required	
4.	Terminal ID	String	Terminal ID	8	Required	
5.	Ret Trans Ref	String	Client's transaction reference	40	Required	
6.	Product Code	String	Product Code	30	Required	
7.	MSISDN	String	Mobile no/ account no	30	Optional	Required for E-Topup only
8.	Amount	String	Denomination to be reloaded (in 2 decimal point)	11	Required	Eg. 10.00
9.	TransType	String	Transaction Type	3	Required	PIN – PIN ETU – E-Topup PMT – Payment
10.	Trans Reference	String	Transaction Reference (for E-Topup) or Serial Number (for PIN)	40	Required	
11.	Trans Date Time	String	Transaction DateTimes	14	Required	yyyyMMddHHmmSS
12.	Custom Field 1	String	Custom field 1	1000	Conditional	
13.	Custom Field 2	String	Custom field 2	1000	Conditional	
14.	Custom Field 3	String	Custom field 3	1000	Conditional	
15.	Custom Field 4	String	Custom field 4	1000	Conditional	
16.	Custom Field 5	String	Custom field 5	1000	Conditional	

Trailer Record Format:

No	Field Name	Data Type	Description	Length	Required	Valid
1.	Record Type	String	To indicate Trailer	1	Required	T
2.	Total Detail Record	String	Total number of detail record	11	Required	
3.	Total Amount	String	Total amount of detail record	11	Required	

Reconciliation Return File

File naming convention for recon return file: XXXYYMMDDR.CSV

XXX: Merchant's name in short. Ex : HLB, AMB etc

YYMMDD : Transaction date in yyMMdd format

Example : HLB071116R.CSV, AMB071116R.CSV

Header Record format:

No	Field Name	Data Type	Description	Length	Required	Valid
1.	Record Type	String	To indicate Header	1	Required	H
2.	Merchant Name	String	Merchant's name in short	3	Required	HLB, AMB
3.	File Date	String	Date of the file generated	8	Required	yyyyMMdd
4.	File Sequence	Integer	Sequence Number	2	Required	
5.	Last Ret Trans Ref	String	Last client's transaction reference	40	Optional	



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Detail Record format:

No	Field Name	Data Type	Description	Length	Required	Valid
1.	Record Type	String	To indicate Detail	1	Required	D
2.	Merchant ID	String	Merchant ID of transaction	15	Required	
3.	Operator ID	String	Channel/ Operator ID	20	Required	
4.	Terminal ID	String	Terminal ID	8	Required	
5.	Ret Trans Ref	String	Client's transaction reference	40	Required	
6.	Product Code	String	Product Code	30	Required	
7.	MSISDN	String	Mobile no/ account no	30	Optional	Required for E-Topup only
8.	Amount	String	Denomination to be reloaded (in 2 decimal point)	11	Required	Eg. 10.00
9.	TransType	String	Transaction Type		Required	PIN – PIN ETU – E-Topup PMT – Payment
10.	Trans Reference	String	Transaction Reference (for E-Topup) or Serial Number (for PIN)	40	Required	
11.	Trans Date Time	String	Transaction DateTimes	14	Required	yyyyMMddHHmmSS
12.	Custom Field 1	String	Custom field 1	1000	Conditional	
13.	Custom Field 2	String	Custom field 2	1000	Conditional	
14.	Custom Field 3	String	Custom field 3	1000	Conditional	
15.	Custom Field 4	String	Custom field 4	1000	Conditional	
16.	Custom Field 5	String	Custom field 5	1000	Conditional	
17.	Status Code	String	Status code	2	Optional	00, 01, 02
18.	Status Description	String	Status description	100	Optional	Success (00), Fail (01), Exception (02)

Trailer Record Format:

No	Field Name	Data Type	Description	Length	Required	Valid
1.	Record Type	String	To indicate Trailer	1	Required	T
2.	Total Detail Record	String	Total number of detail record	11	Required	
3.	Total Amount	String	Total amount of detail record	11	Required	
4.	Total Success	String	Total number of success record	11	Optional	
5.	Total Fail	String	Total number of fail record	11	Optional	
6.	Total Exception	String	Total number of exception record	11	Optional	

Note:

- All fields to be separated by comma “,”
- Only successfully PIN/E-Topup request to be included.



13 Response Code

Notes: Response code list will be increase / expand from time to time

Response Code	Description
00	APPROVE
01	SERVICE UNAVAILABLE, PLEASE TRY AGAIN
02	INVALID ACCOUNT / MOBILE NUMBER
03	MOBILE NOT PREPAID
04	MOBILE NOT ACTIVE
05	MOBILE IS BARRED
13	ACCOUNT LIMIT EXCEEDED
14	UNMATCHING TRANSACTION FROM TELCO
16	TRANSACTION AREADY REVERSED FROM TELCO
18	REVERSAL PERIOD EXCEEDED
20	ACCOUNT INSUFFICIENT CREDIT
21	TRANSACTION REJECTED
22	TRANSACTION DECLINED
23	TRANSACTION IN PROCESS
27	INVALID MAC
40	REJECTED, INVALID VALUE
43	REJECTED, VALUE BELOW MINIMUM
44	REJECTED, VALUE ABOVE MAXIMUM
45	REJECTED, VALUE NOT IN STEP
54	INSUFFICIENT BALANCE
60	CONTACT TELCO CUSTOMER SERVICES
61	DAILY LIMIT EXCEEDED
70	INVALID MESSAGE FORMAT
71	COMMUNICATION ERROR
72	RESPONSE TIMEOUT
73	REVERSAL THRESHOLD EXCEEDED
74	SSL AUTHENTICATION FAILED
79	INACTIVE ACCOUNT
80	INVALID TERMINAL
81	TERMINAL REFUSED
82	CREDIT LIMIT EXCEEDED
83	NO PRODUCT FOUND
84	FEATURE UNAVAILABLE
85	OUT OF STOCK
86	INVALID VALUE
87	DUPLICATE TXN REFERENCE
	Notes: Whenever user / merchant received “DUPLICATE TXN



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Response Code	Description
	REFERENCE” (error code 87), user / merchant should not retry again. If user continuous retry, system will block the user account.
88	INVALID CARD NUMBER FORMAT
90	UNMATCHED TRANSACTION
93	REVERSAL ALREADY PROCESSED
94	REVERSAL PENDING
95	AMOUNT MISMATCH
99	TRANSACTION FAILED
RK	INVALID MAC
T1	LOGIN IS REQUIRED
T2	INVALID TNG CRYPTO
T5	INVALID TNG CARD
T8	PURSE LIMIT EXCEEDED



