

XML API for E-Wallet Specification

Table of Contents

1	Alipay & WeChatPay & JKOPAY & Hana & e-CNY.....	4
1.1	Sale	4
1.2	Void.....	8
1.3	REFUND.....	10
1.4	Admin Refund.....	12
1.5	Sale Advice.....	14
1.6	REVERSAL	17
1.7	QUERY.....	19
1.8	GET_TOTAL/RECAP/TWO_SETTLE.....	22
2	UnionPay QR.....	24
2.1	SALE	24
2.2	VOID.....	26
2.3	REFUND.....	28
2.4	Sale Advice	30
2.5	REVERSAL	32
3	PayMe	34
3.1	Sale	34
3.2	Void.....	39
3.3	Refund.....	41
3.4	Admin Refund.....	44
3.5	Sale Advice	46
3.6	Reversal.....	49
3.7	QUERY.....	51
3.8	GET_TOTAL/RECAP/TWO_SETTLE.....	54
4	Appendix A	56
4.1	Respond Code.....	56
4.2	Receipt Sample	58
4.3	Exceptional Handling	60
4.3.1	Reversal Approach	60
4.3.2	Sale Advice Approach(obsoleted).....	61
4.3.3	Best Practice(Combine)	62
4.4	Barcode Prefix	63
4.5	Barcode Length.....	63

4.6	RRN generation for sale (except UnionPay QR)	63
4.7	Special Setting in UAT Environment.....	64

Version number	Date	Prepared by	Description
1.0.0	7-July-2020	Richard Ding	Initial release.
1.0.1	5-July-2021	Richard Ding	Revise UnionPay Prefix
1.0.2	18-Aug-2021	Richard Ding	Add PayMe, revise exceptional handling flow
1.0.3	18-Mar-2022	Richard Ding	Revised response field in UnionPayQR
1.0.4	29-Apr-2022	Richard Ding	Revised the Date Time format and add UnionPay QR Code length
1.0.5	3-May-2022	Richard Ding	Added API of QUERY & RECAR & GET_TOTAL & TWO_SETTLE
1.0.6	6-May-2022	Richard Ding	Added UAT special setting
1.0.7	21-Dec-2022	Ray Tang	Added UAT special setting - Best Practice
1.0.8	22-Dec-2022	Ray Tang	Revised response field in PayMe: wording ApproCode change to ApprovedNo
1.0.9	29-Jul-2024	Richard Ding	Added e-CNY, added error code 70
1.0.10	6-Jul-2024	Richard Ding	Added JKOPAY and Hana

1 Alipay & WeChatPay & JKOPAY & Hana & e-CNY

1.1 Sale

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <Amount>1020</Amount>
  <TraceNo>000001</TraceNo>
  <CardNo>130415137805729082</CardNo>
  <RefNo>785033484191</RefNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <TransType>SALE</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <Product>
    <ProductID>ABCTV123456</ProductID>
    <Alipay_ProductID> ABCD1234</Alipay_ProductID>
    <ProductName> ABC 40" LED TV BX12349-D </ProductName>
    <Quantity>1</Quantity>
    <UnitPrice>1000000</UnitPrice>
    <ProductCate> Appliances </ProductCate>
  </Product>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents
TraceNo	String (6)	Y	000001	Trace number that is unique in batch
CardNo	String (16..37)	Y	130415137805729082	Barcode
RefNo	String (12)	N	785033484191	Reference number used for Host Record, Generate method shown in Appendix.
ERCRFN	String (6..16)	N	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	Y	SALE	Transactions Type
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145131	Time, format: HHmmss
Product		N		Product Data for item level promotion
ProductID	String (1..32)	Y*	ABCTV123456	Product ID
Alipay_ProductID	String (1..32)	N	ABCD1234	Product ID generated by Alipay
ProductName	String (1..256)	Y*	ABC 40" LED TV BX12349-D	Product Name
Quantity	Int	Y*	1	Product quantity
UnitPrice	Int	Y*	1000000	Product unit price
ProductCate	String (1..32)	N	Appliances	Product category

*Mandatory if **Product** existed.

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <ApproCode>C02346</ApproCode>
  <RefNo>785033484191</RefNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>1020</Amount>
  <TraceNo>000001</TraceNo>
  <CardNo>130415137805729082</CardNo>
  <TransType>SALE</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <CouponAMT>200</CouponAMT>
  <NetAMT>800</NetAMT>
  <OffsetAMT>20</OffsetAMT>
  <TransID>100000000000000000000000002323221</TransID>
  <PayID>sfeff@163.com</PayID>
  <TransRate>1.0765707</TransRate>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
ApproCode	String (6)	S	002346	Approval code
RefNo	String (12)	S	785033484191	Reference number used for Refund
TraceNo	String (6)	A	000001	Trace number that is unique in batch
CardNo	String (16..37)	A	130415137805729082	Barcode
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	SALE	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
CouponAMT	Int	C	200	Coupon amount in cents
NetAMT	Int	C	800	Net amount that is in cents
OffsetAMT	Int	C	20	Discounted amount in cents
TransID	String (0..64)	A		Transaction ID generated by Alipay/WeChat/e-CNY host.
PayID	String (0..64)	C		Account ID of the customer (Alipay only)
TransRate	String (0..18)	S	1.0765707	Transaction exchange rate when using e-CNY

*(A-Always, S-Success only, C-Conditional)

1.2 Void

Request Sample:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <Amount>1020</Amount>
  <OldTraceNo>000001</OldTraceNo>
  <TraceNo>000002</TraceNo>
  <CardNo>130415137805729082</CardNo>
  <TransType>VOID</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145231</TransTime>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents (MUST be equal to SALE)
TraceNo	String (6)	Y	000002	Trace number that is unique in batch
OldTraceNo	String (6)	Y	000001	Original TraceNo
CardNo	String (16..37)	Y	130415137805729082	Barcode (MUST be equal to SALE)
TransType	String (1..12)	Y	VOID	Transactions Type
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145231	Time, format: HHmmss

Response sample:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <RefNo>000000013242</RefNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>1020</Amount>
  <TraceNo>000002</TraceNo>
  <CardNo>130415137805729082</CardNo>
  <TransType>VOID</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <TransID>2018101022001407910596649218</TransID>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
RefNo	String (12)	A	000000013242	Reference Number
TraceNo	String (6)	A	000001	Trace number that is unique in batch
CardNo	String (16..37)	A	130415137805729082	Barcode
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by the merchant as searching key
TransType	String (1..12)	A	VOID	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
TransID	String (0..64)	A		Transaction ID generated by Alipay/WeChat/e-CNY host.

*(A-Always, S-Success only, C-Conditional)

1.3 REFUND

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <Amount>1020</Amount>
  <OldRefNo>000000013242</OldRefNo>
  <TraceNo>000002</TraceNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <TransType>REFUND</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145231</TransTime>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents
TraceNo	String (6)	Y	000002	Trace number that is unique in batch
OldRefNo	String (6)	Y	000000013242	Original reference number
ERCRFN	String (6..16)	N	1234567890121111	ECR Reference, specified by the merchant as searching key
TransType	String (1..12)	Y	REFUND	Transactions Type
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145321	Time, format: HHmmss

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <RefNo>000000013242</RefNo>
  <ApproCode>R96230</ApproCode>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>000000001020</Amount>
  <TraceNo>000002</TraceNo>
  <CardNo>280000000000000000</CardNo>
  <TransType>REFUND</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <TransID>2018101022001407910593942136</TransID>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
RefNo	String (12)	A	000000013242	Reference Number
ApproCode	String(6)	S	R96230	Approval code
TraceNo	String (6)	A	000002	Trace number that is unique in batch
CardNo	String (16..37)	A	280000000000000000	Barcode (Please use Dummy CardNo "2800000000000000" for Refund)
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	REFUND	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
TransID	String (0..64)	A	2018101022001407910593942136	Transaction ID generated by Alipay/WeChat/e-CNY host.
TransRate	String (0..18)	S	1.0765707	Transaction exchange rate when using e-CNY

*(A-Always, S-Success only, C-Conditional)

