
allPay Electronic Payment Co., Ltd.

allPay All-In-One Cash Flow API Interfacing Document

V 1.1.32
2016-08-29

Version History :

Version	Date	Content
V1.0.0	2013/09/13	Create
V1.0.1	2013/09/18	Delete Credit Card Parameter and add parameter instruction.
V1.0.2	2013/10/08	Add deleting payment function.
V1.0.3	2013/10/18	Modify Verification Code Mechanism and update its description.
V1.0.4	2013/11/07	Add periodic consistent payment parameter in credit card transaction.
V1.0.5	2013/11/20	Add OrderResultURL function so that Client end would return an URL after payment.
V1.0.6	2013/11/26	Modify table of payment type.
V1.0.7	2013/11/26	Add API command testing info.
V1.0.8	2013/12/16	1. add PaymentInfoURL which Server end would return payment information when its method is ATM, CVS, or BARCODE. 2. Add ATM, CVS, and BARCODE function and their information specification.
V1.0.9	2013/12/19	When generating a purchasing order, NeedExtraPaidInfo function is added which will return a payment result notification and query purchasing order with additional return values if this function is set as Y.
V1.1.0	2014/01/21	Add payment type-ALL
V1.1.1	2014/02/05	Add DeviceSource parameter in Generate Purchasing Order API
V1.1.2	2014/02/10	Add UnionPay in Credit Card parameter.
V1.1.3	2014/03/10	Add table of replying payment type
V1.1.4	2014/03/28	Add Refund API.
V1.1.5	2014/05/12	Add ClientRedirectURL which Client end will return payment information then redirect to its URL under ATM, CVS, or BARCODE payment type.
V1.1.6	2014/05/22	Add Get CheckMacValue API
V1.1.7	2014/05/27	Add IgnorePayment under payment type –ALL which will not display the payment type.
V1.1.8	2014/07/28	Add PlatformID value according to platform corporate mechanism.
V1.1.9	2014/09/15	Add Query Credit Card Periodic Consistent Payment API.
V1.1.10	2014/10/15	Add E.Sun Bank Top up error code.
V1.1.11	2014/10/24	Add paying at E.Sun Bank in ATM Payment type
V1.1.12	2014/10/27	Add English environmental parameter when generating a purchasing order with credit card payment type.
V1.1.14	2014/11/14	Add parameter for transaction fee between platform supplier
V1.1.15	2015/01/30	Add creating electronic invoices parameter in Generating Purchasing Order API.
V1.1.16	2015/02/02	Add deferring allocation parameter in Generating Purchasing Order API.
V1.1.17	2015/02/02	Add Merchant allocation/refund API
V1.1.18	2015/02/02	Add “Bounding corporate platform supplier with allPay member account API” parameter in Generating Purchasing Order API.
V1.1.19	2015/03/09	Add Download Merchant Account Verification as Media File API
V1.1.20	2015/04/20	Add deadline for paying at convenient store in CVS code and BARCODE.
V1.1.21	2015/05/12	Add EncryptType as encryption method parameter.
V1.1.22	2015/05/15	Modify Trading Process Demonstrate Diagram and correct parameter (CarruerNum, DelayDay) instruction.
V1.1.23	2015/05/28	Exclude paying at E.Sun physical bank from ATM payment.

V1.1.24	2015/06/04	Generating Purchasing Order API currently do not provide PlatformChargeFee parameter service.
V1.1.25	2015/06/17	Fix errors and CheckMacValue and add urlencode conversion table.
V1.1.26	2015/06/29	Supplier allocation/refund request
V1.1.27	2015/07/30	Modify Query Credit Card Periodic Consistent Payment API.
V1.1.28	2015/11/23	Add a PHP urlencode function sample for “Verification Code Mechanism”.
V1.1.29	2015/11/30	Remove “Bounding corporate platform supplier with allPay member account API” parameter in Generating Purchasing Order API.
V1.1.30	2016/03/30	Delete information about alipay.
V1.1.31	2016/05/26	Remove TopUpUsed_ESUN payment function
V1.1.32	2016/08/29	Remove Barcode payment function