14 List of Product

**** This is full products list available in e-pay system.**

**** Kindly clarify with commercial team when production for actual products can be selling.**

Title	Denomination	ProductCode	Amount in Cents	Product Type		Remark
Celcom AT 5 (ST)	5.30	CELCOMAIRTIMEST	530	PIN	ETU	
Celcom AT 10 (ST)	10.60	CELCOMAIRTIMEST	1060	PIN	ETU	
Celcom AT 30 (ST)	31.80	CELCOMAIRTIMEST	3180	PIN	ETU	
Celcom AT 50 (ST)	53.00	CELCOMAIRTIMEST	5300	PIN	ETU	
Celcom AT 100 (ST)	106.00	CELCOMAIRTIMEST	10600	PIN	ETU	
Celcom AT 200 (ST)	212.00	CELCOMAIRTIMEST	21200	PIN	ETU	
Celcom Access 50 (ST)	53.00	CELCOMACCESSST	5300	PIN		
Digi 5 (ST)	5.30	DIGIST	530	PIN	ETU	
Digi 10 (ST)	10.60	DIGIST	1060	PIN	ETU	
Digi 30 (ST)	31.80	DIGIST	3180	PIN	ETU	
Digi 50 (ST)	53.00	DIGIST	5300	PIN	ETU	
Digi 100 (ST)	106.00	DIGIST	10600	PIN	ETU	
Digi SR 15 (ST)	15.90	DIGISRSOCIALST	1590	PIN		
Digi INDO 15 (ST)	15.90	DIGIINDOSRST	1590	PIN		
Hotlink 5 (ST)	5.30	MAXISHOTLINKST	530	PIN	ETU	
Hotlink 10 (ST)	10.60	MAXISHOTLINKST	1060	PIN	ETU	
Hotlink 20 (ST)	21.20	MAXISHOTLINKST	2120	PIN	ETU	
Hotlink 30 (ST)	31.80	MAXISHOTLINKST	3180	PIN	ETU	
Hotlink 60 (ST)	63.60	MAXISHOTLINKST	6360	PIN	ETU	
Hotlink 100 (ST)	106.00	MAXISHOTLINKST	10600	PIN	ETU	
Merchantrade 5 (ST)	5.30	MERCHANTST	530	PIN		
Merchantrade 10 (ST)	10.60	MERCHANTST	1060	PIN		
Merchantrade 30 (ST)	31.80	MERCHANTST	3180	PIN		
ITEL 5 (ST)	5.30	OKTELST	530	PIN		
ITEL 10 (ST)	10.60	OKTELST	1060	PIN		
ITEL 30 (ST)	31.80	OKTELST	3180	PIN		
ITEL 50 (ST)	53.00	OKTELST	5300	PIN		
U Mobile 3 (ST)	3.20	UMOBILEST	320		ETU	
U Mobile 5 (ST)	5.30	UMOBILEST	530	PIN	ETU	
U Mobile 10 (ST)	10.60	UMOBILEST	1060	PIN	ETU	
U Mobile 30 (ST)	31.80	UMOBILEST	3180	PIN	ETU	



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U Mobile 50 (ST)	53.00	UMOBILEST	5300	PIN	ETU	
U Mobile 100 (ST)	106.00	UMOBILEST	10600	PIN	ETU	
XOX 5 (ST)	5.30	XOXST	530	PIN		
XOX 10 (ST)	10.60	XOXST	1060	PIN		
XOX 30 (ST)	31.80	XOXST	3180	PIN		
XOX 50 (ST)	53.00	XOXST	5300	PIN		
Tron Talktime 10 (ST)	10.60	TRONTALKTIMEST	1060	PIN		
Tron Talktime 30 (ST)	31.80	TRONTALKTIMEST	3180	PIN		
Tron Talktime 50 (ST)	53.00	TRONTALKTIMEST	5300	PIN		
Tron Talktime 100 (ST)	106.00	TRONTALKTIMEST	10600	PIN		
Speak Out 3 (ST)	3.20	SPEAKOUTST	320	PIN		
Speak Out 10 (ST)	10.60	SPEAKOUTST	1060	PIN		
Speak Out 30 (ST)	31.80	SPEAKOUTST	3180	PIN		
Speak Out 50 (ST)	53.00	SPEAKOUTST	5300	PIN		
@m8 5 (ST)	5.30	M8ST	530	PIN		
@m8 10 (ST)	10.60	M8ST	1060	PIN		
@m8 30 (ST)	31.80	M8ST	3180	PIN		
@m8 50 (ST)	53.00	M8ST	5300	PIN		
@m8 100 (ST)	106.00	M8ST	10600	PIN		
Clixster 5 (ST)	5.30	CLIXSTERST	530	PIN		
Clixster 10 (ST)	10.60	CLIXSTERST	1060	PIN		
Clixster 30 (ST)	31.80	CLIXSTERST	3180	PIN		
Clixster 50 (ST)	53.00	CLIXSTERST	5300	PIN		
Friendi 5 (ST)	5.30	FRIENDIST	530	PIN		
Friendi 10 (ST)	10.60	FRIENDIST	1060	PIN		
Friendi 20 (ST)	21.20	FRIENDIST	2120	PIN		
Friendi 50 (ST)	53.00	FRIENDIST	5300	PIN		
Friendi 100 (ST)	106.00	FRIENDIST	10600	PIN		
Altel 5 (ST)	5.30	ALTELST	530	PIN		
Altel 10 (ST)	10.60	ALTELST	1060	PIN		
Altel 30 (ST)	31.80	ALTELST	3180	PIN		
Altel 50 (ST)	53.00	ALTELST	5300	PIN		
Nepal Top Up 10	10.00	NEPAL	1000		ETU	
Global SIM Pro 30	30.00	TRONGSP	3000	PIN		
Global SIM Pro 50	50.00	TRONGSP	5000	PIN		
Global SIM Pro 100	100.00	TRONGSP	10000	PIN		