1.4 Admin Refund

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000002</TID>
  <Amount>1020</Amount>
  <OldRefNo>000000013242</OldRefNo>
  <TraceNo>000002</TraceNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <TransType> ADM_REFUND</TransType>
  <OldTID>00000001</OldTID>
  <TransDate>20160229</TransDate>
  <TransTime>145231</TransTime>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000002	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents
TraceNo	String (6)	Y	000002	Trace number that is unique in batch
OldRefNo	String (6)	Y	000000013242	Original reference number
ERCRFN	String (6..16)	N	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	Y	ADM_REFUND	Transactions Type
OldTID	String (8)	Y	00000001	Original Terminal ID
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145321	Time, format: HHmmss

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <RefNo>000000013242</RefNo>
  <ApproCode>R96230</ApproCode>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>000000001020</Amount>
  <TraceNo>000002</TraceNo>
  <CardNo>280000000000000000</CardNo>
  <TransType>ADM_REFUND</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <TransID>2018101022001407910593942136</TransID>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
RefNo	String (12)	A	000000013242	Reference Number
ApproCode	String(6)	S	R96230	Approval code
TraceNo	String (6)	A	000001	Trace number that is unique in batch
CardNo	String (16..37)	A	280000000000000000	Barcode (Please use Dummy CardNo "2800000000000000" for Refund)
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	ADM_REFUND	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
TransID	String (0..64)	A	2018101022001407910593942136	Transaction ID generated by Alipay/WeChat/e-CNY host.
TransRate	String (0..18)	S	1.0765707	Transaction exchange rate when using e-CNY

*(A-Always, S-Success only, C-Conditional)

1.5 Sale Advice

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <CardNo>280415137805729082</CardNo>
  <TraceNo>000001</TraceNo>
  <RefNo>000001234561</RefNo>
  <ECRRFN>1234567890121111</ECRRFN>
  <TransType>SALE_ADVICE</TransType>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
CardNo	String (16..37)	Y	280415137805729082	Barcode
RefNo	String (12)	Y	000001	Reference no
TraceNo	String (6)	Y	000001	TraceNo
ECRRFN	String (6..16)	N	1234567890121111	Original ECR Reference, specified by merchant as searching key
TransType	String (1..12)	Y	SALE_ADVICE	Transactions Type

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <ApproCode>002346</ApproCode>
  <RefNo>000000013242</RefNo>
  <ECRRFN>1234567890121111</ECRRFN>
  <Amount>000000001020</Amount>
  <TraceNo>000001</TraceNo>
  <TransType>SALE_ADVICE</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <CouponAMT>200</CouponAMT>
  <NetAMT>800</NetAMT>
  <OffsetAMT>20</OffsetAMT>
  <TransID>100000000000000000000000002323221</TransID>
  <PayID>sfeff@163.com</PayID>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	Int	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
ApproCode	String (6)	S	002346	Approval code
RefNo	String (12)	S	000000013242	Reference number used for Refund
TraceNo	String (6)	A	000001	Trace number that is unique in batch
ECRRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	SALE_ADVICE	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
CouponAMT	Int	C	200	Coupon amount in cents
NetAMT	Int	C	800	Net amount that is in cents
OffsetAMT	Int	C	20	Discounted amount in cents
TransID	String (0..64)	A		Transaction ID generated by Alipay/WeChat/e-CNY host.
PayID	String (0..64)	C		Account ID of the customer

*(A-Always, S-Success only, C-Conditional)

1.6 REVERSAL

Request Sample:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <Amount>1020</Amount>
  <RefNo>785033484191</RefNo>
  <TraceNo>000001</TraceNo>
  <CardNo>130415137805729082</CardNo>
  <TransType>REVERSAL</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents (MUST be equal to SALE)
RefNo	String (12)	N	785033484191	MUST be same as SALE. If RefNo exists, TraceNo will discard.
TraceNo	String (6)	Y	000001	Trace number that is unique in batch. (MUST be equal to SALE)
CardNo	String (16..37)	Y	130415137805729082	Barcode (MUST be equal to SALE)
TransType	String (1..12)	Y	REVERSAL	Transactions Type
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145131	Time, format: HHmmss

Response sample:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>1020</Amount>
  <TraceNo>000001</TraceNo>
  <CardNo>130415137805729082</CardNo>
  <TransType>REVERSAL</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
TraceNo	String (6)	A	000001	Trace number that is unique in batch
CardNo	String (16..37)	A	130415137805729082	Barcode
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	REVERSAL	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
TransID	String (0..64)	A	2018101022001407910593942136	Transaction ID generated by Alipay/WeChat/e-CNY host.
TransRate	String (0..18)	S	1.0765707	Transaction exchange rate when using e-CNY

*(A-Always, S-Success only, C-Conditional)

1.7 QUERY

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RefNo>000000013242</RefNo>
  <TransType>QUERY</TransType>
</TxnReq>
```

OR

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <OldTraceNo>000001</OldTraceNo>
  <TransType>QUERY</TransType>
</TxnReq>
```

OR

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <TransType>QUERY</TransType>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
OldTraceNo	String (6)	N	000001	Original trace number that is unique in batch
RefNo	String (12)	N	000000013242	Reference number used for Refund
TransType	String (1..12)	Y	QUERY	Transactions Type

Remark:

- Both RefNo and OldTraceNo can be used for enquiry. If OldTraceNo is used, the enquiry result will only be within the same day.
- If both RefNo and OldTraceNo are provided, RefNo will be used for enquiry and ignore the OldTraceNo
- If neither RefNo and OldTraceNo are provided, the last transaction of the day will be returned. If there is no transaction made of the day, error code 25 will be returned.

- RefNo 及 OldTraceNo 皆可用作查詢交易。
- 如果 RefNo 及 OldTraceNo 同時提供，則 RefNo 會被用作參考而 OldTraceNo 則不作理會。
- 如果要查詢上一單交易，則不要提供 RefNo 及 TraceNo。如果當天並沒有交易記錄，則系統會回傳 25 錯誤碼。

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <ApproCode>002346</ApproCode>
  <RefNo>000000013242</RefNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>1020</Amount>
  <TraceNo>000001</TraceNo>
  <CardNo>8000000000000000</CardNo>
  <TransType>QUERY</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <CouponAMT>200</CouponAMT>
  <NetAMT>800</NetAMT>
  <OffsetAMT>20</OffsetAMT>
  <TransID>100000000000000000000000002323221</TransID>
  <Status>00</Status>
  <PayID>sfeff@163.com</PayID>
</TxnResp>
```

1.8 GET_TOTAL/RECAP/TWO_SETTLE

The difference between GET_TOTAL and RECAP/TWO_SETTLE is that using RECAP/TWO_SETTLE will clear the batch and should be used at day end. GET_TOTAL can be used to get the transaction lump sum without clearing the batch. GET_TOTAL 及 RECAP/TWO_SETTLE 的分別在於使用 RECAP/TWO_SETTLE 會將批次清除，應在店舖關門後使用。GET_TOTAL 則只回傳總數而不作清除批次。

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <TraceNo>000001</TraceNo>
  <TransType>RECAP</TransType>
</TxnReq>
```

OR

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <TraceNo>000001</TraceNo>
  <TransType>TWO_SETTLE</TransType>
</TxnReq>
```

OR

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <TraceNo>000001</TraceNo>
  <TransType>GET_TOTAL</TransType>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
TraceNo	String (6)	Y	000001	Trace Number
TransType	String (1..12)	Y	RECAP TWO_SETTLE GET_TOTAL	Transactions Type

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <TransType>RECAP</TransType>
  <TransDate>20161101</TransDate>
  <TransTime>152412</TransTime>
  <TotalSaleAmt>000000000102000</TotalSaleAmt >
  <TotalSaleCnt >000010</TotalSaleCnt >
  <TotalRefundAmt >000000000100000</TotalRefundAmt >
  <TotalRefundCnt>000001</TotalRefundCnt >
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
TransType	String (10)	A	RECAP TWO_SETTLE GET_TOTAL	Transaction Type: RECAP TWO_SETTLE GET_TOTAL
TransDate	String (8)	A	20161101	Date, format: YYYYMMDD
TransTime	String (6)	A	152412	Time, format: HHmmss
TotalSaleAmt	Int	A	000000000102000	Total Sale Amount
TotalSaleCnt	Int	A	10	Total Sale Count
TotalRefundAmt	Int	A	000000000100000	Total Refund Amount
TotalRefundCnt	Int	A	000001	Total Refund Count

*(A-Always, S-Success only, C-Conditional)

2 UnionPay QR

2.1 SALE

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>68520007964</MID>
  <TID>77001231</TID>
  <TraceNo>000001</TraceNo>
  <Amount>100</Amount>
  <QrCode>hQVDUFYwMWFRTwigAAADMwEBAIcMYmNgA1CVFyX
VASIBYzOCAgAAAnxARBwEBA6AAAAEIMDAyNTAwMDGfJghW+y4b
XEuOxJ8nAYCfNgL/HZ83BHV8Py1fNAEB</QrCode>
  <TransType>SALE</TransType>
</TxnReq>
```