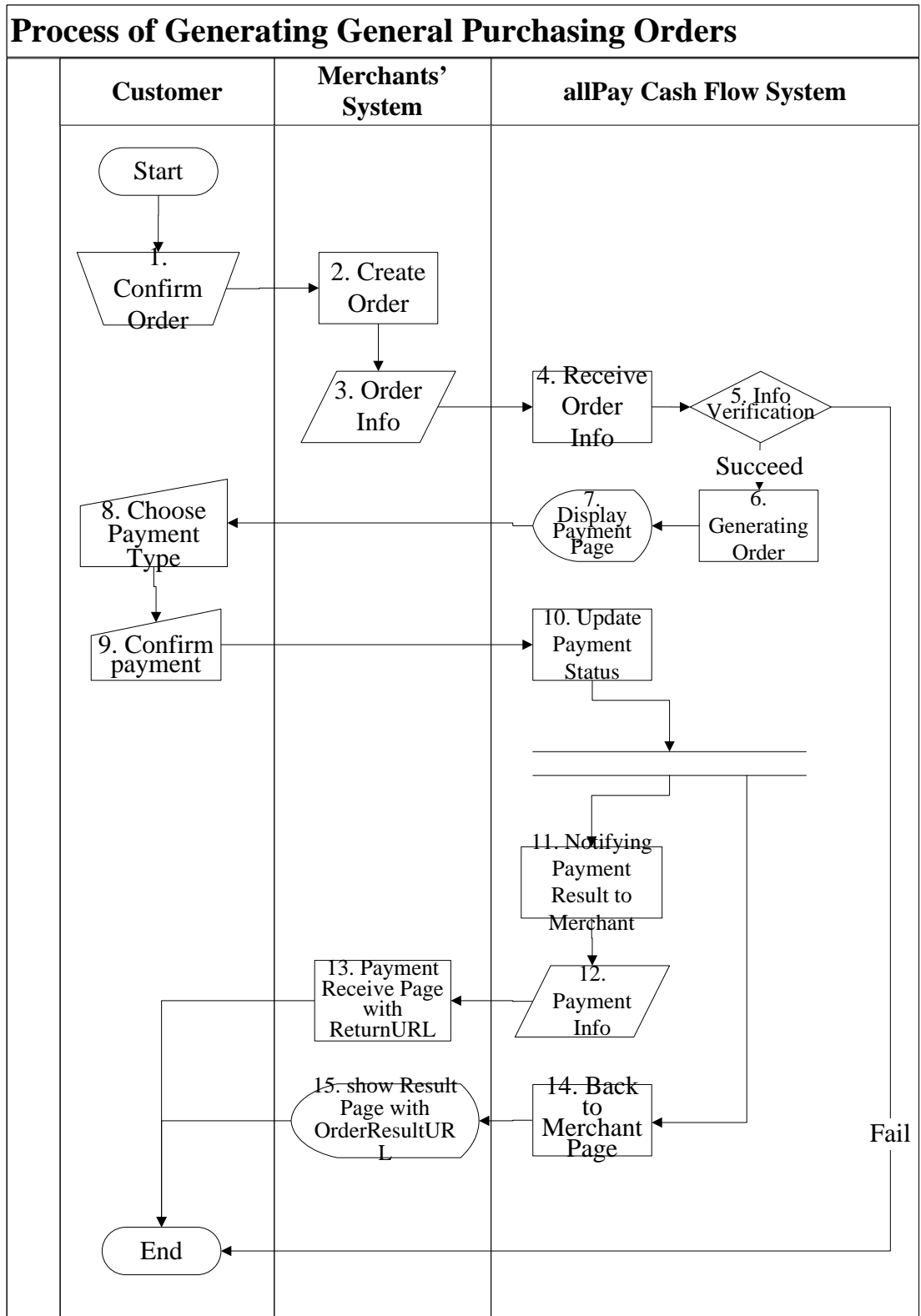
Contents

1.	INSTRUCTION	5
2.	ALLPAY TRADING PROCESS DEMONSTRATE DIAGRAM.....	5
3.	PREPARATION.....	15
4.	SYSTEM API TESTING RELATED INFORMATION.....	15
5.	GENERATING PURCHASING ORDER	16
6.	GET NUMBER RESULT NOTIFICATION FOR ATM, CVS.....	29
7.	PAYMENT RESULT NOTIFICATION	30
8.	ORDER QUERY (MERCHANT → ALLPAY. THIS API COULD BE INTEGRATED DEPENDING ON MERCHANT'S DEMAND.)	34
9.	ADDITIONAL RETURN PARAMETER.....	36
10.	CREDIT CARD INSTALLMENT ORDER QUERY	38
11.	VERIFICATION CODE MECHANISM	42
12.	API RECEIVE VERIFICATION CODE API.....	44
13.	CREDIT CARD SETTLEMENT/REFUND/CANCELATION/ABANDON API (IF THIS API IS NOT CODED, THE BACK END INTEGRATION FROM MERCHANT SHOULD ALSO BE ABLE TO TAKE CARE OF THIS FUNCTION)	45
14.	MERCHANT NOTIFIES REFUND API.....	47
15.	MERCHANT ALLOCATION/REFUND REQUEST	48
16.	DOWNLOAD THE ACCOUNT VERIFICATION MEDIA FILE.....	50
17.	TABLE OF TRADING MESSAGE CODE.....	53
18.	TABLE OF PAYMENT TYPE	54
19.	TABLE OF REPLYING PAYMENT TYPE	56
20.	URLENCODE CONVERSION TABLE.....	57

1. Instruction

allPay non Escrow trading provides a safe trade mechanism for members of allPay and its merchants' members.

2. allPay Trading Process Demonstrate Diagram

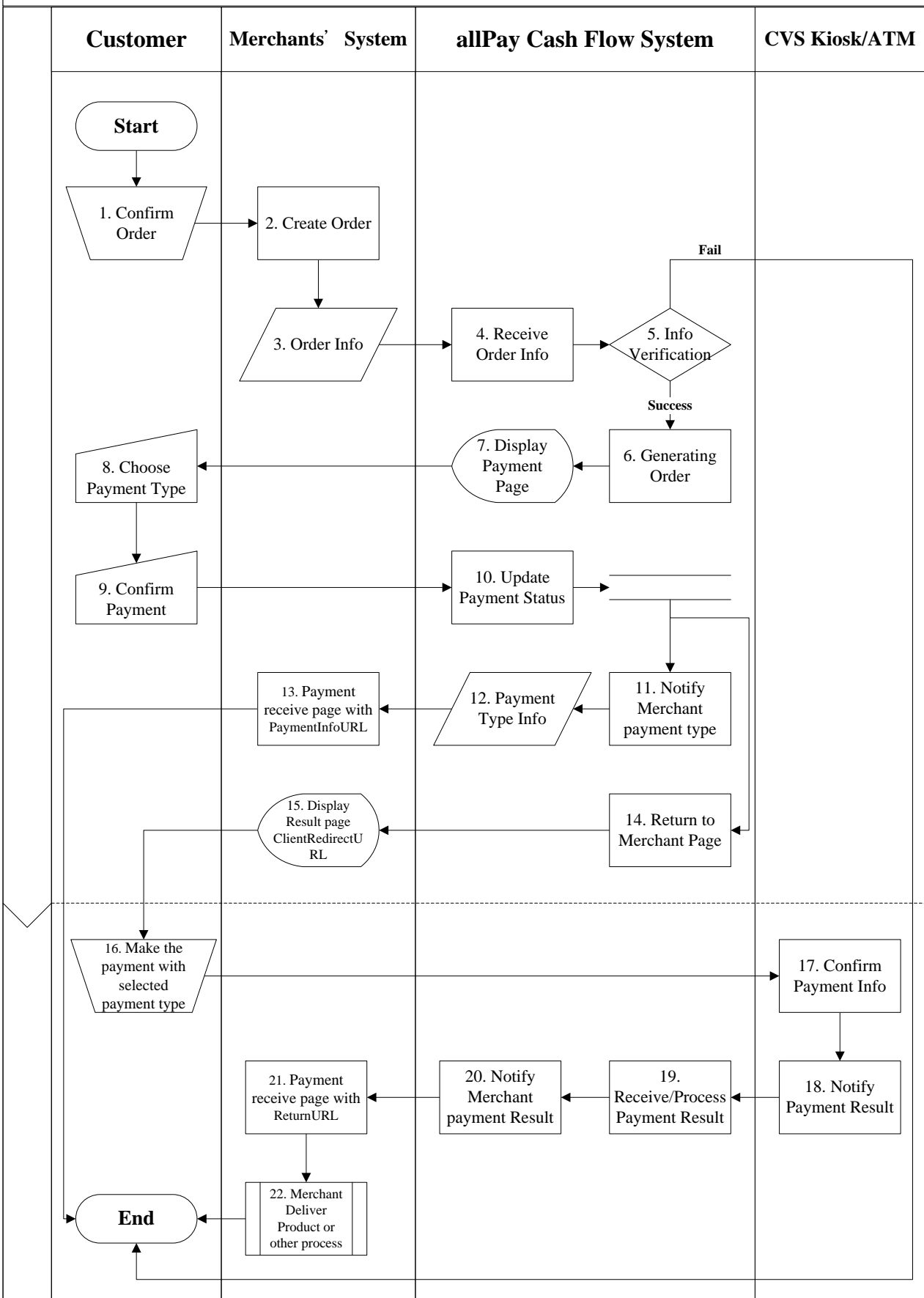


[Exhibit 2-1] Merchants and allPay System API Process Demonstrate Diagram

Processing Role	Timing	Process Name	Process Description	Remark
Customer		1. Confirm Order	Customer decides to pay in one of merchants' systems.	
Merchants' Systems	After purchasing	2. Create Order	The merchant receives customer request and generate a purchasing order.	
Merchants' Systems		3. Order Info	After an order is generated with verified information, customer could pay through API (AioCheckOut) provided by allPay Cash Flow System.	
allPay Cash Flow System		4. Receive Order Info	allPay Cash Flow System receives and analyzes orders coming from merchants.	
allPay Cash Flow System		5. Info Verification	If information provided by merchants is abnormal, trading would be stop instantly. If it is correct, it directs the system to next procedure.	
allPay Cash Flow System		6. Generating Order	Once order information from merchants is confirmed, allPay Cash Flow System will generate an order for them.	
allPay Cash Flow System		7. Display payment page	After an order is generated, allPAY Cash Flow system will display feasible cash flow payment types for customers to select with accordance to types merchants provide.	
Customer		8. Choose payment type	Customers select payment type.	
Customer		9. Confirm Payment	Customers pay according to the particular payment type.	
allPay Cash Flow System		10. Update payment status	allPay Cash Flow System would confirm and update payment status with accordance to payment type.	
allPay Cash Flow System		11. Notifying payment result to merchants.	After payment is confirmed, allPay Cash Flow System would inform its merchant's system.	
allPay Cash Flow System		12. Payment Info	Once allPay Cash Flow System prepared customer payment confirmation information, it would return to the webpage merchant has setup (ReturnURL).	
Merchants' Systems	After receiving payment notification	13. Payment receive page with ReturnURL	Merchant receives and analyzes customer payment information sent from allPay Cash Flow System and should update its own order status.	
allPay Cash Flow System		14. Back to merchants' pages.	allPay Cash Flow System notifies merchants about customer order status and directs to its order result URL (OrderResultURL)	If merchant does not setup an OrderResultURL, the order result page will be shown in allPay after it sends order information to allPay. If merchant setups a ClientBackURL, after it sends

				order information to allPay, a “back to partner” button would be shown and generated by allPay Cash Flow System in order result page.
Merchants’ Systems		15. show result page with OrderResultURL	After merchant’s system receives the request of redirection from allPay, should display order result page so that customers would know trade is complete.	