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GloReload 7	7.00	GLORELOAD	700	PIN		
GloReload 13	13.00	GLORELOAD	1300	PIN		
GloReload 25	25.00	GLORELOAD	2500	PIN		
Digi Chatz 10 (ST)	10.60	DIGICHATZST	1060	PIN		
Digi Chatz 30 (ST)	31.80	DIGICHATZST	3180	PIN		
Digi Chatz 50 (ST)	53.00	DIGICHATZST	5300	PIN		
Digi Chatz 100 (ST)	106.00	DIGICHATZST	10600	PIN		
iTalk Mobile 10 (ST)	10.00	ITALKMOBILEST	1000	PIN		
iTalk Mobile 30 (ST)	30.00	ITALKMOBILEST	3000	PIN		
iTalk Mobile 50 (ST)	50.00	ITALKMOBILEST	5000	PIN		
Centennial 10 (ST)	10.60	CENTENNIALST	1060	PIN		
Centennial 20 (ST)	21.20	CENTENNIALST	2120	PIN		
Centennial 50 (ST)	53.00	CENTENNIALST	5300	PIN		
Centennial 100 (ST)	106.00	CENTENNIALST	10600	PIN		
Mushi Mushi 20 (ST)	21.20	MUSHIMUSHIST	2120	PIN		
Mushi Mushi 50 (ST)	53.00	MUSHIMUSHIST	5300	PIN		
Redtone IDD 5 (ST)	5.00	REDTONEIDDST	500	PIN		
Redtone IDD 10 (ST)	10.00	REDTONEIDDST	1000	PIN		
Redtone IDD 30 (ST)	30.00	REDTONEIDDST	3000	PIN		
JET Coupon 50	50.00	JETCOUPON	5000	PIN		
YES 3 (ST)	3.00	YESST	300	PIN		
YES 5 (ST)	5.00	YESST	500	PIN		
YES 10 (ST)	10.00	YESST	1000	PIN		
YES 30 (ST)	30.00	YESST	3000	PIN		
YES 50 (ST)	50.00	YESST	5000	PIN		
YES 100 (ST)	100.00	YESST	10000	PIN		
Ultratone 6 (ST)	6.00	ULTRATONEST	600	PIN		
Ultratone 11 (ST)	11.00	ULTRATONEST	1100	PIN		
Ultratone 22 (ST)	22.00	ULTRATONEST	2200	PIN		
Ultratone 33 (ST)	33.00	ULTRATONEST	3300	PIN		
Ultratone 55 (ST)	55.00	ULTRATONEST	5500	PIN		
Ultratone 110 (ST)	110.00	ULTRATONEST	11100	PIN		
TM Go 10 (ST)	10.00	TMGOST	1000	PIN		
TM Go 30 (ST)	30.00	TMGOST	3000	PIN		
TM Go 50 (ST)	50.00	TMGOST	5000	PIN		



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Cubocard 10 (ST)	10.60	CUBICARDST	1060	PIN		
Cubocard 40 (ST)	42.40	CUBICARDST	4240	PIN		
Cubocard 100 (ST)	106.00	CUBICARDST	10600	PIN		
Cubocard 200 (ST)	212.00	CUBICARDST	21200	PIN		
MOLPoints 10 (ST)	10.00	MOLEPOINTST	1000	PIN		
MOLPoints 20 (ST)	20.00	MOLEPOINTST	2000	PIN		
MOLPoints 30 (ST)	30.00	MOLEPOINTST	3000	PIN		
MOLPoints 40 (ST)	40.00	MOLEPOINTST	4000	PIN		
MOLPoints 50 (ST)	50.00	MOLEPOINTST	5000	PIN		
MOLPoints 100 (ST)	100.00	MOLEPOINTST	10000	PIN		
MyCard 50-GST	6.00	MYCARDST	600	PIN		
MyCard 150-GST	18.00	MYCARDST	1800	PIN		
MyCard 350-GST	40.00	MYCARDST	4000	PIN		
MyCard 450-GST	52.00	MYCARDST	5200	PIN		
MyCard 1000-GST	115.00	MYCARDST	11500	PIN		
MyCard 2000-GST	230.00	MYCARDST	23000	PIN		
MyCard 3000-GST	344.00	MYCARDST	34400	PIN		
Cherry Credits 10	10.00	CHERRY	1000	PIN		
Cherry Credits 20	20.00	CHERRY	2000	PIN		
Cherry Credits 50	50.00	CHERRY	5000	PIN		
Cherry Credits 100	100.00	CHERRY	10000	PIN		
Gash Point 50	6.00	GAMANIA	600	PIN		
Gash Point 150	18.00	GAMANIA	1800	PIN		
Gash Point 300	35.00	GAMANIA	3500	PIN		
UPoint 10 (ST)	10.60	GAMEPROST	1060	PIN		
UPoint 50 (ST)	53.00	GAMEPROST	5300	PIN		
UPoint 100 (ST)	106.00	GAMEPROST	10600	PIN		
UPoint 200 (ST)	212.00	GAMEPROST	21200	PIN		
Garena Shells 100 (ST)	7.45	GARENAST	745	PIN		
Garena Shells 200 (ST)	14.85	GARENAST	1485	PIN		
Garena Shells 500 (ST)	37.10	GARENAST	3710	PIN		
Garena Shells 1000 (ST)	74.20	GARENAST	7420	PIN		
Garena Shells 3000 (ST)	222.60	GARENAST	22260	PIN		
JoinCard 5	5.00	JOINCARD	500	PIN		
JoinCard 10	10.00	JOINCARD	1000	PIN		
JoinCard 20	20.00	JOINCARD	2000	PIN		



STANDARD SPECIFICATION of e-pay WEB SERVICE

JoinCard 50	50.00	JOINCARD	5000	PIN		
JoinCard 100	100.00	JOINCARD	10000	PIN		
OffGamers 10 (ST)	10.60	OFFGAMERST	1060	PIN		
OffGamers 20 (ST)	21.20	OFFGAMERST	2120	PIN		
OffGamers 30 (ST)	31.80	OFFGAMERST	3180	PIN		
OffGamers 50 (ST)	53.00	OFFGAMERST	5300	PIN		
OffGamers 100 (ST)	106.00	OFFGAMERST	10600	PIN		
CiB 5 (ST)	5.30	CIBST	530	PIN		
CiB 10 (ST)	10.60	CIBST	1060	PIN		
CiB 30 (ST)	31.80	CIBST	3180	PIN		
CiB 50 (ST)	53.00	CIBST	5300	PIN		
CiB 100 (ST)	106.00	CIBST	10600	PIN		
Telelink 50 (ST)	50.00	TELELINKST	5000		ETU	
Telelink 100 (ST)	100.00	TELELINKST	10000		ETU	
Telelink 200 (ST)	200.00	TELELINKST	20000		ETU	
Telelink 300 (ST)	300.00	TELELINKST	30000		ETU	
Telelink 500 (ST)	500.00	TELELINKST	50000		ETU	
M-Money 30 (ST)	30.00	MMONEYST	3000		ETU	
M-Money 50 (ST)	50.00	MMONEYST	5000		ETU	
M-Money 100 (ST)	100.00	MMONEYST	10000		ETU	
M-Money 200 (ST)	200.00	MMONEYST	20000		ETU	
M-Money 300 (ST)	300.00	MMONEYST	30000		ETU	
M-Money 500 (ST)	500.00	MMONEYST	50000		ETU	
M-Money 700 (ST)	700.00	MMONEYST	70000		ETU	
M-Money 1000 (ST)	1000.00	MMONEYST	100000		ETU	
50 RMS_Pts (RM5)(ST)	5.30	RMSST	530	PIN		
200 RMS_Pts (RM20)(ST)	21.20	RMSST	2120	PIN		
1000 RMS_Pts (RM100)(ST)	106.00	RMSST	10600	PIN		
2500 RMS_Pts (RM250)(ST)	265.00	RMSST	26500	PIN		
MCash 30 (ST)	30.00	MCASHST	3000	PIN		
MCash 50 (ST)	50.00	MCASHST	5000	PIN		
MCash 100 (ST)	100.00	MCASHST	10000	PIN		
MCash 150 (ST)	150.00	MCASHST	15000	PIN		
MCash 200 (ST)	200.00	MCASHST	20000	PIN		
myRosso Points 10 (ST)	10.60	MYROSSOST	1060	PIN		
myRosso Points 50 (ST)	53.00	MYROSSOST	5300	PIN		
myRosso Points 100 (ST)	106.00	MYROSSOST	10600	PIN		