Variable Name	Type	Mandatory?	Sample	Description
MID	String(15)	Y	68520007964	Merchant ID
TID	String(8)	Y	77001231	Terminal ID
TraceNo	String(6)	Y	000001	Original trace number that is unique in batch
Amount	String	Y	100	Payment amount with handling fee in HKD in cents
QrCode	String(0...130)	Y	hQVDUFYwMWFRTwigAAADMwEBAVcOYhYmEAAAAAJIXVASIB9jM4ICAACfEBEHAQEDoAAAAQg5MDg4MDAxOZ8mCFZUacwwOcjKnycBgJ82AtBZnzcEXmC2xl80AQE	CUP QR code string
TransType	String(1..12)	Y	SALE	Transactions Type

*(A-Always, S-Success only, C-Conditional)

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <TransType>SALE</TransType>
  <MID>68520007964</MID>
  <TID>77001231</TID>
  <TransDate>0213</TransDate>
  <TransTime>172411</TransTime>
  <TraceNo>000001</TraceNo>
  <Amount>000000000100</Amount>
  <ApprovedNo>S02474</ApprovedNo>
  <RefNo>181023180926</RefNo>
  <TransactionAmount>000000000098</TransactionAmount>
  <CardHolderCurrencyCode>156</CardHolderCurrencyCode>
  <RespCode>00</RespCode>
  <PAN>625172*****0113</PAN>
  <VoucherNo>72190709418755089521</VoucherNo>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
TransType	String(1..12)	A	SALE	Transactions Type
MID	String(15)	A	68520007964	Merchant ID
TID	String(8)	A	77001231	Terminal ID
TransDate	String(4)	S	0213	Date, format: MMDD
TransTime	String(6)	S	172411	Time, format: HHmmss
TraceNo	String(6)	A	000001	Trace number that is unique in batch
Amount	Int	S	000000000100	Payment amount with handling fee in HKD in cents
TransactionAmount	String	S	000000000098	After currency conversion in RMB
ApprovedNo	String(6)	S	S02474	
RefNo	String(12)	A	181023180926	Reference number used for QUERY
RespCode	String(2)	A	00	Response Code, "00": approved, other values indicated failed
PAN	String(1..25)	A	625172*****0113	PAN(CardNumber)
CouponAMT	Int	C	000000005000	Coupon amount in cents (UPLAN 優計劃)
OffsetAMT	Int	C	000000005000	Discounted amount in cents (立減)
NetAMT	Int	C	000000015000	Net amount that is in cents
VoucherNo	String	S	72190709418755089521	Order number

*(A-Always, S-Success only, C-Conditional)

2.2 VOID

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>68520007964</MID>
  <TID>77001231</TID>
  <TraceNo>000002</TraceNo>
  <QrCode>
hQVDUFYwMWFRTwigAAADMwEBAlcMYmNgA1CVFyXVASIBYzOCA
gAAAnxARBwEBA6AAAAEIMDayNTAwMDGfJghW+y4bXEuOxJ8nAY
CfNgL/HZ83BHV8Py1fNAEB </QrCode>
  <Amount>100</Amount>
  <OriginalTraceNo>000001</OriginalTraceNo>
  <TransType>VOID</TransType>
</TxnReq>
```

Variable Name	Type	Mandatory?	Sample	Description
MID	String(15)	Y	68520007964	Merchant ID
TID	String(8)	Y	77001231	Terminal ID
TraceNo	String(6)	Y	000002	trace number
Amount	String	Y	100	Payment amount with handling fee in HKD in cents
QrCode	String(0..130)	Y	hQVDUFYwMWFRTwigAAADMwEBAlcMYmNgA1CVFyXVASIBYzOCAgAAAnxARBwEBA6AAAAEIMDayNTAwMDGfJghW+y4bXEuOxJ8nAYCfNgL/HZ83BHV8Py1fNAEB	Original CUP QR code string
OriginalTraceNo	String(0..6)	Y	000001	Original traceno, specified by merchant as searching key
TransType	String(1..12)	Y	VOID	Transactions Type

*(A-Always, S-Success only, C-Conditional)

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <TransType>VOID</TransType>
  <MID>68520007964</MID>
  <TID>77001231</TID>
  <TransDate>0213</TransDate>
  <TransTime>172411</TransTime>
  <TraceNo>000001</TraceNo>
  <Amount>000000000100</Amount>
  <RefNo>181023180926</RefNo>
  <RespCode>00</RespCode>
  <PAN>625172*****0113</PAN>
  <VoucherNo>72190709418755089521</VoucherNo>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
TransType	String(1..12)	A	VOID	Transactions Type
MID	String(15)	A	68520007964	Merchant ID
TID	String(8)	A	77001231	Terminal ID
TransDate	String(4)	S	0213	Date, format: MMDD
TransTime	String(6)	S	172411	Time, format: HHmmss
TraceNo	String(6)	A	000001	Trace number that is unique in batch
Amount	Int	S	000000000100	Payment amount with handling fee in HKD in cents
RefNo	String(12)	A	181023180926	Reference number used for QUERY
RespCode	String(2)	A	00	Response Code, "00":approved, other values indicated failed
PAN	String(1..25)	A	625172*****0113	PAN(CardNumber)
VoucherNo	String	S	72190709418755089521	

*(A-Always, S-Success only, C-Conditional)

2.3 REFUND

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>68520007964</MID>
  <TID>77001231</TID>
  <TraceNo>000001</TraceNo>
  <Amount>100</Amount>
  <OriginalVoucherNo>64190709608636499511</OriginalVoucherNo>
>
  <TransType>REFUND</TransType>
</TxnReq>
```

Variable Name	Type	Mandatory?	Sample	Description
MID	String(15)	Y	68520007964	Merchant ID
TID	String(8)	Y	77001231	Terminal ID
TraceNo	String(6)	Y	000001	trace number
Amount	String	Y	100	Payment amount with handling fee in HKD in cents
OriginalVoucherNo	String(0...20)	Y	64190709608636499511	Original VoucherNo, specified by merchant as searching key
TransType	String(1..12)	Y	REFUND	Transactions Type

*(A-Always, S-Success only, C-Conditional)

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
<TransType>REFUND</TransType>
  <MID>68520007964</MID>
  <TID>77001231</TID>
  <TransDate>0213</TransDate>
  <TransTime>172411</TransTime>
  <TraceNo>000001</TraceNo>
  <Amount>000000000100</Amount>
  <ApprovedNo>S02474</ApprovedNo>
  <RefNo>181023180926</RefNo>
  <RespCode>00</RespCode>
  <VoucherNo>72190709418755089521</VoucherNo>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
TransType	String(1..12)	A	REFUND	Transactions Type
MID	String(15)	A	68520007964	Merchant ID
TID	String(8)	A	77001231	Terminal ID
TransDate	String(4)	S	0213	Date, format: MMDD
TransTime	String(6)	S	172411	Time, format: HHmmss
TraceNo	String(6)	A	000001	Trace number that is unique in batch
Amount	Int	S	000000000100	Payment amount with handling fee in HKD in cents
ApproveNo	String(6)	S	R02474	
RefNo	String(12)	A	181023180926	Reference number used for QUERY
RespCode	String(2)	A	00	Response Code, "00":approved, other values indicated failed
VoucherNo	String	S	72190709418755089521	

*(A-Always, S-Success only, C-Conditional)