Process of Generating ATM/CVS Purchasing Orders

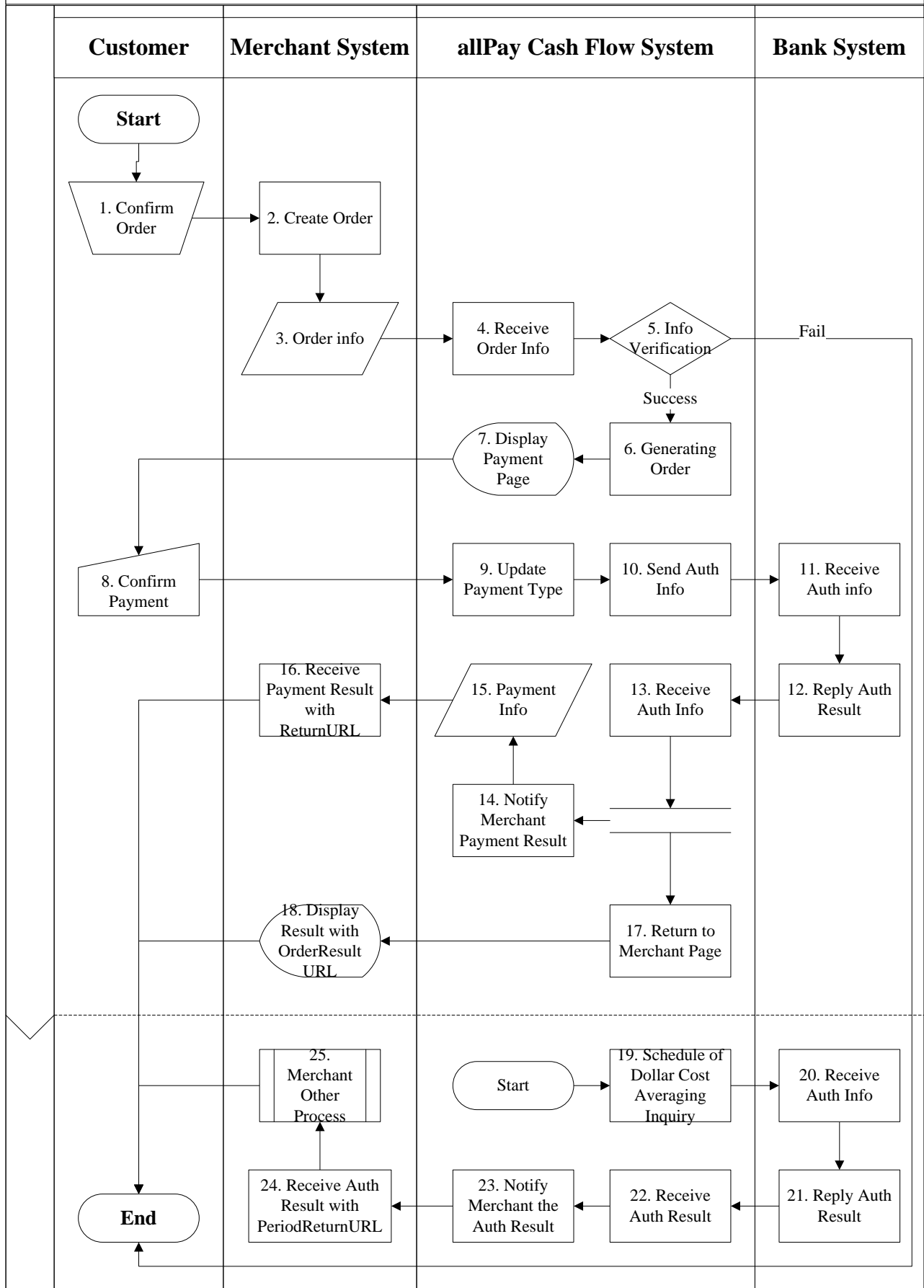


[Exhibit 2-2] Merchant and allPay System API Process Demonstration Diagram

Processing Role	Timing	Process Name	Process Description	Remark
Customer		1. Confirm Order	Customer decides to pay in one of merchants' systems.	
Merchant's System	After Purchasing	2. Create Order	The merchant receives customer request and generate a purchasing order	
Merchant's System		3. Order Info	After an order is generated with verified information, customer could pay through API (AioCheckOut) provided by allPay Cash Flow System.	
allPay Cash Flow System		4. Receive Order Info	allPay Cash Flow System receives and analyzes orders coming from merchants. °	
allPay Cash Flow System		5. Info Verification	If information provided by merchants is abnormal, trading would be stop instantly. If it is correct, it directs the system to next procedure.	
allPay Cash Flow System		6. Generating Order	Once order information from merchants is confirmed, allPay Cash Flow System will generate an order for them.	
allPay Cash Flow System		7. Display payment page	After an order is generated, allPAY Cash Flow system will display feasible cash flow payment types for customers to select with accordance to types merchants provide.	
Customer		8. Choose payment type	Customers select payment type.	
Customer		9. Confirm Payment	Customers pay according to the particular payment type.	
allPay Cash Flow System			allPay Cash Flow System would confirm and update payment status with accordance to payment type	
allPay Cash Flow System		11. Notifying payment result to merchants.	After payment is confirmed, allPay Cash Flow System would inform its merchant's system.	
allPay Cash Flow System		12. Payment Info	allPay system would prepare the payment type, paying information, and other related information for customer. The above would be sent to merchant system via PaymentInfoURL.	
Merchant's System	After BARCODE or virtual account is generated	13. Payment receive page with ReturnURL	Merchant receives below information from allPay and should analyze the payment type, paying information, and other related information selected by	When sending an order information, if merchant does not set up PaymentInfoURL parameter, then payment information and its related parameter would be not be sent.

			customer.	
allPay Cash Flow System		14. Back to merchants' pages.	allPay cash flow system would notify merchants about the payment type, payment information and other related information customer selected. We would redirect the front page to the ClientRedirectURL merchant sets up.	
Merchant's System		15. show result page with ClientRedirectURL	When merchant receives allPay cash flow system request on redirection, it should show the payment information and related result to customers so that they are able to understand the status of order and make further payment process.	When sending an order information, if merchant does not set up ClientRedirectURL parameter, then payment information and its related parameter would be not be sent.
Customer		16. Makes the payment with selecting payment type.	Customer would pay according to the information merchant sent at CVS/ATM.	
CVS/ATM	After payment is made	17. Confirm payment information	Once a payment from customer is confirmed, CVS/ATM system receives payment information and should confirm and update payment status accordingly.	
CVS/ATM		18. Back end Notifies payment result to merchants.	Once a payment from customer is confirm, CVS/ATM system should notify allPay cash flow system through back end.	
allPay Cash Flow System		19. Back end notifies/process payment result	allPay cash flow system receives and analyzes customer payment information and other related information sent by CVS/ATM system.	
allPay Cash Flow System		29. Back end payment result	When allPay cash flow system finalizes customer payment complete information, it should send to ReturnURL merchant sets up previously.	
Merchant's System	After receive payment information from CVS/	21. Payment receive result page with ReturnURL	Merchant receives and should analyze customer payment information sent by allPay cash flow system. He should update order payment status in his own system.	
Merchant's System		22. Item released or additional process from merchant.	After merchant receives payment status from allPay cash flow system and update its order status, he should ship out the items or make further arrangements.	