STANDARD SPECIFICATION of e-pay WEB SERVICE

MyTeksi 10 (ST)	10.00	MYTEKSIST	1000	PIN		
MyTeksi 20 (ST)	20.00	MYTEKSIST	2000	PIN		
MyTeksi 50 (ST)	50.00	MYTEKSIST	5000	PIN		
IAH 10 (ST)	10.60	IAHST	1060	PIN		
IAH 30 (ST)	31.80	IAHST	3180	PIN		
IAH 100 (ST)	106.00	IAHST	10600	PIN		
IAH 150 (ST)	159.00	IAHST	15900	PIN		
Astro Bill Payment	0.00 – 500.00	ASTRO	0 - 50000		ETU	Enter Account No without hyphen(-)
Celcom Bill Payment	0.00 – 500.00	CELCOMBILL	0 - 50000		ETU	Enter Account No
UMobile Bill Payment	30.00 – 500.00	UMOBILEBIL	3000 - 50000		ETU	Enter Account No or Phone No
Maxis Bill Payment	1.00 – 500.00	MAXISBILL	100 - 50000		ETU	Enter Account No or Phone No
TM Telephone Bill	10.00 - 500.00	TMPHONE	1000 - 50000		ETU	Enter Account No
TM Streamyx Bill	10.00 - 500.00	STREAMYX	1000 - 50000		ETU	Enter Account No
TM Unifi Bill	10.00 - 500.00	UNIFI	1000 - 50000		ETU	Enter Account No
MAA Visa Prepaid Credit	30.00 - 500.00	MAAVISA	3000 - 50000		ETU	
RedONE Bill Payment	5.00 - 500.00	REDONEBILL	500 - 50000		ETU	Enter Account No or Phone No
YES Bill Payment	10.00- 500.00	YESBILL	1000 - 50000		ETU	Enter Account No or Phone No
TNB Bill Payment	5.00- 500.00	TNBBILL	500 - 50000		ETU	Enter Account No
iPay88	0.00 – 1000.00	IPAY	0-100000		ETU	Enter Order No
MOLPay CASH Payment	2.00 – 5000.00	MOLPMT	200 – 500000		ETU	Enter MOLPay Txn No
Astro Njoi 5 (ST)	5.00	NJOIST	500	PIN		
Astro Njoi 10 (ST)	10.00	NJOIST	1000	PIN		
Astro Njoi 20 (ST)	20.00	NJOIST	2000	PIN		
Utusan Digital Paper 6	6.00	UTUSAN	600	PIN		
Utusan Digital Paper 20	20.00	UTUSAN	2000	PIN		
Utusan Digital Paper 55	55.00	UTUSAN	5500	PIN		
Utusan Digital Paper 100	100.00	UTUSAN	10000	PIN		
Utusan Digital Paper 180	180.00	UTUSAN	18000	PIN		

15 Recommendation fields for receipt printing

Following is the list of recommended fields which required displaying in customer reloads receipt:

Recommended field	Place to capture in Web Service		Remark
	Web Service	Field	
Transaction time			Time perform customer reload request
Operator ID			Operator ID who help to perform customer reload request.
Terminal ID	onlinePINResponse	terminalId	
	etopupResponse	terminalId	
Reload amount	onlinePINResponse	amount	
	etopupResponse	amount	
PIN	onlinePINResponse	pin	Only for PIN type
PIN Expiry Date	onlinePINResponse	pinExpiryDate	Only for PIN type
Serial Number	onlinePINResponse	transRef	This is PIN Serial number. Only for PIN type
Transaction reference	etopupResponse	transRef	This is transaction reference for PIN less / ETopup
Top Up Instruction	onlinePINResponse	customField1	
	etopupResponse	customField1	

16 List of Operator ID

1. ATM (ATM service)
2. SMS (SMS service)
3. IBS (Internet Banking Service)
4. MBS (Mobile Banking Service)
5. OTR (Other services)



17 WSDL for e-pay Web Service

```

<?xml version="1.0" encoding="UTF-8"?>
<wsdl:definitions targetNamespace="urn:EPAYIBWS"
xmlns:apachesoap="http://xml.apache.org/xml-soap" xmlns:impl="urn:EPAYIBWS"
xmlns:intf="urn:EPAYIBWS" xmlns:tns1="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tns2="http://axis.apache.org" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
xmlns:wsdlsoap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <wsdl:types>
    <schema elementFormDefault="qualified" targetNamespace="urn:EPAYIBWS"
xmlns="http://www.w3.org/2001/XMLSchema">

      <complexType name="RequestMsg">
        <sequence>
          <element name="amount" nillable="true" type="tns1:string"/>
          <element name="merchantId" nillable="true" type="tns1:string"/>
          <element name="operatorId" nillable="true" type="tns1:string"/>
          <element name="orgTransRef" nillable="true" type="tns1:string"/>
          <element name="retTransRef" nillable="true" type="tns1:string"/>
          <element name="terminalId" nillable="true" type="tns1:string"/>
          <element name="productCode" nillable="true" type="tns1:string"/>
          <element name="msisdn" nillable="true" type="tns1:string"/>
          <element name="transDateTime" nillable="true" type="tns1:string"/>
          <element name="transTraceld" type="xsd:int"/>
          <element name="customField1" nillable="true" type="tns1:string"/>
          <element name="customField2" nillable="true" type="tns1:string"/>
          <element name="customField3" nillable="true" type="tns1:string"/>
          <element name="customField4" nillable="true" type="tns1:string"/>
          <element name="customField5" nillable="true" type="tns1:string"/>
          <element name="macing" nillable="true" type="tns1:string"/>
        </sequence>
      </complexType>
      <complexType name="ResponseMsg">
        <sequence>
          <element name="amount" nillable="true" type="tns1:string"/>
          <element name="pin" nillable="true" type="tns1:string"/>
          <element name="pinExpiryDate" nillable="true" type="tns1:string"/>
          <element name="productCode" nillable="true" type="tns1:string"/>
          <element name="responseCode" nillable="true" type="tns1:string"/>
          <element name="responseMsg" nillable="true" type="tns1:string"/>
          <element name="retTransRef" nillable="true" type="tns1:string"/>
          <element name="terminalId" nillable="true" type="tns1:string"/>
          <element name="transRef" nillable="true" type="tns1:string"/>
          <element maxOccurs="1" minOccurs="0" name="customField1" nillable="true"
type="tns1:string"/>
          <element maxOccurs="1" minOccurs="0" name="customField2" nillable="true"
type="tns1:string"/>
          <element maxOccurs="1" minOccurs="0" name="customField3" nillable="true"
type="tns1:string"/>
          <element maxOccurs="1" minOccurs="0" name="customField4" nillable="true"
type="tns1:string"/>
          <element maxOccurs="1" minOccurs="0" name="customField5" nillable="true"
type="tns1:string"/>
        </sequence>
      </complexType>
    </schema>
  </wsdl:types>
</wsdl:definitions>