2.4 Sale Advice

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>852500800000002</MID>
  <TID>00000001</TID>
  <TraceNo>000002</TraceNo>
  <OrgTraceNo>000001</OrgTraceNo>
  <TransType>SALE_ADVICE</TransType>
</TxnReq>
```

Variable Name	Type	Mandatory?	Sample	Description
MID	String(15)	Y	852500800000002	Merchant ID
TID	String(8)	Y	00000001	Terminal ID
TraceNo	String(6)	Y	000001	Trace number
OrgTraceNo	String(6)	C	000002	Original trace number, (OrginalTraceNo)
TransType	String(1..12)	Y	SALE_ADVICE	Transactions Type

*(A-Always, S-Success only, C-Conditional)

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>852500800000002</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <RefNo>181023180926</RefNo>
  <Amount>000000000100</Amount>
  <TraceNo>000001</TraceNo>
  <TransType>SALE_ADVICE</TransType>
  <TransDate>0213</TransDate>
  <TransTime>172411</TransTime>
  <ApprovedNo>S02474</ApprovedNo>
  <TransactionAmount>000000000098</TransactionAmount>
  <CardHolderCurrencyCode>156</CardHolderCurrencyCode>
  <TransactionRespondCode>00</TransactionRespondCode>
  <VoucherNo>72190709418755089521</VoucherNo>
  <Rate>0.8642998</Rate>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String(15)	A	8525008000000002	Merchant ID
TID	String(8)	A	00000001	Terminal ID
Amount	Int	S	000000000100	Payment amount with handling fee in HKD in cents
RespCode	String(2)	A	00	Response Code, "00" or "27": approved
RefNo	String(12)	A	181023180926	Reference number used for QUERY
TraceNo	String(6)	A	000001	Trace number that is unique in batch
TransType	String(1..12)	A	SALE_ADVICE	Transactions Type
TransDate	String(4)	S	0213	Date, format: MMDD
TransTime	String(6)	S	172411	Time, format: HHmmss
ApproveNo	String(6)	S	S02474	
TransactionAmount	String	S	000000000098	After currency conversion in RMB
CardHolderCurrencyCode	String	S	156	
TransactionRespondCode	String	S	00	
CouponAMT	Int	C	000000005000	Coupon amount in cents (UPLAN 優計劃)
OffsetAMT	Int	C	000000005000	Discounted amount in cents (立減)
NetAMT	Int	C	000000015000	Net amount that is in cents
VoucherNo	String	S	72190709418755089521	
Rate	String	S	0.8642998	

*(A-Always, S-Success only, C-Conditional)

2.5 REVERSAL

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>68520007964</MID>
  <TID>77001231</TID>
  <TraceNo>000001</TraceNo>
  <QrCode>
    hQVDUFYwMWFRTwigAAADMwEBAlcMYmNgA1CVFyXVASIBYzOCA
    gAAAnxARBwEBA6AAAAEIMDayNTAwMDGfJghW+y4bXEuOxJ8nAY
    CfNgL/HZ83BHV8Py1fNAEB </QrCode>
  <Amount>100</Amount>
  <TransType>REVERSAL</TransType>
</TxnReq>
```

Variable Name	Type	Mandatory?	Sample	Description
MID	String(15)	Y	68520007964	Merchant ID
TID	String(8)	Y	77001231	Terminal ID
TraceNo	String(6)	Y	000001	Original sale traceno, specified by merchant as searching key
Amount	String	Y	1000	Payment amount with handling fee in HKD in cents
QrCode	String(0..130)	Y	hQVDUFYwMWFRTwigAAADMwEBAlcMYmNgA1CVFyXVASIBYzOCAgAAAnxARBwEBA6AAAAEIMDayNTAwMDGfJghW+y4bXEuOxJ8nAYCfNgL/HZ83BHV8Py1fNAEB	Original sale QR Code, specified by merchant as searching key,
TransType	String(1..12)	Y	REVERSAL	Transactions Type

*(A-Always, S-Success only, C-Conditional)

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <TransType>REVERSAL</TransType>
  <MID>68520007964</MID>
  <TID>77001231</TID>
  <TransDate>0213</TransDate>
  <TransTime>172411</TransTime>
  <TraceNo>000001</TraceNo>
  <Amount>000000000100</Amount>
  <RefNo>181023180926</RefNo>
  <RespCode>00</RespCode>
  <PAN>625172*****0113</PAN>
  <VoucherNo>72190709418755089521</VoucherNo>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
TransType	String(1..12)	A	REVERSAL	Transactions Type
MID	String(15)	A	68520007964	Merchant ID
TID	String(8)	A	77001231	Terminal ID
TransDate	String(4)	S	0213	Date, format: MMDD
TransTime	String(6)	S	172411	Time, format: HHmmss
TraceNo	String(6)	A	000001	Trace number that is unique in batch
Amount	Int	S	000000000100	Payment amount with handling fee in HKD in cents
RefNo	String(12)	A	181023180926	Reference number used for QUERY
RespCode	String(2)	A	00	Response Code, "00":approved, other values indicated failed
PAN	String(1..25)	A	625172*****0113	PAN(CardNumber)
VoucherNo	String	S	72190709418755089521	

*(A-Always, S-Success only, C-Conditional)

3 PayMe

3.1 Sale

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <Amount>1020</Amount>
  <TraceNo>000001</TraceNo>
  <CardNo>804151378057290822</CardNo>
  <RefNo>785033484191</RefNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <TransType>SALE</TransType>
  <TransDate>0229</TransDate>
  <TransTime>145131</TransTime>
  <Product>
    <NumOfProduct>2</ NumOfProduct >
    <ShopCart>
      <ProductID>ABCTV123456</ProductID>
      <ProductName>ABC 40" LED TV BX12349-D </ProductName>
      <Quantity>1</Quantity>
      <UnitPrice>1000000</UnitPrice>
      <ProductCate>Appliances</ProductCate>
      <PC2>TV</PC2>
      <PC3>ABC</PC3>
    </ShopCart>
    <ShopCart>
      <ProductID>GOODTV123456</ProductID>
      <ProductName>GOOD 47" LED TV AX1234 </ProductName>
      <Quantity>1</Quantity>
      <UnitPrice>800000</UnitPrice>
      <ProductCate>Appliances</ProductCate>
      <PC2>TV</PC2>
      <PC3>GOOD</PC3>
    </ShopCart>
  </Product>
  <OrdDesc>Courier Fee</OrdDesc>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents
TraceNo	String (6)	Y	000001	Trace number that is unique in batch
CardNo	String (16..37)	Y	130415137805729082	Barcode
RefNo	String (12)	N	785033484191	Reference number used for Host Record, Generate method shown in Appendix 4.6.
ERCRFN	String (6..16)	N	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	Y	SALE	Transactions Type
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145131	Time, format: HHmmss
Product		N		Product Data for item level promotion
NumOfProduct	String (1..99)	N	2	Number of shopping cart products
ProductID	String (1..32)	Y*	ABCTV123456	Product ID (SKU)
ProductName	String (1..256)	Y*	ABC 40" LED TV BX12349-D	Product Name
Quantity	Int	Y*	1	Product quantity
UnitPrice	Int	Y*	1000000	Product unit price
ProductCate	String (1..32)	N	Appliances	Product category 1
PC2	String (1..32)	N	TV	Product category 2
PC3	String (1..32)	N	ABC	Product category 3

All data and information contained herein and provided by eft Payments (Asia) Limited is considered confidential and proprietary. The data and information contained herein may not be reproduced, published or distributed to, or for, any third parties without the express prior written consent of eft Payments (Asia) Limited.

OrdDesc	String (1..32)	N	Courier Fee	Order Description
----------------	-------------------	---	--------------------	-------------------

*Mandatory if **Product** existed.