Process of Dollar Cost Averaging Inquiry



[Exhibit 2-3] Merchant and allPay System API Process Demonstration Diagram

Processing Role	Timing	Process Name	Process Description	Remark
Customer		1. Confirm Order	Customer decides to pay in one of merchants' systems.	
Merchants' Systems	After Purchasing	2. Create Order	The merchant receives customer request and generate a purchasing order.	
Merchants' Systems		3. Order Info	After an order is generated with verified information, customer could pay through API (AioCheckOut) provided by allPay Cash Flow System	
allPay Cash Flow System		4. Receive Order Info	allPay Cash Flow System receives and analyzes orders coming from merchants.	
allPay Cash Flow System		5. Info Verification	If information provided by merchants is abnormal, trading would be stop instantly. If it is correct, it directs the system to next procedure.	
allPay Cash Flow System		6. Generating Order	Once order information from merchants is confirmed, allPay Cash Flow System will generate an order for them.	
allPay Cash Flow System		7. Display payment page	After an order is generated, allPAY Cash Flow system will display feasible cash flow payment types for customers to select with accordance to types merchants provide.	
Customer		8. Confirm Payment	Customers pay according to the particular payment type	
allPay Cash Flow System		9. Update payment status	allPay Cash Flow System would confirm and update payment status with accordance to payment type	
allPay Cash Flow System		10. release authorization information	allPay cash flow system should send the card number, CSC, expiration date of credit card payment information to bank system via back end platform.	
Bank System		11. receive authorization information	Bank system receives and should analyze the authorization information sent by allPay cash flow system.	

Return Authorization Result		12. return authorization result	Bank system should send the authorization result to allPay cash flow system via back end platform.	
allPay Cash Flow System		13. receive authorization result	allPay cash flow system receives and should analyze the authorization information sent by Bank system.	
allPay Cash Flow System		14. notify merchant payment result	Once confirms a payment is made by customer, allPay cash flow system should notify merchant system via back end platform.	
allPay Cash Flow System		15. payment information	allPay cash flow system finalizes customer payment complete information and should send it to the ReturnURL merchant sets up previously.	
Merchants' Systems	After authorization is approved	16. receive payment result with ReturnURL	Merchant receives and should analyze customer payment information sent by allPay cash flow system. He should update order payment status in his own system.	
allPay Cash Flow System		17. back to merchant webpage	allPay Cash Flow System notifies merchants about customer order status and directs to its order result URL (OrderResultURL)	If merchant does not setup an OrderResultURL, the order result page will be shown in allPay after it sends order information to allPay. If merchant setups a ClientBackURL, after it sends order information to allPay, a "back to partner" button would be shown and generated by allPay Cash Flow System in order result page.
Merchants' Systems		18. show order result page with OrderResultURL	After merchant's system receives the request of redirection from allPay, should display order result page so that customers would know trade is complete.	
allPay Cash Flow System		19. installment authorization process	allPay cash flow system would set up an installment process according to payment period, frequency, execution times, and date selected by customer. allPay cash flow system should send the card number, CSC, expiration date of credit card payment information to bank system via back end platform.	

Bank System		20. receive authorization information	Bank system receives and should analyze the authorization information sent by allPay cash flow system.	
Bank System		21. return authorization result	Bank system should send the authorization result to allPay cash flow system via back end platform.	
allPay Cash Flow System		22. receive authorization result	allPay cash flow system receives and should analyze the authorization information sent by Bank system.	
allPay Cash Flow System		23. notify merchant the authorization result	Once confirms a payment is made by customer, allPay cash flow system should notify merchant system via back end platform.	
Merchants' Systems	After authorization is complete	24. Payment receive authorization result with ReturnURL	Merchant receives and should analyze customer payment information sent by allPay cash flow system. He should update order payment status in his own system.	
Merchants' Systems		25. merchant's other processes.	After merchant receives payment status from allPay cash flow system and update its order status, he should ship out the items or make further arrangements.	

Process Instruction

(1) Select allPay as payment type

Customer purchases in merchant's store and select allPay as his payment type.

(2) Generating Purchasing Orders

Please follow the instruction "[4. Generating Purchasing Orders](#)" listed below. When generating a purchasing order, [we suggest opening a new window/browser to complete the transaction.](#)

(3) Payment result notification

Once a customer makes his payment, allPay would send payment result to the [Return URL](#) as shown in "[4. Generating Purchasing Order.](#)"

(4) To process order

Merchant should update his order status once receives payment result.

3. Preparation

Please go to Merchant Back End Platform → System Develop Management → System API Configuration to set up below information for API integration.

(1) Merchant Server WAN IP

It's recommended to set the Merchant Server WAN IP by the security policies.

4. System API Testing Related Information

Please use below information to integrate our cash flow services, this is an information on testing environment. Do not apply testing information to test on Official Environment. Once testing goes well and getting ready to connect to Official Environment please modify the information below to Official Environment related information.

Instruction	Description
Merchant Identification number	2000132
Merchant back end platform log in account/password	StageTest/test1234
Merchant back end platform testing environment	This website (https://vendor-stage.allpay.com.tw) provides order related information testing query. It could also process payment simulation and return payment notification information to your own site. If processing simulation but could not receive payment notification, please refer to <u>Attention</u> below.
all in one API HashKey	5294y06JbISpM5x9
all in one API HashIV	v77hoKGq4kWxNNIS
Testing credit card number	4311-9522-2222-2222
Testing credit card security code	222
Testing credit card if its expiration date (year and month) is effective	Set a date that is greater than testing date. If your testing date is set on 2013-Nov-26 th , this trade effective date should be set after 2013-Nov. System would judge if the effective date has past. Once it is expired, credit card payment would return failure.
Buy Test ID/PW	stageuser001/test1234

※Attention:

Note 1: when receive a payment notification, system developer should confirm below procedure in order to receive payment notifications from allPay.

- (1) Please make sure the program in ReturnURL created when an order is generated is fully developed.
- (2) Please make sure the URL in ReturnURL is on WAN instead of LAN.
- (3) Please make sure your Server has open up the firewall access so that the payment notification will not be blocked by it.
- (4) Only port 80 and 443 will be allowed by the security policies.
- (5) Do not store your API HashKey and API HashIV data in javascript.

5. Generating Purchasing Order

After a user purchases at merchant (seller member) store, it (seller member) should POST the page to allPay so that allPay could settle the payment. We suggest that merchant (seller member) open the form submission in a new window/tab while generating purchasing order.