```



```
<element maxOccurs="1" minOccurs="0" name="macing" nillable="true" type="tns:string"/>
</sequence>
</complexType>
<element name="fault" type="xsd:anyType"/>
<element name="onlinePIN">
  <complexType>
    <sequence>
      <element name="in0" type="impl:RequestMsg"/>
    </sequence>
  </complexType>
</element>
<element name="onlinePINResponse">
  <complexType>
    <sequence>
      <element name="onlinePINReturn" type="impl:ResponseMsg"/>
    </sequence>
  </complexType>
</element>
<element name="onlinePINReversal">
  <complexType>
    <sequence>
      <element name="in0" type="impl:RequestMsg"/>
    </sequence>
  </complexType>
</element>
<element name="onlinePINReversalResponse">
  <complexType>
    <sequence>
      <element name="onlinePINReversalReturn" type="impl:ResponseMsg"/>
    </sequence>
  </complexType>
</element>
<element name="onlinePINVoid">
  <complexType>
    <sequence>
      <element name="in0" type="impl:RequestMsg"/>
    </sequence>
  </complexType>
</element>
<element name="onlinePINVoidResponse">
  <complexType>
    <sequence>
      <element name="onlinePINVoidReturn" type="impl:ResponseMsg"/>
    </sequence>
  </complexType>
</element>
<element name="etopup">
  <complexType>
    <sequence>
      <element name="in0" type="impl:RequestMsg"/>
    </sequence>
  </complexType>
</element>
```



```
<element name="etopupResponse">
  <complexType>
    <sequence>
      <element name="etopupReturn" type="impl:ResponseMsg"/>
    </sequence>
  </complexType>
</element>
<element name="etopupReversal">
  <complexType>
    <sequence>
      <element name="in0" type="impl:RequestMsg"/>
    </sequence>
  </complexType>
</element>
<element name="etopupReversalResponse">
  <complexType>
    <sequence>
      <element name="etopupReversalReturn" type="impl:ResponseMsg"/>
    </sequence>
  </complexType>
</element>
<element name="etopupVoid">
  <complexType>
    <sequence>
      <element name="in0" type="impl:RequestMsg"/>
    </sequence>
  </complexType>
</element>
<element name="etopupVoidResponse">
  <complexType>
    <sequence>
      <element name="etopupVoidReturn" type="impl:ResponseMsg"/>
    </sequence>
  </complexType>
</element>
<element name="networkCheck">
  <complexType>
    <sequence>
      <element name="in0" type="impl:RequestMsg"/>
    </sequence>
  </complexType>
</element>
<element name="networkCheckResponse">
  <complexType>
    <sequence>
      <element name="networkCheckReturn" type="impl:ResponseMsg"/>
    </sequence>
  </complexType>
</element>
</schema>
</wsdl:types>

<wsdl:message name="etopupVoidResponse">
```



```
<wsdl:part element="impl:etopupVoidResponse" name="parameters"/>
</wsdl:message>
<wsdl:message name="etopupResponse">
  <wsdl:part element="impl:etopupResponse" name="parameters"/>
</wsdl:message>
<wsdl:message name="networkCheckRequest">
  <wsdl:part element="impl:networkCheck" name="parameters"/>
</wsdl:message>
<wsdl:message name="onlinePINReversalResponse">
  <wsdl:part element="impl:onlinePINReversalResponse" name="parameters"/>
</wsdl:message>
<wsdl:message name="onlinePINReversalRequest">
  <wsdl:part element="impl:onlinePINReversal" name="parameters"/>
</wsdl:message>
<wsdl:message name="onlinePINResponse">
  <wsdl:part element="impl:onlinePINResponse" name="parameters"/>
</wsdl:message>
<wsdl:message name="onlinePINRequest">
  <wsdl:part element="impl:onlinePIN" name="parameters"/>
</wsdl:message>
<wsdl:message name="etopupReversalResponse">
  <wsdl:part element="impl:etopupReversalResponse" name="parameters"/>
</wsdl:message>
<wsdl:message name="etopupRequest">
  <wsdl:part element="impl:etopup" name="parameters"/>
</wsdl:message>
```



```
<wsdl:message name="networkCheckResponse">
  <wsdl:part element="impl:networkCheckResponse" name="parameters"/>
</wsdl:message>

<wsdl:message name="etopupReversalRequest">
  <wsdl:part element="impl:etopupReversal" name="parameters"/>
</wsdl:message>

<wsdl:message name="etopupVoidRequest">
  <wsdl:part element="impl:etopupVoid" name="parameters"/>
</wsdl:message>

<wsdl:message name="ConfigurationException">
  <wsdl:part element="impl:fault" name="fault"/>
</wsdl:message>

<wsdl:message name="onlinePINVoidRequest">
  <wsdl:part element="impl:onlinePINVoid" name="parameters"/>
</wsdl:message>

<wsdl:message name="onlinePINVoidResponse">
  <wsdl:part element="impl:onlinePINVoidResponse" name="parameters"/>
</wsdl:message>

<wsdl:portType name="oglws">
  <wsdl:operation name="onlinePIN">
    <wsdl:input message="impl:onlinePINRequest" name="onlinePINRequest"/>
    <wsdl:output message="impl:onlinePINResponse" name="onlinePINResponse"/>
    <wsdl:fault message="impl:ConfigurationException" name="ConfigurationException"/>
  </wsdl:operation>

  <wsdl:operation name="onlinePINReversal">
    <wsdl:input message="impl:onlinePINReversalRequest"
name="onlinePINReversalRequest"/>
```




```
<wsdl:output message="impl:onlinePINReversalResponse"