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <ApprovedNo>H02346</ApprovedNo>
  <RefNo>785033484191</RefNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>1020</Amount>
  <TraceNo>000001</TraceNo>
  <CardNo>830415137805729082</CardNo>
  <TransType>SALE</TransType>
  <TransDate>0229</TransDate>
  <TransTime>145131</TransTime>
  <CouponAMT>200</CouponAMT>
  <NetAMT>800</NetAMT>
  <OffsetAMT>20</OffsetAMT>
  <TransID>100000000000000000000000002323221</TransID>
  <PayID>sfeff@163.com</PayID>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
ApprovedNo	String (6)	S	002346	Approval number
RefNo	String (12)	S	785033484191	Reference number used for Refund
TraceNo	String (6)	A	000001	Trace number that is unique in batch
CardNo	String (16..37)	A	130415137805729082	Barcode
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	SALE	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
CouponAMT	Int	C	200	Coupon amount in cents
NetAMT	Int	C	800	Net amount that is in cents
OffsetAMT	Int	C	20	Discounted amount in cents
TransID	String (0..64)	A		Transaction ID generated by Alipay/WeChat host.
PayID	String (0..64)	C		Account ID of the customer (Alipay only)

*(A-Always, S-Success only, C-Conditional)

3.2 Void

Request Sample:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <Amount>1020</Amount>
  <OldTraceNo>000001</OldTraceNo>
  <TraceNo>000002</TraceNo>
  <CardNo>830415137805729082</CardNo>
  <TransType>VOID</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145231</TransTime>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents (MUST be equal to SALE)
TraceNo	String (6)	Y	000002	Trace number that is unique in batch
OldTraceNo	String (6)	Y	000001	Original TraceNo
CardNo	String (16..37)	Y	830415137805729082	Barcode (MUST be equal to SALE)
TransType	String (1..12)	Y	VOID	Transactions Type
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145321	Time, format: HHmmss

Response sample:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <RefNo>000000013242</RefNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>1020</Amount>
  <TraceNo>000002</TraceNo>
  <CardNo>830415137805729082</CardNo>
  <TransType>VOID</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <TransID>2018101022001407910596649218</TransID>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
RefNo	String (12)	A	000000013242	Reference Number
TraceNo	String (6)	A	000001	Trace number that is unique in batch
CardNo	String (16..37)	A	130415137805729082	Barcode
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	VOID	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
TransID	String (0..64)	A		Transaction ID generated by Alipay/WeChat host.

*(A-Always, S-Success only, C-Conditional)

3.3 Refund

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <Amount>1020</Amount>
  <OldRefNo>000000013242</OldRefNo>
  <TraceNo>000002</TraceNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <TransType>REFUND</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145231</TransTime>
  <ReasonCode>00</ReasonCode>
  <ReasonMessage>Broken</ReasonMessage>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents
TraceNo	String (6)	Y	000002	Trace number that is unique in batch
OldRefNo	String (6)	Y	000000013242	Original reference number
ERCRFN	String (6..16)	N	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	Y	REFUND	Transactions Type
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145321	Time, format: HHmmss
ReasonCode	String (2)	N	00	PayMe only, Refund reason codes 00: Other 01: Product or service quality 02: Incorrect size 03: Incorrect product delivered

				04: Product did not match expectations 05: Customer does not need it anymore
ReasonMessage	String (1..30)	N	Broken	If reasonCode is 00, a custom ReasonMessage can be submitted

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <RefNo>000000013242</RefNo>
  <ApprovedNo>R96230</ApprovedNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>000000001020</Amount>
  <TraceNo>000002</TraceNo>
  <CardNo>280000000000000000</CardNo>
  <TransType>REFUND</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <TransID>2018101022001407910593942136</TransID>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
RefNo	String (12)	A	000000013242	Reference Number
ApprovedNo	String(6)	S	R96230	Approval number
TraceNo	String (6)	A	000002	Trace number that is unique in batch
CardNo	String (16..37)	A	280000000000000000	Barcode (Please use Dummy CardNo "2800000000000000" for Refund)
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key

All data and information contained herein and provided by eft Payments (Asia) Limited is considered confidential and proprietary. The data and information contained herein may not be reproduced, published or distributed to, or for, any third parties without the express prior written consent of eft Payments (Asia) Limited.

TransType	String (1..12)	A	REFUND	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
TransID	String (0..64)	A	2018101022001407910 593942136	Transaction ID generated by Alipay/WeChat host.

*(A-Always, S-Success only, C-Conditional)

3.4 Admin Refund

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000002</TID>
  <Amount>1020</Amount>
  <OldRefNo>000000013242</OldRefNo>
  <TraceNo>000002</TraceNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <TransType> ADM_REFUND</TransType>
  <OldTID>00000001</OldTID>
  <TransDate>20160229</TransDate>
  <TransTime>145231</TransTime>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000002	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents
TraceNo	String (6)	Y	000002	Trace number that is unique in batch
OldRefNo	String (6)	Y	000000013242	Original reference number
ERCRFN	String (6..16)	N	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	Y	ADM_REFUND	Transactions Type
OldTID	String (8)	Y	00000001	Original Terminal ID
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145231	Time, format: HHmmss

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <RefNo>000000013242</RefNo>
  <ApprovedNo>R96230</ApprovedNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>000000001020</Amount>
  <TraceNo>000002</TraceNo>
  <CardNo>280000000000000000</CardNo>
  <TransType>ADM_REFUND</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <TransID>2018101022001407910593942136</TransID>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
RefNo	String (12)	A	000000013242	Reference Number
ApprovedNo	String(6)	S	R96230	Approval number
TraceNo	String (6)	A	000001	Trace number that is unique in batch
CardNo	String (16..37)	A	280000000000000000	Barcode (Please use Dummy CardNo "2800000000000000" for Refund)
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	ADM_REFUND	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
TransID	String (0..64)	A	2018101022001407910593942136	Transaction ID generated by Alipay/WeChat host.

*(A-Always, S-Success only, C-Conditional)

All data and information contained herein and provided by eft Payments (Asia) Limited is considered confidential and proprietary. The data and information contained herein may not be reproduced, published or distributed to, or for, any third parties without the express prior written consent of eft Payments (Asia) Limited.

3.5 Sale Advice

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <CardNo>880415137805729082</CardNo>
  <TraceNo>000001</TraceNo>
  <RefNo>000001234561</RefNo>
  <ECRRFN>1234567890121111</ECRRFN>
  <TransType>SALE_ADVICE</TransType>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
CardNo	String (16..37)	Y	880415137805729082	Barcode
RefNo	String (12)	Y	000001	Reference no
TraceNo	String (6)	Y	000001	TraceNo
ECRRFN	String (6..16)	N	1234567890121111	Original ECR Reference, specified by merchant as searching key
TransType	String (1..12)	Y	SALE_ADVICE	Transactions Type

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <ApprovedNo>002346</ApprovedNo>
  <RefNo>000000013242</RefNo>
  <ECRRFN>1234567890121111</ECRRFN>
  <Amount>000000001020</Amount>
  <TraceNo>000001</TraceNo>
  <TransType>SALE_ADVICE</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <CouponAMT>200</CouponAMT>
  <NetAMT>800</NetAMT>
  <OffsetAMT>20</OffsetAMT>
  <TransID>100000000000000000000000002323221</TransID>
  <PayID>sfeff@163.com</PayID>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	Int	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
ApprovedNo	String (6)	S	002346	Approval number
RefNo	String (12)	S	000000013242	Reference number used for Refund
TraceNo	String (6)	A	000001	Trace number that is unique in batch
Status	String (2)	C	10	The status of the transaction 10 = SALE ADVICE
ECRRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	SALE_ADVICE	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss
CouponAMT	Int	C	200	Coupon amount in cents
NetAMT	Int	C	800	Net amount that is in cents
OffsetAMT	Int	C	20	Discounted amount in cents
TransID	String (0..64)	A		Transaction ID generated by Alipay host.
PayID	String (0..64)	C		Account ID of the customer

*(A-Always, S-Success only, C-Conditional)

3.6 Reversal

Request Sample:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <Amount>1020</Amount>
  <RefNo>785033484191</RefNo>
  <TraceNo>000001</TraceNo>
  <CardNo>830415137805729082</CardNo>
  <TransType>REVERSAL</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
Amount	Int	Y	1020	Transaction amount in cents (MUST be equal to SALE)
RefNo	String (12)	N	785033484191	MUST be same as SALE. If RefNo exists, TraceNo will discard.
TraceNo	String (6)	Y	000001	Trace number that is unique in batch. (MUST be equal to SALE)
CardNo	String (16..37)	Y	830415137805729082	Barcode (MUST be equal to SALE)
TransType	String (1..12)	Y	REVERSAL	Transactions Type
TransDate	String (8)	Y	20160229	Date, format: YYYYMMDD
TransTime	String (6)	Y	145131	Time, format: HHmmss

Response sample:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>1020</Amount>
  <TraceNo>000001</TraceNo>
  <CardNo>830415137805729082</CardNo>
  <TransType>REVERSAL</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
Amount	String (12)	A	000000001020	Transaction amount in cents
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
TraceNo	String (6)	A	000001	Trace number that is unique in batch
CardNo	String (16..37)	A	830415137805729082	Barcode
ERCRFN	String (6..16)	C	1234567890121111	ECR Reference, specified by merchant as searching key
TransType	String (1..12)	A	REVERSAL	Transactions Type
TransDate	String (8)	A	20160229	Date, format: YYYYMMDD
TransTime	String (6)	A	145131	Time, format: HHmmss

*(A-Always, S-Success only, C-Conditional)

3.7 QUERY

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RefNo>000000013242</RefNo>
  <TransType>QUERY</TransType>
</TxnReq>
```

OR

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <OldTraceNo>000001</OldTraceNo>
  <TransType>QUERY</TransType>
</TxnReq>
```

OR

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <TransType>QUERY</TransType>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
OldTraceNo	String (6)	N	000001	Original trace number that is unique in batch
RefNo	String (12)	N	000000013242	Reference number used for Refund
TransType	String (1..12)	Y	QUERY	Transactions Type

Remark:

- Both RefNo and OldTraceNo can be used for enquiry. If OldTraceNo is used, the enquiry result will only be within the same day.
- If both RefNo and OldTraceNo are provided, RefNo will be used for enquiry and ignore the OldTraceNo
- If neither RefNo and OldTraceNo are provided, the last transaction of the day will be returned. If there is no transaction made of the day, error code 25 will be returned.