API URL:

Official environment

<https://payment.allpay.com.tw/Cashier/AioCheckOut/V2>

Testing Environment

<https://payment-stage.allpay.com.tw/Cashier/AioCheckOut/V2>

POST :

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
MerchantID	Merchant Identification number(provided by allPay)	Varchar(10)		Must be filled	2000132
MerchantTradeNo	Merchant trade number	Varchar(20)	Merchant trade number could not be repeated. It is composed with upper and lower cases of English letter and numbers.	Must be filled	allpay1234
MerchantTradeDate	Merchant trade date	Varchar(20)	yyyy/MM/dd HH:mm:ss Formatted as yyyy/MM/dd HH:mm:ss	Must be filled	2012/03/21 15:40:18
PaymentType	Payment type	Varchar(20)	Please use aio as its value	Must be filled	aio
TotalAmount	Trade amount	Money		Must be filled	5000
TradeDesc	Trade description	Varchar(200)		Must be filled	allPay shopping store
ItemName	Item Name	Varchar(200)	If there are more than one item name and would like to show cash flow selection page line by line, separate the item name with symbol #.	Must be filled	Cellphone NTD\$ 20 x2#USB Storage NTD\$ 60 x1.
ReturnURL	Return URL for payment complete notification	Varchar(200)	When a customer made a payment, payment result would be sent by server back end and return to this URL.	Must be filled	http://www.allpay.com.tw/receive.php
ChoosePayment	Select default payment type	Varchar(20)	allPay would provide follow payment types, please send it when generating an order: Credit: Credit Card. WebATM: webATM. ATM: physical ATM.	Must be filled	WebATM

			<p>machine. CVS: CVS code. Tenpay: Tenpay TopUpUsed: consume with account balance. ALL: no selected payment type. allPay would show the page to select payment type.</p>		
CheckMacValue		Varchar	Please refer to Verification Code Mechanism in appendix.	Must be filled	
ClientBackURL	URL for returning pages from Client to merchant.	Varchar(200)	<p>allPay would show payment complete page .That page would include “back to merchant” button. When a member clicks this button, it would redirect webpage to URL it set up. If this parameter is not set up, allPay payment complete page would not show “back to merchant” button.</p> <p>※When redirect webpage, it would simply return the page instead of redirecting payment result to this URL.</p>	Could be empty	http://www.allpay.com.tw/S hopping/Detail
ItemURL	Item URL	Varchar(200)		Could be empty	
Remark	Remark	Varchar(100)	Leave it as blank for now.	Could be empty	
ChooseSubPayment	Select the default setup for sub payment.	Varchar(20)	<p>If this is set up correctly, users are unable to see cash flow selection page. He could select payment type directly, but “Credit” and “TopUpUsed) would not include this function.</p> <p>For example: if set WebATM on ChoosePayment and set TAISHIN on ChooseSubPayment, then this trade would be made through Tai Shin Bank webATM.</p> <p>Please refer to Table of Payment Type.</p>	Could be empty	TAISHIN
OrderResultURL	Payment result URL returned by Client end	Varchar(200)	After a payment is made, and then allPay would redirectly webpage again to this URL with payment	Could be empty	http://www.allpay.com.tw/client.php

			<p>result parameter. If this parameter is left as blank, it would show payment complete on allPay webpage.</p> <p>If one would show payment complete webpage on his own site, set up the URL in this parameter.</p> <p>(Some of the webATM banks would stay at their own webpages after a trade is made successfully. It would not redirect webpages to allPay; thus, allPay would not redirect webpages to the URL this parameter set up.)</p> <p>※If this parameter is set up, ClientBackURL parameter would be disable.</p>		
NeedExtraPaidInfo	If there is a need for an extra payment information	Varchar(1)	<p>Set up payment complete notification, return information of order query, and decide if there is a for an extra payment information (for return information, please refer to Additional Return Parameter).</p> <p>Default as N, not reply extra information. When the parameter is Y, then reply with extra information.</p>	Could be empty	N
DeviceSource	Device Source	Varchar(10)	This parameter would set different layout of payment type selection webpage according to the value it takes.	Could be empty	P
IgnorePayment	Ignore payment type	Varchar(100)	<p>When using ALL as ChoosePayment, user could select not to show his payment type. If there are more than one payment type, separate them by symbol #.</p> <p>Usable values: Credit: Credit Card WebATM: webATM ATM: physical ATM Machine CVS: CVS code</p>	Could be empty	ATM#WebATM

			Tenpay: Tenpay TopUpUsed: consume with account balance		
PlatformID	Merchant platform identification number(provid ed by allPay)	Varchar(10)	This parameter is for project based merchants. The others should leave this as blank. If it is working with a project based merchant, use the MerchantID which seller has appointed with. ※If there are values in both AllPayID and AccountID, PlatformID could not be left as blank.	Could be empty	
InvoiceMark	Electronic invoice remark	Varchar(1)	This parameter would help generating an invoice after payment is made. <u>If would like to generated an invoice, set Y as its value.</u>	Could be empty	
HoldTradeAMT	Whether or not to hold the allocation	Int	Whether or not to hold the allocation. If no, take 0 (default value) as its value. If yes, take 1 as its value. Meaning of values listed below: 0: allPay according to the contract has allocated the payment to merchant after buyer made his payment (this is set as default value). 1: after buyer made his payment it needs to call “Merchant Allocation/Refund Request” API so that allPay could make the payment to merchant. If merchant does not request for allocation, this order would be kept in allPay until merchant apply for its allocation. ※This is not suitable for paying by “Credit Card” and “Tenpay.”	Could be empty	0
EncryptType	CheckMacVal ue encryption type	Int	0:MD5 (default setting) 1:SHA256	Could be empty	

When ChoosePayment parameter is using ATM as payment type:

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
ExpireDate	Effective payment period	Int	At most 60 days; at least 1 day. Defaulted as 3 days if this is left as blank.	Could be empty	7
PaymentInfoURL	Payment related information returned by Server end	Varchar(200)	allPay would return the payment related information webpage as a Server end to merchant after an order is generated (not after a payment is made). It includes not only bank code, virtual account, and expiration date (yyyy/MM/dd). It would also show related payment information on allPay.	Could be empty	http://www.allpay.com.tw/paymentinfo.php
ClientRedirectURL	Payment related information returned by Client end	Varchar(200)	allPay would return the payment related information webpage as a Client end to merchant after an order is generated (not after a payment is made). It would include the bank code, virtual account, and expiration date (yyyy/MM/dd). If this value is left as empty, it would show the order generated page in allPay webpage. If would like to show this page in your site, please set up the URL. ※ If this parameter is set up, ClientBackURL parameter would be disable.	Could be empty	http://www.allpay.com.tw/ClientRedirectURL.php

When ChoosePayment parameter is using CVS as payment type:

Parameter	Parameter name	Pattern	Instruction	Blank or must be filled	Example
StoreExpireDate	Expiration date of paying at CVS	int	CVS: If the parameter value > 100, in minutes, if the parameter value <= 100 in days for the unit.	Could be empty	
Desc_1	Trade description 1	Varchar(20)	It would be displayed on the screen of CVS payment platform	Could be empty	Trade description 1

Desc_2	Trade description 2	Varchar(20)	It would be displayed on the screen of CVS payment platform	Could be empty	Trade description 2
Desc_3	Trade description 3	Varchar(20)	It would be displayed on the screen of CVS payment platform	Could be empty	Trade description 3
Desc_4	Trade description 4	Varchar(20)	It would be displayed on the screen of CVS payment platform	Could be empty	Trade description 4
PaymentInfoURL	Payment related information returned by Server end	Varchar(200)	allPay would return the payment related information webpage as a Server end to merchant after an order is generated (not after a payment is made). It would not only include payment code and CVS customer pays at but also show payment related information on allPay.	Could be empty	http://www.allpay.com.tw/paymentinfo.php
ClientRedirectURL	Payment related information returned by Client end	Varchar(200)	allPay would return the payment related information webpage as a Client end to merchant after an order is generated (not after a payment is made). It would include the bank code, virtual account, and expiration date (yyyy/MM/dd). If this value is left as empty, it would show the order generated page in allPay webpage. If would like to show this page in your site, please set up the URL. ※If this parameter is set up, ClientBackURL parameter would be disable.	Could be empty	http://www.allpay.com.tw/ClientRedirectURL.php