name="onlinePINReversalResponse"/>

<wsdl:fault message="impl:ConfigurationException" name="ConfigurationException"/>

</wsdl:operation>

<wsdl:operation name="onlinePINVoid">

<wsdl:input message="impl:onlinePINVoidRequest" name="onlinePINVoidRequest"/>

<wsdl:output message="impl:onlinePINVoidResponse" name="onlinePINVoidResponse"/>

<wsdl:fault message="impl:ConfigurationException" name="ConfigurationException"/>

</wsdl:operation>

<wsdl:operation name="etopup">

<wsdl:input message="impl:etopupRequest" name="etopupRequest"/>

<wsdl:output message="impl:etopupResponse" name="etopupResponse"/>

<wsdl:fault message="impl:ConfigurationException" name="ConfigurationException"/>

</wsdl:operation>

<wsdl:operation name="etopupReversal">

<wsdl:input message="impl:etopupReversalRequest" name="etopupReversalRequest"/>

<wsdl:output message="impl:etopupReversalResponse"
name="etopupReversalResponse"/>

<wsdl:fault message="impl:ConfigurationException" name="ConfigurationException"/>

</wsdl:operation>

<wsdl:operation name="etopupVoid">

<wsdl:input message="impl:etopupVoidRequest" name="etopupVoidRequest"/>

<wsdl:output message="impl:etopupVoidResponse" name="etopupVoidResponse"/>

<wsdl:fault message="impl:ConfigurationException" name="ConfigurationException"/>

</wsdl:operation>

<wsdl:operation name="networkCheck">

<wsdl:input message="impl:networkCheckRequest" name="networkCheckRequest"/>

<wsdl:output message="impl:networkCheckResponse" name="networkCheckResponse"/>
```



```
<wsdl:fault message="impl:ConfigurationException" name="ConfigurationException"/>
</wsdl:operation>
</wsdl:portType>
<wsdl:binding name="oglwsSoapBinding" type="impl:oglws">
  <wsdlsoap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="onlinePIN">
    <wsdlsoap:operation soapAction=""/>
    <wsdl:input name="onlinePINRequest">
      <wsdlsoap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="onlinePINResponse">
      <wsdlsoap:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ConfigurationException">
      <wsdlsoap:fault name="ConfigurationException" use="literal"/>
    </wsdl:fault>
  </wsdl:operation>
  <wsdl:operation name="onlinePINReversal">
    <wsdlsoap:operation soapAction=""/>
    <wsdl:input name="onlinePINReversalRequest">
      <wsdlsoap:body use="literal"/>
    </wsdl:input>
    <wsdl:output name="onlinePINReversalResponse">
      <wsdlsoap:body use="literal"/>
    </wsdl:output>
    <wsdl:fault name="ConfigurationException">
```



```
<wsdlsoap:fault name="ConfigurationException" use="literal"/>

</wsdl:fault>

</wsdl:operation>

<wsdl:operation name="onlinePINVoid">

  <wsdlsoap:operation soapAction=""/>

  <wsdl:input name="onlinePINVoidRequest">

    <wsdlsoap:body use="literal"/>

  </wsdl:input>

  <wsdl:output name="onlinePINVoidResponse">

    <wsdlsoap:body use="literal"/>

  </wsdl:output>

  <wsdl:fault name="ConfigurationException">

    <wsdlsoap:fault name="ConfigurationException" use="literal"/>

  </wsdl:fault>

</wsdl:operation>

<wsdl:operation name="etopup">

  <wsdlsoap:operation soapAction=""/>

  <wsdl:input name="etopupRequest">

    <wsdlsoap:body use="literal"/>

  </wsdl:input>

  <wsdl:output name="etopupResponse">

    <wsdlsoap:body use="literal"/>

  </wsdl:output>

  <wsdl:fault name="ConfigurationException">

    <wsdlsoap:fault name="ConfigurationException" use="literal"/>

  </wsdl:fault>

</wsdl:operation>
```



```
<wsdl:operation name="etopupReversal">
  <wsdlsoap:operation soapAction=""/>
  <wsdl:input name="etopupReversalRequest">
    <wsdlsoap:body use="literal"/>
  </wsdl:input>
  <wsdl:output name="etopupReversalResponse">
    <wsdlsoap:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ConfigurationException">
    <wsdlsoap:fault name="ConfigurationException" use="literal"/>
  </wsdl:fault>
</wsdl:operation>

<wsdl:operation name="etopupVoid">
  <wsdlsoap:operation soapAction=""/>
  <wsdl:input name="etopupVoidRequest">
    <wsdlsoap:body use="literal"/>
  </wsdl:input>
  <wsdl:output name="etopupVoidResponse">
    <wsdlsoap:body use="literal"/>
  </wsdl:output>
  <wsdl:fault name="ConfigurationException">
    <wsdlsoap:fault name="ConfigurationException" use="literal"/>
  </wsdl:fault>
</wsdl:operation>

<wsdl:operation name="networkCheck">
  <wsdlsoap:operation soapAction=""/>
```



```
<wsdl:input name="networkCheckRequest">
  <wsdlsoap:body use="literal"/>
</wsdl:input>
<wsdl:output name="networkCheckResponse">
  <wsdlsoap:body use="literal"/>
</wsdl:output>
<wsdl:fault name="ConfigurationException">
  <wsdlsoap:fault name="ConfigurationException" use="literal"/>
</wsdl:fault>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="OglWsService">
  <wsdl:port binding="impl:oglwsSoapBinding" name="oglws">
    <wsdlsoap:address
location="https://wstest.oriongateway.com:22837/willani/services/oglws"/>
  </wsdl:port>
</wsdl:service>
</wsdl:definitions>
```