- RefNo 及 OldTraceNo 皆可用作查詢交易。
- 如果 RefNo 及 OldTraceNo 同時提供，則 RefNo 會被用作參考而 OldTraceNo 則不作理會。
- 如果要查詢上一單交易，則不要提供 RefNo 及 TraceNo。如果當天並沒有交易記錄，則系統會回傳 25 錯誤碼。

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <ApprovedNo>002346</ApprovedNo>
  <RefNo>000000013242</RefNo>
  <ERCRFN>1234567890121111</ERCRFN>
  <Amount>1020</Amount>
  <TraceNo>000001</TraceNo>
  <CardNo>8000000000000000</CardNo>
  <TransType>QUERY</TransType>
  <TransDate>20160229</TransDate>
  <TransTime>145131</TransTime>
  <CouponAMT>200</CouponAMT>
  <NetAMT>800</NetAMT>
  <OffsetAMT>20</OffsetAMT>
  <TransID>100000000000000000000000002323221</TransID>
  <Status>00</Status>
  <PayID>sfeff@163.com</PayID>
</TxnResp>
```

Remark:

Current status of the transaction.

Status Code	Description
00	Approved
01	Enquire Payment Processor
05	Declined

3.8 GET_TOTAL/RECAP/TWO_SETTLE

The difference between GET_TOTAL and RECAP/TWO_SETTLE is that using RECAP/TWO_SETTLE will clear the batch and should be used at day end. GET_TOTAL can be used to get the transaction lump sum without clearing the batch. GET_TOTAL 及 RECAP/TWO_SETTLE 的分別在於使用 RECAP/TWO_SETTLE 會將批次清除，應在店舖關門後使用。GET_TOTAL 則只回傳總數而不作清除批次。

Request Message:

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <TraceNo>000001</TraceNo>
  <TransType>RECAP</TransType>
</TxnReq>
```

OR

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <TraceNo>000001</TraceNo>
  <TransType>TWO_SETTLE</TransType>
</TxnReq>
```

OR

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnReq>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <TraceNo>000001</TraceNo>
  <TransType>GET_TOTAL</TransType>
</TxnReq>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	Y	123456789011111	Merchant ID
TID	String (8)	Y	00000001	Terminal ID
TraceNo	String (6)	Y	000001	Trace Number
TransType	String (1..12)	Y	RECAP TWO_SETTLE GET_TOTAL	Transactions Type

Response Sample