When ChoosePayment parameter is using Tenpay as payment type:

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
ExpireTime	Payment expired date	Varchar(20)	Formated as yyyy/MM/dd HH:mm:ss This value will take at most 72 hours after a trade is made. If this value is left as blank, system would set the value exactly 72 hours after trade is made.	Could be empty	

When ChoosePayment parameter is using Credit as payment type (below parameters are not allowed to be used with Installment through Credit Card Parameter):

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
CreditInstallment	Number of payment on credit card installment	Int	When a member select credit card as its payment type, seller should notify customers on the number of payment on credit card installment if he is willing to provide installment service. If it is not paying by credit card with installment, take 0 as its value/	Could be empty	
InstallmentAmount	Paying by credit card with installment.	Money	If the amount of paying by credit card with installment is greater than original total payment amount, take installment amount as its value. If it is not paying by credit card with installment, take 0 as its value/	Could be empty	
Redeem	If credit card is using bonus point to redeem payment	Varchar(1)	If it is set as Y, it means when an allPay member selects credit card as its payment type, webpage would go to bonus points redemption trade process directly.	Could be empty	

When ChoosePayment parameter is using Credit with installment as its payment type, the below parameter must be sent to allPay (below parameters could not be set with credit card with installment in the same time):

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
PeriodAmount	Each authorized amount	Int	Each authorized amount. When there is a value for this parameter, allPay would authorize PeriodAmount and change the value of TotalAmount to this amount. It means this trade would be considered as an installment. (When there is a value for this parameter, set the same value for TotalAmount	Could be empty	2000

			and PeriodAmount.)		
PeriodType	Period type	Varchar(1)	<p>The parameter could be set as below: D: day M: month Y: year</p> <p>When PeriodType is set as D, it uses day as one period. When PeriodType is set as M, it uses month as one period. When PeriodType is set as Y, it uses year as one period.</p> <p>※When it is using installment, this parameter has to be set up.</p>	Could be empty	M
Frequency	Frequency	Int	<p>This parameter defines the time period to exercise a payment. This value has to be greater than 1.</p> <p>When PeriodType is set as Y, it could be set at most 365 times.</p> <p>When PeriodType is set as M, it could be set at most 12 times.</p> <p>When PeriodType is set as Y, it could be set at most 1 times.</p> <p>※When it is using installment, this parameter has to be set up.</p>	Could be empty	2
ExecTimes	Exercised times	Int	<p>Total exercise times. Amount has to be greater than 1.</p> <p>When PeriodType is set as D, it could be set at most 999 times.</p> <p>When PeriodType is set as M, it could be set at most 99 times.</p> <p>When PeriodType is set as Y, it could be set at most 9 times.</p> <p>Ex1: when there is a monthly 500 dollars</p>	Could be empty	12

			<p>installment with 12 payments, take value 500 for PeriodAmount, M for PaymentType, 1 for Frequency, and 12 for ExecTime.</p> <p>Ex2: when there is a monthly installment with 12 payments deducted from 6,000 dollars, take value 6000 for TotalAmount, M for PaymentType, 1 for Frequency, and 12 for ExecTime.</p> <p>※This parameter must be set if using installment.</p>		
PeriodReturnURL	Installment process result reply URL	Varchar(200)	<p>If the trade is proceed with installment through credit card, every time an authorization is complete, the result will be sent to this URL.</p> <p>Please refer to Payment Result Notification Instruction on return message.</p>	Could be empty	

When InvoiceMark parameter is Y, createinvoice with the following parameter after finish the payment

Parameter	Parameter name	Pattern	Instruction	Blank must be filled	or be	Example
RelateNumber	Merchant customized number	Varchar(30)	Could not be repeated	Must be filled	be	
CustomerID	Customer identification	Varchar(20)	<p>Defaulted as blank.</p> <p>When carrier type has value 1 (member carrier), parameter could not be left as empty.</p> <p>When the parameter is not an empty message, only accept lettersm numbers, and underlined characters.</p>	Must be filled	be	
CustomerIdentifier	VAT number (Unified Business Number)	Varchar(8)	<p>Defaulted as blank.</p> <p>When the parameter is not an empty message, fix its length to eight digits composed by numbers.</p>	Must be filled	be	
CustomerName	Customer name	Varchar(20)	Defaulted as blank.	Must be filled	be	

			<p>When Print has value 1 (to print), this value could not be left as blank message.</p> <p>When the parameter is not an empty message, it would only take Chinese character, English letter and number as units and code it by UrlEncode.</p>		
CustomerAddr	Customer address	Varchar(200)	<p>Defaulted as blank.</p> <p>When Print has value 1 (to print), this value could not be left as blank message.</p> <p>When the value is not a blank message, the value of parameter will be encoded by UrlEncode.</p>	Must be filled	
CustomerPhone	Customer cellphone number	Varchar(20)	<p>Defaulted as blank.</p> <p>When customer's email address is left as blank, this parameter could not be left as an empty message.</p> <p>When this parameter is not left as blank, formatted this as number.</p>	Must be filled	
CustomerEmail	Customer Email address	Varchar(200)	<p>Defaulted as blank.</p> <p>When customer's cellphone number is left as blank, this parameter could not be left as an empty message.</p> <p>When the value is not a blank message, the value of parameter will be encoded by UrlEncode.</p>	Must be filled	
ClearanceMark	Clearance on border	Varchar(1)	<p>Defaulted as blank.</p> <p>When tax type is 2(0 tax),use parameter 1(customs) or 2(non-customs)</p>	Must be filled	
TaxType	Tax type	Varchar(1)	<p>Setup parameter value according to below situations:</p> <p>Take 1 as its value if tax type is taxable.</p> <p>Take 2 as its value if tax type has no rate.</p> <p>Take 3 as its value if tax type is exemptional.</p> <p>If its mixing with taxable and exemptional taxes</p>	Must be filled	

			(only if cash register could not recognize the tax type and need to apply for approval by related department), take 9 as its value.		
CarrierType	Carrier type	Varchar(1)	<p>Setup parameter value according to below situations:</p> <p>If there is no carrier, leave it as blank.</p> <p>Take 1 as its value if carrier type is member carrier.</p> <p>Take 2 as its value if carrier type is buyer's MOICA number.</p> <p>Take 3 as its value if carrier type is buyer's cellphone code.</p> <p>If VAT number (Unified Business Number) is not blank, then carrier type will not be member carrier or MOICA carrier.</p>	Must be filled	
CarrierNum	Carrier number	Varchar(64)	<p>When carrier type is none or member carrier, leave it as blank.</p> <p>When carrier type is buyer's MOICA, fix the length to 16 digits with 2 digits of upper or lower cases of English letter and 14 digits of numbers.</p> <p>When carrier type is the buyer's cellphone code, please make sure the length of it is 8 and which should be composed by a "+" and seven other digits of plus or minus sign, period, numbers, or upper or lower cases of English letter.</p>	Must be filled	
Donation	Donation remark	Varchar(1)	<p>Defaulted as 1 (to donate) or could be change to 2 (not to donate)</p> <p>If NAT Number (Unified Business Number) is not blank message, take 2 (not to donate) as its value.</p>	Must be filled	
LoveCode	Love code	Varchar(7)	<p>Defaulted as blank.</p> <p>When donation remark has value 1 (to donate), the length of this parameter should have 3 to 7 digits in number or a</p>	Must be filled	