18 Sample Message

Product: DIGI

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<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>
    <ns1:onlinePIN soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="urn:EPAYIBWS">
      <in0 xsi:type="ns2:RequestMsg" xmlns:ns2="urn:oglws">
        <amount>1000</amount>
        <merchantId>599999</merchantId>
        <operatorId>IBS</operatorId>
        <orgTransRef xsi:nil="true"/>
        <retTransRef>100707Test1</retTransRef>
        <terminalId>80000649</terminalId>
        <productCode>DIGI</productCode>
        <msisdn xsi:nil="true"/>
        <transDateTime>100707182212</transDateTime>
        <transTraceId>0</transTraceId>
        <customField1 xsi:nil="true"/>
        <customField2 xsi:nil="true"/>
        <customField3 xsi:nil="true"/>
        <customField4 xsi:nil="true"/>
        <customField5 xsi:nil="true"/>
      </in0>
    </ns1:onlinePIN>
  </soapenv:Body>
</soapenv:Envelope>
```

Success Reponse Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<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>
    <onlinePINResponse xmlns="urn:EPAYIBWS">
      <onlinePINReturn>
        <amount xsi:type="xsd:string">1000</amount>
        <pin xsi:type="xsd:string">706886118</pin>
        <pinExpiryDate xsi:type="xsd:string">071018</pinExpiryDate>
        <productCode xsi:type="xsd:string">DIGI</productCode>
        <responseCode xsi:type="xsd:string">00</responseCode>
        <responseMsg xsi:type="xsd:string"/>
        <retTransRef xsi:type="xsd:string">100707Test1</retTransRef>
        <terminalId xsi:type="xsd:string">80000649</terminalId>
        <transRef xsi:type="xsd:string">0001460800044593</transRef>
      </onlinePINReturn>
    </onlinePINResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Product: DIGI

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<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>
    <ns1:onlinePIN soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="urn:EPAYIBWS">
      <in0 xsi:type="ns2:RequestMsg" xmlns:ns2="urn:oglws">
        <amount>1200</amount>
        <merchantId>599999</merchantId>
        <operatorId>IBS</operatorId>
        <orgTransRef xsi:nil="true"/>
        <retTransRef>100707Test2</retTransRef>
        <terminalId>80000649</terminalId>
        <productCode>DIGI</productCode>
        <msisdn xsi:nil="true"/>
      </in0>
    </ns1:onlinePIN>
  </soapenv:Body>
</soapenv:Envelope>
```



<pre> <transDateTime>100707183031</transDateTime> <transTraceId>0</transTraceId> <customField1 xsi:nil="true"/> <customField2 xsi:nil="true"/> <customField3 xsi:nil="true"/> <customField4 xsi:nil="true"/> <customField5 xsi:nil="true"/> </in0> </ns1:onlinePIN> </soapenv:Body> </soapenv:Envelope> </pre>
<p>Fail Response Message:</p> <pre> <?xml version="1.0" encoding="UTF-8"?> <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> <onlinePINResponse xmlns="urn:EPAYIBWS"> <onlinePINReturn> <amount xsi:type="xsd:string">1200</amount> <pin xsi:nil="true"/> <pinExpiryDate xsi:nil="true"/> <productCode xsi:type="xsd:string">DIGI</productCode> <responseCode xsi:type="xsd:string">83</responseCode> <responseMsg xsi:type="xsd:string">NO PRODUCT FOUND</responseMsg> <retTransRef xsi:type="xsd:string">100707Test2</retTransRef> <terminalId xsi:type="xsd:string">80000649</terminalId> <transRef xsi:nil="true"/> </onlinePINReturn> </onlinePINResponse> </soapenv:Body> </soapenv:Envelope> </pre>
<p>Product: ITALKMOBILE</p> <p>Request Message:</p> <pre> <?xml version="1.0" encoding="UTF-8"?> <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> <ns1:onlinePIN soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="urn:EPAYIBWS"> <in0 xsi:type="ns2:RequestMsg" xmlns:ns2="urn:oglws"> <amount>1000</amount> <merchantId>599999</merchantId> <operatorId>IBS</operatorId> <orgTransRef xsi:nil="true"/> <retTransRef>100707Test11</retTransRef> <terminalId>80000649</terminalId> <productCode>ITALKMOBILE</productCode> <msisdn xsi:nil="true"/> <transDateTime>100707190057</transDateTime> <transTraceId>0</transTraceId> <customField1>Custom1</customField1> <customField2>Custom2</customField2> <customField3 xsi:nil="true"/> <customField4 xsi:nil="true"/> <customField5 xsi:nil="true"/> </in0> </ns1:onlinePIN> </soapenv:Body> </soapenv:Envelope> </pre> <p>Success Response Message:</p> <pre> <?xml version="1.0" encoding="UTF-8"?> <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> </pre>



<pre><onlinePINResponse xmlns="urn:EPAYIBWS"> <onlinePINReturn> <amount xsi:type="xsd:string">1000</amount> <pin xsi:type="xsd:string">269810195</pin> <pinExpiryDate xsi:type="xsd:string">080630</pinExpiryDate> <productCode xsi:type="xsd:string">ITALKMOBILE</productCode> <responseCode xsi:type="xsd:string">00</responseCode> <responseMsg xsi:type="xsd:string"/> <retTransRef xsi:type="xsd:string">100707Test11</retTransRef> <terminalId xsi:type="xsd:string">80000649</terminalId> <transRef xsi:type="xsd:string">0101091087</transRef> <customField1 xsi:type="xsd:string">Custom1_R</customField1> <customField2 xsi:type="xsd:string">Custom2_R</customField2> </onlinePINReturn> </onlinePINResponse> </soapenv:Body> </soapenv:Envelope></pre>
<p>Product: ITALKMOBILE</p> <p>Request Message:</p> <pre><?xml version="1.0" encoding="UTF-8"?> <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> <ns1:onlinePIN soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="urn:EPAYIBWS"> <in0 xsi:type="ns2:RequestMsg" xmlns:ns2="urn:oglws"> <amount>1000</amount> <merchantId>599999</merchantId> <operatorId>IBS</operatorId> <orgTransRef xsi:nil="true"/> <retTransRef>100707Test4</retTransRef> <terminalId>80000649</terminalId> <productCode>ITALKMOBILE</productCode> <msisdn xsi:nil="true"/> <transDateTime>100707183347</transDateTime> <transTraceId>0</transTraceId> <customField1 xsi:nil="true"/> <customField2 xsi:nil="true"/> <customField3 xsi:nil="true"/> <customField4 xsi:nil="true"/> <customField5 xsi:nil="true"/> </in0> </ns1:onlinePIN> </soapenv:Body> </soapenv:Envelope></pre> <p>Fail Response Message:</p> <pre><?xml version="1.0" encoding="UTF-8"?> <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> <onlinePINResponse xmlns="urn:EPAYIBWS"> <onlinePINReturn> <amount xsi:type="xsd:string">1000</amount> <pin xsi:nil="true"/> <pinExpiryDate xsi:nil="true"/> <productCode xsi:type="xsd:string">ITALKMOBILE</productCode> <responseCode xsi:type="xsd:string">99</responseCode> <responseMsg xsi:type="xsd:string">TRANSACTION FAILED</responseMsg> <retTransRef xsi:type="xsd:string">100707Test4</retTransRef> <terminalId xsi:type="xsd:string">80000649</terminalId> <transRef xsi:nil="true"/> </onlinePINReturn> </onlinePINResponse> </soapenv:Body> </soapenv:Envelope></pre>