```
<?xml version="1.0" encoding="UTF-8"?>
<TxnResp>
  <MID>123456789011111</MID>
  <TID>00000001</TID>
  <RespCode>00</RespCode>
  <TransType>RECAP</TransType>
  <TransDate>20161101</TransDate>
  <TransTime>152412</TransTime>
  <TotalSaleAmt>000000000102000</TotalSaleAmt >
  <TotalSaleCnt >000010</TotalSaleCnt >
  <TotalRefundAmt >000000000100000</TotalRefundAmt >
  <TotalRefundCnt>000001</TotalRefundCnt >
</TxnResp>
```

Variable Name	Type	Return Condition*	Sample	Description
MID	String (11..15)	A	123456789011111	Merchant ID
TID	String (8)	A	00000001	Terminal ID
RespCode	String (2)	A	00	Response Code "00": Approved. Other values indicated failed
TransType	String (10)	A	RECAP TWO_SETTLE GET_TOTAL	Transaction Type: RECAP TWO_SETTLE GET_TOTAL
TransDate	String (8)	A	20161101	Date, format: YYYYMMDD
TransTime	String (6)	A	152412	Time, format: HHmmss
TotalSaleAmt	Int	A	000000000102000	Total Sale Amount
TotalSaleCnt	Int	A	10	Total Sale Count
TotalRefundAmt	Int	A	000000000100000	Total Refund Amount
TotalRefundCnt	Int	A	000001	Total Refund Count

*(A-Always, S-Success only, C-Conditional)

4 Appendix A

4.1 Respond Code

English Version:

Respond Code					
Value	Description	Value	Description	Value	Description
01	Enquire Payment Processor	36	Restricted Account	77	Settlement Error
02	Enquire Service Providers	39	Invalid Account	78	Tracking Code Error
03	Invalid Merchant ID	41	Account Frozen	79	Invalid Account
04	A/C Not Authenticated	42	Invalid Account	80	Data Error
05	Declined	43	Invalid Payment Code	81	Encryption Error
06	Error	51	Insufficient Fund	83	Password Unauthorized
09	No Network Payment Not Authorized	54	Payment Code Expired	84	Cannot Connect to Payment
12	Invalid Transaction	55	Incorrect Payment Password	85	Normal Account
13	Invalid Amount	57	Unsupported Service	87	Incorrect Payment PW Processing
14	Invalid Payment Code	58	Transaction Not Allowed	88	Network Failure
19	Timeout – Retry Again	59	Fraud Suspected	89	Invalid Terminal Code
20	Invalid Transaction	60	Exceed of Payment Threshold of Product	90	System Backup
21	No Processing	61	Exceed Limit	91	Payment Processor Network Issue
22	Operation Issues	62	Server Code Error	92	Communication Error
23	Unacceptable Trans Fee	63	Payment Code Verification Failed	93	Trans Not Completed
25	Record Not Found	64	Incorrect Original Amount	94	Duplicated Number
26	Buyer Operation Not Completed	65	Restricted	95	Daily Cut-Off - Please Wait
27	Already Approved	66	Exceed Daily Limit	96	Systems Error
28	Error – Do Not Retry	67	Exceed Monthly Limit	97	Invalid Terminal ID
29	Modification Failure	68	Host Response Timeout	98	No Response from Payment Processor
30	Transmission Format Error	69	Over Currency Exchange Limit	99	Invalid PW Encryption
31	Network Interruption	70	Insufficient Fund	A0	MAC Error
34	Fraud Suspected	75	Payment Password Retrial Over	N0	Original Trans Not Found
		76	Invalid Product Code		

All data and information contained herein and provided by eft Payments (Asia) Limited is considered confidential and proprietary. The data and information contained herein may not be reproduced, published or distributed to, or for, any third parties without the express prior written consent of eft Payments (Asia) Limited.

Chinese Version:

Respond Code					
Value	Description	Value	Description	Value	Description
01	查詢支付方	36	受限制的帳戶	77	結帳錯誤
02	查詢服務商	39	無此帳戶	78	追蹤碼錯誤
03	商戶代號錯誤	41	帳戶已凍結	79	無效帳戶
04	未做實名認證	42	無此帳戶	80	數據錯誤
05	拒絕	43	非法支付碼	81	加密錯誤
06	錯誤	51	餘額不足	83	密碼不能檢驗
09	未開通無網絡支付	54	支付碼已過期	84	未能連接支付方
12	交易無效	55	支付密碼錯	85	正常帳戶
13	金額錯誤	57	服務不支持	87	支付密碼處理錯
14	無效支付碼	58	交易不允許	88	網絡故障
19	超時-重做交易	59	有作弊嫌疑	89	終端代碼錯誤
20	無效交易	60	產品限額校驗未通過	90	系統備份
21	不作任何處理	61	超限額	91	支付方網絡錯誤
22	懷疑操作有誤	62	服務代碼錯誤	92	通訊錯誤
23	不可接受的交易費	63	支付碼校驗錯誤	93	交易不能完成
25	找不到原交易	64	原始金額不正確	94	序號重複
26	買家操作未完成	65	限制使用	95	日切中請等待
27	已經授權	66	超當日限額	96	系統故障
28	不要重試	67	超當月限額	97	無此終端號
29	交易修改失敗	68	主機應答超時	98	收不到支付方應答
30	傳輸格式錯誤	69	超外匯兌換限額	99	密碼加密格式錯
31	網絡中斷	70	資金不足	A0	MAC 校驗錯
34	作弊嫌疑	75	支付密碼錯超限	N0	找不到原交易
		76	產品代碼錯誤		

RespCode	Status
00, 27	Approved
06, 19, 26, 96	Unconfirmed
others	Rejected