			“x” with upper or lower case and 2 to 6 digits in number.		
Print	Print	Varchar(1)	<p>Defaulted as 0 (not to print) or could be change to 1 (to print)</p> <p>When donation remark has value 1 (to donate), take 0 (not to print) as its value.</p> <p>When VAT number (Unified Business Number) is not a blank message, take 1 (to print) as its value.</p>	Must be filled	
InvoiceItemName	Item name	Varchar(Max)	<p>Defaulted as must be filled and formated as item name 1 item name 2 item name 3 ... item name n</p> <p>When there are two or more item names, use symble “ ” to separate them.</p> <p>The value of parameter will be encoded by UrlEncode.</p>	Must be filled	
InvoiceItemCount	Item quantity	Varchar(Max)	<p>Defaulted as must be filled and formated as item 1 quantity item 2 quantity item 3 quantity ... item n quantity</p> <p>When there are two or more items, use symble “ ” to separate them.</p>	Must be filled	
InvoiceItemWord	Item unit	Varchar(Max)	<p>Defaulted as must be filled and formated as item unit 1 item unit 2 item unit 3 ... item unit n</p> <p>When there are two or more item units, use symble “ ” to separate them.</p> <p>The value of parameter will be encoded by UrlEncode.</p>	Must be filled	
InvoiceItemPrice	Item price	Varchar(Max)	<p>Defaulted as must be filled and formated as item price 1 item price 2 item price 3 ... item price n</p> <p>When there are two or more item prices, use symble “ ” to separate them.</p>	Must be filled	

InvoiceItemTaxType	Item Tax Type	Varcahr(Max)	<p>Defaulted as must be filled and formated as tax type 1 tax type 2 tax type 3 ... tax type n When there are two or more tax types, use symble “ ” to separate them.</p> <p>Tax type should mix in both taxable and exemption. When TaxType = 9, if this item is taxable then take 1 as value; if this item is exemptional then take 3 as its value.</p> <p>Need to have two or more item tax type, at least one item tax type is taxable, and at least one item tax type is exemptional.</p>	Must be filled	
InvoiceRemark	Remark	Varchar(Max)	<p>Defaulted as blank message When this parameter is not presented as blank message, this value should be coded by UrlEncode.</p>	Must be filled	
DelayDay	Days delayed	Int	<p>Defaulted as 0 and at most 15. When value becomes 0, an invoice must be generated right after payment.</p>	Must be filled	
InvType	Invoice type	Varchar(2)	<p>Setup parameter value according to below situations: Take 07 as its value if the tax type is general. Take 08 as its value if the tax type is special.</p>	Must be filled	

※Attention:

Note 1: if there is a need to use POST function on order query, before testing API, please go to Merchant Back End → basic information query → merchant basic information to setup WAN IP address of your server. (this is only needed for official environment. For testing environment this procedure is not necessary.)

Note 2: when a parameter is listed as “must be filled,” it means this parameter must be included when sending to allPay. If a parameter is listed as “could be empty,” it is not necessary to send such parameter to allPay.

Note 3: when receive a payment notification, system developer should confirm below procedure in order to receive payment notifications from allPay.

- (1) Please make sure the program in ReturnURL created when an order is generated is fully developed.
- (2) Please make sure the URL in ReturnURL is on WAN instead of LAN.
- (3) Please make sure your Server has open up the firewall access so that the payment notification will not be blocked by it.
- (4) Only port 443 will be allowed by the security policies.

6. Get Number Result Notification for ATM, CVS

When an order is generated with ATM, CVS as its payment type, the below

POST parameter instruction:

Parameter	Parameter Name	Pattern	Instruction	Example
MerchantID	Merchant Identification number	Varchar(10)		2000132
MerchantTradeNo	Merchant trade number	Varchar (20)	When order is generated, it would send allPay cooperators a trade number with upper and lower cases of English letters and numbers.	123456abc
RtnCode	Trade status	Int	Successfully gets the number for ATM when value is 2. Successfully gets the number for CVS when value is 10100073. The others mean failure.	2
RtnMsg	Trade message	Varchar(200)		Get VirtualAccount Succeeded
TradeNo	allPay trade number	Varchar(20)	Please keep the connection between allPay trade number and MerchantTradeNo.	201203151740582564
TradeAmt	Trade amount	Money		22000
PaymentType	Payment type selected by member	Varchar(20)	Please refer to Table of Replied Payment Type	ATM_TAISHIN
TradeDate	Date when an order is generated	Varchar(20)	Formatted as yyyy/MM/dd HH:mm:ss	2012/03/15 17:40:58
CheckMacValue	Verification code	Varchar	Merchants need to identify themselves through verifying CheckMacValue. Please refer to Verification Code Mechanism in appendix.	

When ChoosePayment parameter is using ATM as payment type:

Parameter	Parameter Name	Pattern	Instruction	Example
BankCode	Bank code	Varchar(3)		812
vAccount	Virtual payment account	Varchar(16)		9103522175887271
ExpireDate	Expiration Date	Varchar(10)	Format as yyyy/MM/dd	2013/12/16

When ChoosePayment parameter is using CVS as payment type:

Parameter	Parameter Name	Pattern	Instruction	Example
PaymentNo	Payment number	Char(14)		GW130412257496
ExpireDate	Expiration date	Varchar(20)	Format as yyyy/MM/dd HH:mm:ss	2013/12/16 18:00:00

7. Payment Result Notification

(1)When an allPay member makes a payment, below parameter would be released via Server POST to your ReturnURL. Please respond to the message when receive it.

POST parameter instruction:

Parameter	Parameter Name	Pattern	Instruction	Example
MerchantID	Merchant Identification number	Varchar(10)		2000132
MerchantTradeNo	Merchant trade number	Varchar (20)	When order is generated, it would send allPay cooperators a trade number with upper and lower cases of English letters and numbers.	123456abc
RtnCode	Trade status	Int	Value 1 means a payment is paid successfully. The other means failure.	1
RtnMsg	Trade message	Varchar(200)		Paid
TradeNo	allPay trade number	Varchar(20)	Please keep the connection between allPay trade number and MerchantTradeNo.	201203151740582564
TradeAmt	Trade amount	Money	If an allPay member select paying by installment through credit card, this trade amount would be returned to seller with InstallmentAmount when this order is generated.	22000
PaymentDate	Payment date	Varchar(20)	Formatted as yyyy/MM/dd HH:mm:ss	2012/03/16 12:03:12
PaymentType	Payment type selected by member	Varchar(20)	Please refer to Table of Replying Payment Type	ATM_TAISHIN
PaymentTypeCharge Fee	Access fee	Money		25
TradeDate	Date of order generated	Varchar(20)	Formatted as yyyy/MM/dd HH:mm:ss	2012/03/15 17:40:58
SimulatePaid	If it is simulated payment.	Int	Value 1 means simulated payment. Value 0 means not simulated payment. For more convenient API testing, seller can use back-end platform to simulate payment. When the value of SimulatePaid is 1, RtnCode would be 1 also. This means the order is using simulated payment instead of a customer makes an actual payment. Hence, allPay will not allocate payment to merchant. Please do not release any items on this order to avoid any related losses. When the value of SimulatePaid is 1, RtnCode would be 1 also. This means the order is using simulated payment instead of a customer makes an actual payment. Hence, allPay will not allocate payment to	0

			merchant. Please do not release any items on this order to avoid any related losses.	
CheckMacValue	Verification code	Varchar	Merchants need to identify itself through verifying CheckMacValue. Please refer to Verification Code Mechanism in appendix.	

When seller member receives Server Post message, please return this message on webpage directly. If it does not respond 1|OK, allPay will keep resending message. Please do not include any HTML tag, space, or other symbols.