Product: ASTRO

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<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>
    <ns1:etopup soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="urn:EPAYIBWS">
      <in0 xsi:type="ns2:RequestMsg" xmlns:ns2="urn:oglws">
        <amount>1800</amount>
        <merchantId>599999</merchantId>
        <operatorId>IBS</operatorId>
        <orgTransRef xsi:nil="true"/>
        <retTransRef>100707Test8</retTransRef>
        <terminalId>80000649</terminalId>
        <productCode>ASTRO</productCode>
        <msisdn>0812345678</msisdn>
        <transDateTime>100707184031</transDateTime>
        <transTraceId>0</transTraceId>
        <customField1 xsi:nil="true"/>
        <customField2 xsi:nil="true"/>
        <customField3 xsi:nil="true"/>
        <customField4 xsi:nil="true"/>
        <customField5 xsi:nil="true"/>
      </in0>
    </ns1:etopup>
  </soapenv:Body>
</soapenv:Envelope>
```

Success Response Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<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>
    <etopupResponse xmlns="urn:EPAYIBWS">
      <etopupReturn>
        <amount xsi:type="xsd:string">1800</amount>
        <pin xsi:nil="true"/><pinExpiryDate xsi:nil="true"/>
        <productCode xsi:type="xsd:string">ASTRO</productCode>
        <responseCode xsi:type="xsd:string">00</responseCode>
        <responseMsg xsi:type="xsd:string"/>
        <retTransRef xsi:type="xsd:string">100707Test8</retTransRef>
        <terminalId xsi:type="xsd:string">80000649</terminalId>
        <transRef xsi:type="xsd:string">EPAST0000443</transRef>
      </etopupReturn>
    </etopupResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

Product: ASTRO

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<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>
    <ns1:etopup soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="urn:EPAYIBWS">
      <in0 xsi:type="ns2:RequestMsg" xmlns:ns2="urn:oglws">
        <amount>1800</amount>
        <merchantId>599999</merchantId>
        <operatorId>IBS</operatorId>
        <orgTransRef xsi:nil="true"/>
        <retTransRef>100707Test9</retTransRef>
        <terminalId>80000649</terminalId>
        <productCode>ASTRO</productCode>
        <msisdn>0712345678</msisdn>
        <transDateTime>100707184128</transDateTime>
        <transTraceId>0</transTraceId>
      </in0>
    </ns1:etopup>
  </soapenv:Body>
</soapenv:Envelope>
```



```
<customField1 xsi:nil="true"/>
<customField2 xsi:nil="true"/>
<customField3 xsi:nil="true"/>
<customField4 xsi:nil="true"/>
<customField5 xsi:nil="true"/>
</in0>
</ns1:etopup>
</soapenv:Body>
</soapenv:Envelope>

Fail Response Message:
<?xml version="1.0" encoding="UTF-8"?>
<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>
    <etopupResponse xmlns="urn:EPAYIBWS">
      <etopupReturn xmlns>
        <amount xsi:type="xsd:string">1800</amount>
        <pin xsi:nil="true"/><pinExpiryDate xsi:nil="true"/>
        <productCode xsi:type="xsd:string">ASTRO</productCode>
        <responseCode xsi:type="xsd:string">83</responseCode>
        <responseMsg xsi:type="xsd:string">NO PRODUCT FOUND</responseMsg>
        <retTransRef xsi:type="xsd:string">100707Test9</retTransRef>
        <terminalId xsi:type="xsd:string">80000649</terminalId>
        <transRef xsi:type="xsd:string"/>
      </etopupReturn>
    </etopupResponse>
  </soapenv:Body>
</soapenv:Envelope>
```



19 Testing Settings for e-pay Web Service

WSDL for e-pay Web Service:

<http://wstest.oriongateway.com:22835/willani/services/oglws?wsdl>

Testing URLs

1. URL with no SSL:

<http://wstest.oriongateway.com:22835/willani/services/oglws>

2. URL with 1 way SSL:

<https://wstest.oriongateway.com:22831/willani/services/oglws>

3. URL with 2 ways SSL:

<https://wstest.oriongateway.com:22832/willani/services/oglws>

Notes: Production is only using 2 ways SSL.

Testing Certificate for both SIT and UAT

1.) Client Testing Certificate with Private Key: **willaniclienttest2.p12**
(Passphrase: **willanitest2**)

2.) Client Testing Certificate with Public Key: **willaniclienttest2.cer**

3.) e-pay Testing Certificate with Public Key: **willani2.cer**

Testing ID

Merchant ID : 912371

Terminal ID : 16561011

Testing Product

Product Code	Denomination	Title	Product Type	
PREPAID MOBILE - MALAYSIA				
CELCOMAIRTIMEST	5.300	Celcom AT 5 (ST)		ETU
CELCOMAIRTIMEST	10.600	Celcom AT 10 (ST)		ETU
CELCOMAIRTIMEST	31.800	Celcom AT 30 (ST)		ETU
CELCOMAIRTIMEST	53.000	Celcom AT 50 (ST)		ETU
CELCOMAIRTIMEST	106.000	Celcom AT 100 (ST)		ETU
CELCOMAIRTIMEST	212.000	Celcom AT 200 (ST)		ETU
DIGIST	5.300	Digi 5 (ST)	PIN	
DIGIST	10.600	Digi 10 (ST)	PIN	



STANDARD SPECIFICATION of e-pay WEB SERVICE

DIGIST	31.800	Digi 30 (ST)	PIN	
DIGIST	53.000	Digi 50 (ST)	PIN	
DIGIST	106.000	Digi 100 (ST)	PIN	
MAXISHOTLINKST	10.600	Hotlink 10 (ST)		ETU
MAXISHOTLINKST	21.200	Hotlink 20 (ST)		ETU
MAXISHOTLINKST	31.800	Hotlink 30 (ST)		ETU
MAXISHOTLINKST	63.600	Hotlink 60 (ST)		ETU
MAXISHOTLINKST	106.000	Hotlink 100 (ST)		ETU
IDD & STD				
ITALKMOBILEST	10.000	iTalk Mobile 10 (ST)	PIN	
ITALKMOBILEST	30.000	iTalk Mobile 30 (ST)	PIN	
ITALKMOBILEST	50.000	iTalk Mobile 50 (ST)	PIN	
OTHERS				
ASTRO	0.000 – 500.000	Astro Bill Payment		ETU

Testing FTP Site for Recon File Upload

FTP Site: <ftp.epay-asia.com>

Port: 21

Username: ftgen@epay-asia.com

Password: ftgen5876