All data and information contained herein and provided by eft Payments (Asia) Limited is considered confidential and proprietary. The data and information contained herein may not be reproduced, published or distributed to, or for, any third parties without the express prior written consent of eft Payments (Asia) Limited.

4.2 Receipt Sample

The red fields are the mandate field to be printed on the receipt.

English Version

Sale	Void	Refund
Transaction Type: SALE Terminal ID: 12345678 MID: 123456789012345 Trace No.: 123456 OrderNo.: 123456789012345678901234567890 1234 RRN: 123456789012 Approval Code: 123456 Transaction Date & Time: 30/11/2013 01:20 PM Transaction amount: HKD 100.00	Transaction Type: VOID Terminal ID: 12345678 MID: 123456789012345 Trace No.: 123457 Original Trace No.: 123456 RRN: 123456789013 Transaction Date & Time: 30/11/2013 01:20 PM Transaction amount: -HKD 100.00	Transaction Type: REFUND Terminal ID: 12345678 MID: 123456789012345 Trace No.: 123456 OrderNo.: 123456789012345678901234567890 1234 RRN: 123456789014 Original RRN: 123456789012 Approval Code: 123456 Transaction Date & Time: 30/11/2013 01:20 PM Transaction amount: -HKD 100.00

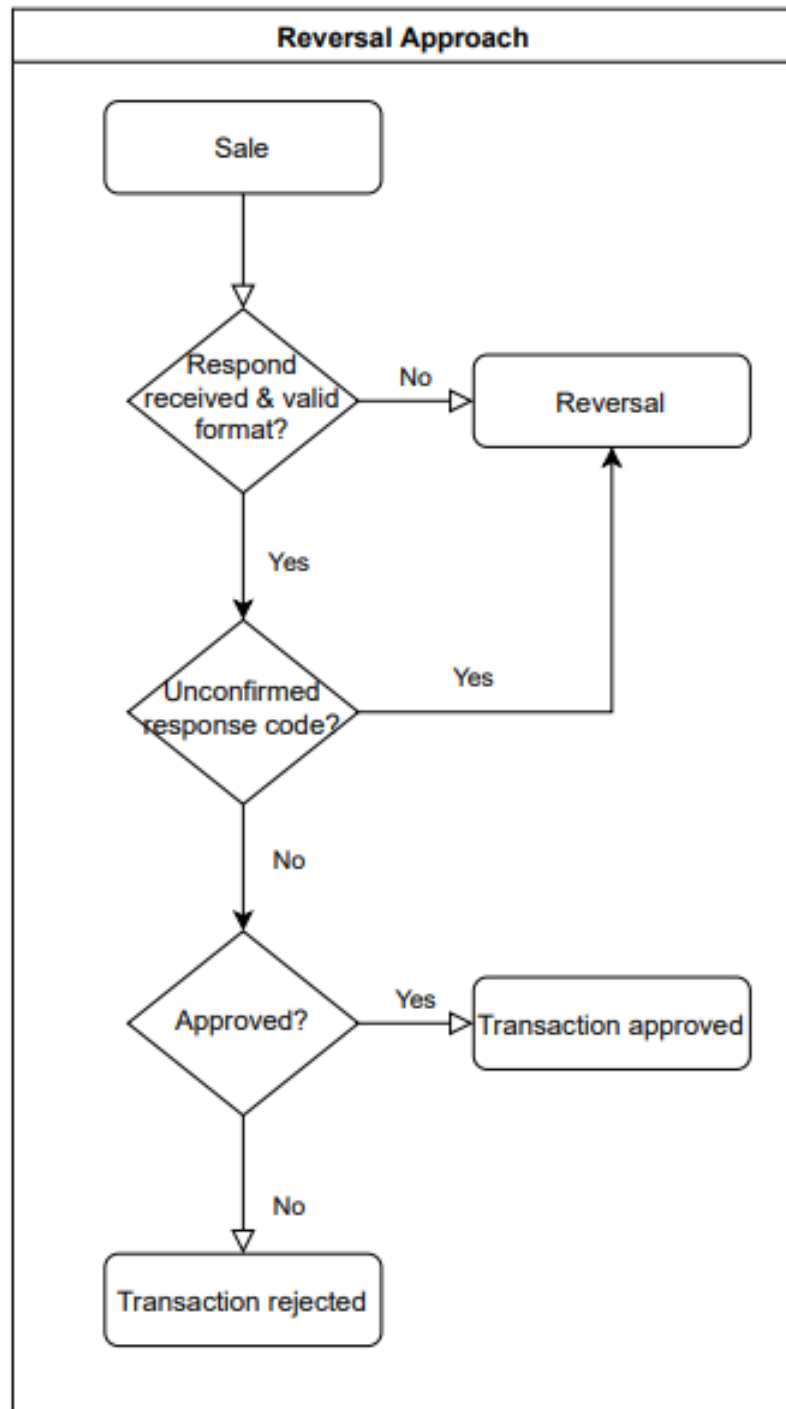
Chinese Version

Sale	Void	Refund
交易類別: 銷售 終端編號: 12345678 商戶編號: 123456789012345 流水號: 123456 交易單號: 123456789012345678901234567890 1234 參考號: 123456789012 授權碼: 123456 交易時間: 30/11/2013 01:20 PM 交易金額: HKD 100.00	交易類別: 撤消 終端編號: 12345678 商戶編號: 123456789012345 流水號: 123457 原流水號: 123456 參考號: 123456789013 授權碼: 交易時間: 30/11/2013 01:20 PM 交易金額: -HKD 100.00	交易類別: 退款 終端編號: 12345678 商戶編號: 123456789012345 流水號: 123456 交易單號: 123456789012345678901234567890 1234 參考號: 123456789014 原參考號: 123456789012 授權碼: 123456 交易時間: 30/11/2013 01:20 PM 交易金額: -HKD 100.00

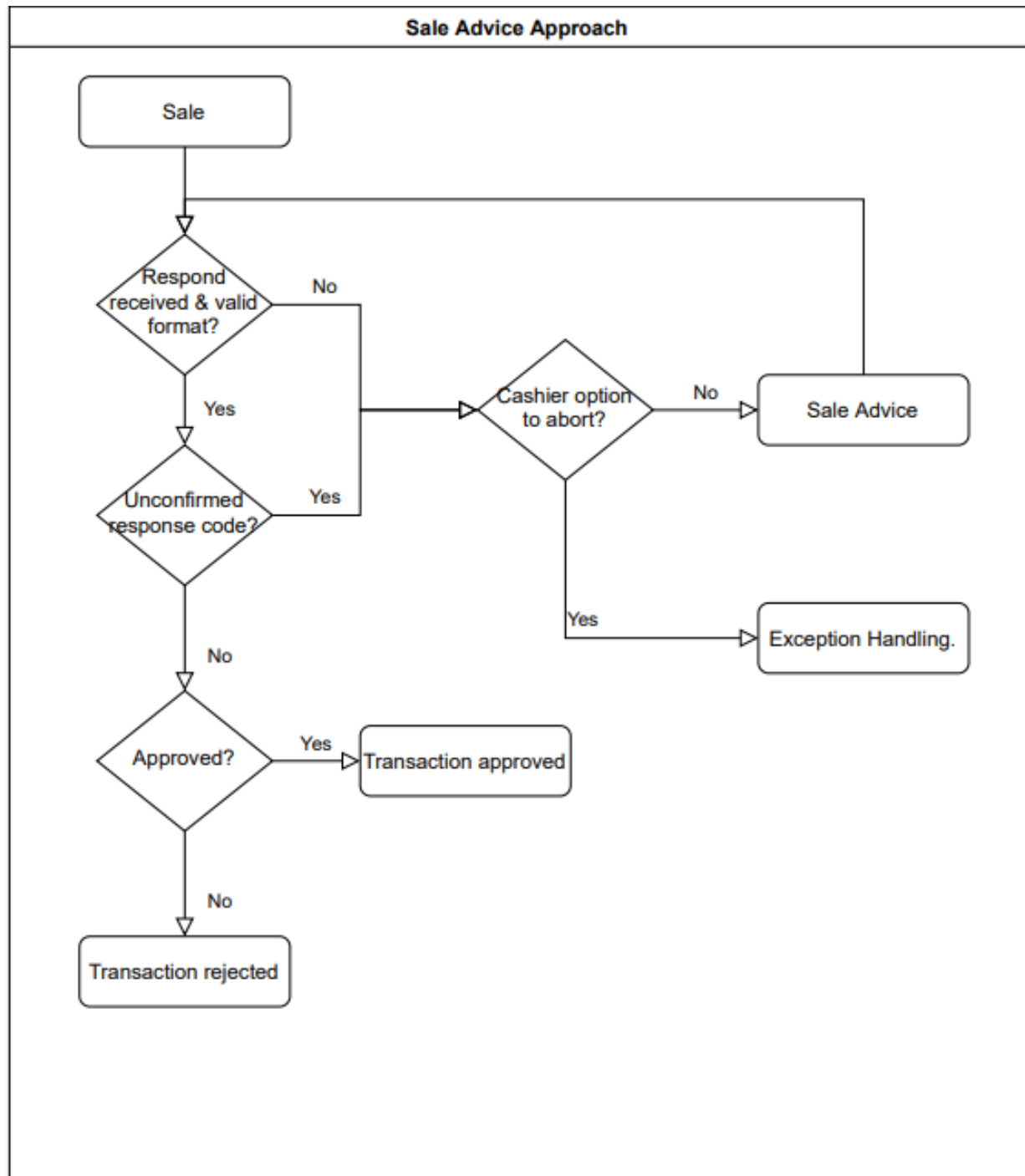
4.3 Exceptional Handling

During the transaction, there will be some exceptional cases happen, e.g. network unstable issue, time of customer input PIN too long. The suggested flow for handling this exception as below

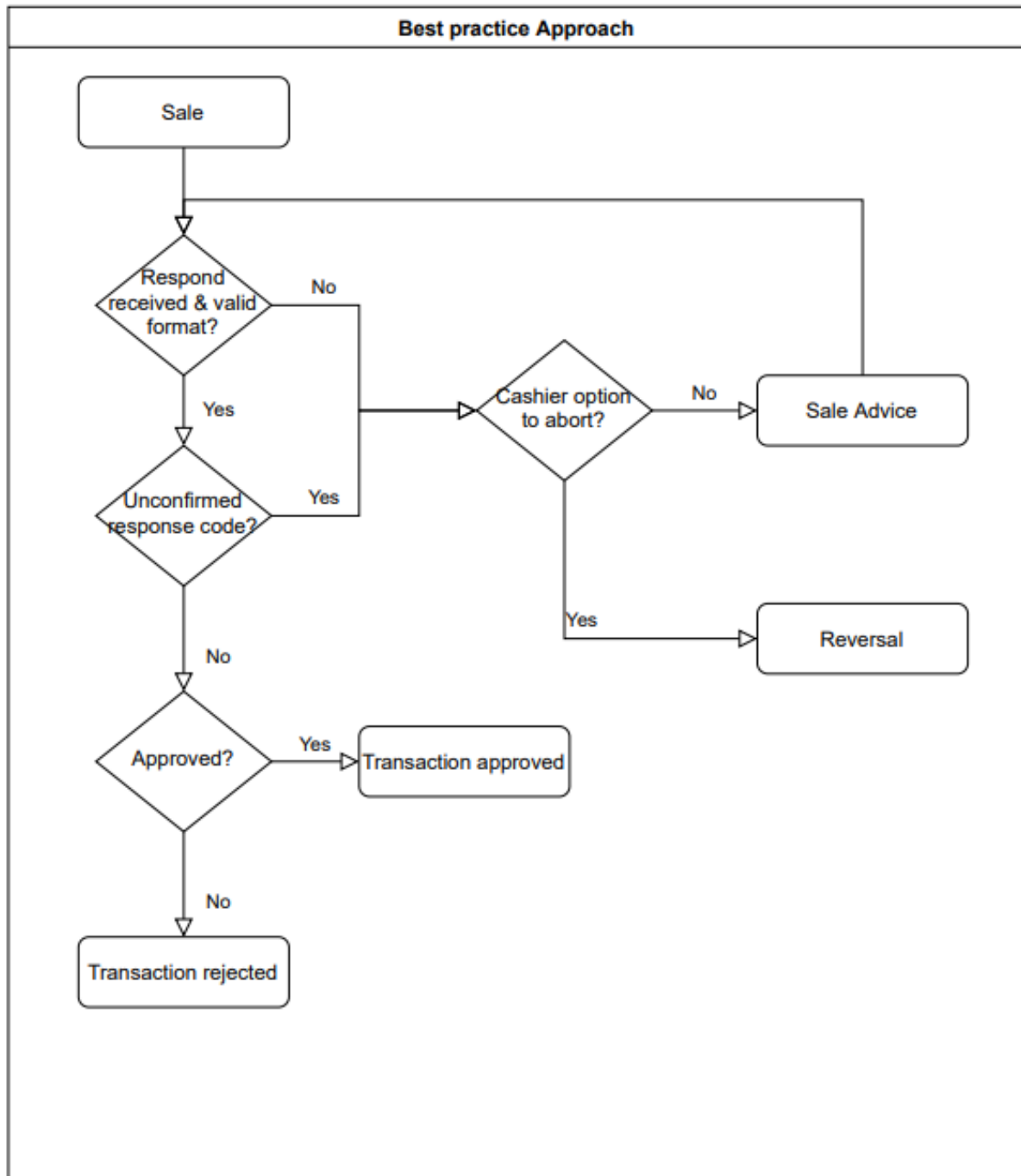
4.3.1 Reversal Approach



4.3.2 Sale Advice Approach(obsoleted)



4.3.3 Best Practice(Combine)



Remark:

RespCode	Status
00, 27	Approved
06, 19, 26, 96	Unconfirmed
others	Rejected

4.4 Barcode Prefix

Payment Type	Prefix
Alipay	25-30
WeChat CN Payment	10-14
WeChat HK Payment	15-16
UnionPay QR	hQVDUFYwMW
JkoPay	22
Hana/GLN	925
PayMe	8
e-CNY	01

4.5 Barcode Length

Payment Type	Length
Alipay	17 - 37
WeChat Payment	17 - 37
UnionPay QR	1 - 512
JkoPay	18
Hana/GLN	24
PayMe	18
e-CNY	19

4.6 RRN generation for sale (except UnionPay QR)

This is an additional field in sale for indicating the sale transaction, RRN consists exact 12 digits of the number with the following rules on the construction.

Alipay & WechatPay :

- [3 digits of random number][9 digits of timestamp]
 - 3 digits of random number:
 - Alipay
 - random number of [400-999]
 - WeChat HK
 - random number of [700-999]
 - WeChat CN
 - random number of [400-699]
 - 9 digits of timestamp
 - Number of seconds count from 2018/01/01 00:00:00

e-CNY&PayMe&JKOPAY&Hana:

- [12 digits of timestamp]
Time stamp format is yyMMddHHmmss.

4.7 Special Setting in UAT Environment

We have some special settings in UAT environment. Please find the following setting for your reference. Thanks.

Sale: \$1 return response code as "01", \$2 return response code as "02", until \$99 return response code as "99". if the amount is \$19, the host will not return any message to POS, for simulated timeout.

Void: \$101 return response code as "01", \$102 return response code as "02", until \$199 return response code as "99"

Refund: \$1 return response code as "01", \$2 return response code as "02", until \$99 return response code as "99"

Sale Advice: \$1 return response code as "01", \$2 return response code as "02", until \$99 return response code as "99"

Best Practice:

- Fail case:

Sale: \$201 return response code as "01", \$202 return response code as "02", until \$299 return response code as "99".

Sale Advice: Response code same as SALE, \$201 return response code as "01", \$202 return response code as "02", until \$299 return response code as "99".

Reversal: Success