Return Message:

Correct : 1|OK

Error : 0|ErrorMessage

※Attention:

Note1: When a seller member receives an information, he should confirm whether or not the CheckMacValue is correct and make sure he makes further related process on such order notification. If he misses the confirmation, he would be responsible for all consequences.

Note 2: if a correct message is not received, system will release another message to merchant (seller member) for every three minutes. It would send three messages automatically per day, and additional message would be released on the next day.

(2): When an order is paid by installment through credit card, every success authorization will release below parameter via Server POST to your PeriodReturnURL. Please respond to the message when receive it.

POST parameter Instruction:

Parameter	Parameter Name	Pattern	Instruction	Example
MerchantID	Merchant Identification number	Varchar(10)		2000132
MerchantTradeNo	Merchant trade number	Varchar (20)	When order is generated, it would send allPay cooperators a trade number with upper and lower cases of English letters and numbers.	123456abc
RtnCode	Trade Status	Int	Value 1 means successfully authorized, and the others mean failure.	1
RtnMsg	Trade message	Varchar(200)	Trade message	success
PeriodType	Period type	Varchar(1)	Period type when a purchasing order is generated.	M
Frequency	Frequency	Int	Exercised frequency when a purchasing order is generated.	2
ExecTimes	Exercised times	Int	Exercised times when a purchasing order is generated.	12
Amount	Authorized amount for this payment.	Int	Authorized amount for this payment.	2000
Gwsr	Authorized trade number	Int	Authorized trade number for this payment.	120326

ProcessDate	Process date	Varchar(20)	Process date (yyyy/MM/dd HH:mm:ss)	2013/11/12 12:01:32
AuthCode	AuthCode	Varchar(6)	AuthCode	777777
FirstAuthAmount	First authorized amount	Int	First authorized amount. This is because installment amount is depended on trade amount (TotalAmount). After payment is divided into periodic payment, the differences would be taken from the first payment.	2000
TotalSuccessTimes	Total number of successfully authorized	Int	Total number of successfully authorized at this moment.	3
SimulatePaid	If it is simulated payment.	Int	<p>Value 1 means simulated payment. Value 0 means not simulated payment.</p> <p>For more convenient API testing, seller member could perform installment query simulation and receives a message sent by allPay by going through merchant back end webpage.</p> <p>※Currently the simulated payment notification could be sent only by merchant back end installment query. In this way, allPay would be able to release such parameter. Normally payment notification on installment query process will not send such parameter.</p> <p>When the value of SimulatePaid is 1, RtnCode would be 1 also. This means the order is using simulated payment instead of a customer makes an actualy payment. Hence, allPay will not allocate payment to merchant. Please do not release any items on this order to avoid any related losts.</p>	0
CheckMacValue	Verification code	Varchar	Merchants need to identify itself through verifying CheckMacValue. Please refer to Verification Code Mechanism in appendix.	

When seller member receives Server Post message, please return this message on webpage directly. If it does not respond 1|OK, allPay will keep resending message. Please do not include any HTML tag, space, or other symbols.

Return Message:

Correct : 1|OK

Error : 0|ErrorMessage

Note1: When a seller member receives an information, he should confirm whether or not the CheckMacValue is correct and make sure he makes further related process on such order notification. If he misses the confirmation, he would be responsible for all consequences.

Note 2: if a correct message is not received, system will release another message to merchant (seller member) for every three minutes. It would send three messages automatically per day, and additional message would be released on the next day.

8. Order Query (Merchant → allpay. This API could be integrated depending on merchant's demand.)

Merchant starts order query process

(limited IP access, please goes to merchant back end system -> basic information query -> merchant information and sets IP configuration.)

Http Post

Official Environment

<https://payment.allpay.com.tw/Cashier/QueryTradeInfo/V2>

Testing Environment

<https://payment-stage.allpay.com.tw/Cashier/QueryTradeInfo/V2>

POST Parameter Instruction :

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
MerchantID	Merchant Identification number (provided by allPay)	Varchar(10)		Must be filled	2000132
MerchantTradeNo	Merchant trade number	Varchar(20)	When order is generated, it would send allPay cooperators a trade number with upper and lower cases of English letters and numbers.	Must be filled	allpay1234
TimeStamp	Time stamp	Int	Transform time formatted to UnixTimeStamp (refer to example) for setting a period for authorization. Effective allPay time period for authorization would be 3 minutes. Beyond that the API for this process would be void. Reference information: http://www.epochconverter.com/	Must be filled	1234567890
PlatformID	Merchant platform identification number(provided by allPay)	Varchar(10)	This parameter is for project based merchants. The others should leave this as blank. If it is working with a project based merchant, use the MerchantID which seller has appointed with.	Could be empty	
CheckMacValue	Verification code	Varchar	Please refer to Verification Code Mechanism in appendix.	Must be filled	

Order result would be returned to the page directly and shown as “parameter=value.” Different parameter will be separated by &.
Merchant=123456789&MerchantTradeNo=123456abc&TradeNo=201203151740582564

Return parameter instruction:

Parameter	Parameter Name	Pattern	Instruction	Example
MerchantID	Merchant Identification number	Varchar (9)		2000132
MerchantTradeNo	Merchant trade number	Varchar (20)	When order is generated, it would send allPay cooperators a trade number with upper and lower cases of English letters and numbers.	123456abc
TradeNo	allpay TradeNo	Varchar(20)		201203151740582564
TradeAmt	Trade amount	Money	If an allPay member selects paying by installment through credit card, this trade amount would be returned to seller with InstallmentAmount when this order is generated.	22000
PaymentDate	Payment date	Varchar(20)	Formatted as yyyy/MM/dd HH:mm:ss	2012/03/16 12:03:12
PaymentType	Payment type chosen by member.	Varchar(20)	Please refer to Table of Replying Payment Type	ATM_TAISHIN
HandlingCharge	Total amount of transaction fee	Money	Only counted after contract is over. Before that the value would be 0.	
PaymentTypeCharge Fee	Access fee	Money		25
TradeDate	Order generated date	Varchar(20)	Formatted as yyyy/MM/dd HH:mm:ss	2012/03/15 17:40:58
TradeStatus	Trade status	Varchar(8)	Please refer to Table of Trade status code	
ItemName	Item name	Varchar(200)		
CheckMacValue	Verification code	Varchar	Please refer to Verification Code Mechanism in appendix.	

9. Additional Return Parameter

There are additional return value on payment result notification and order, and CheckMacValue is counted in this calculation. It will return below values.

When ChoosePayment parameter is using webATM as payment type:

Parameter	Parameter Name	Pattern	Instruction	Example
WebATMAccBank	Payer bank account number	Char(3)	If this bank does not provide such service, it would return value as blank.	812
WebATMAccNo	Last five digits of payer bank account	Char(5)	If this bank does not provide such service, it would return value as blank.	12345
WebATMBankName	WebATM bank name	Varchar(10)	Please refer to Table of Payment Type	TAISHIN

When ChoosePayment parameter is using ATM as payment type:

Parameter	Parameter Name	Pattern	Instruction	Example
ATMAccBank	Payer bank account number	Char(3)	If this bank does not provide such service, it would return value as blank.	812
ATMAccNo	Last five digits of payer bank account	Char(5)	If this bank does not provide such service, it would return value as blank.	12345

When ChoosePayment parameter presents is CVS as payment type:

Parameter	Parameter Name	Pattern	Instruction	Example
PaymentNo	Payment no	Char(14)		GW120821847169
PayFrom	CVS payment	Varchar(10)	family: Family Mart hilife: Hiflife okmart: OK Mart ibon: 7-11	family

When ChoosePayment parameter is using Tenpay as payment type:

Parameter	Parameter Name	Pattern	Instruction	Example
TenpayTradeNo	Tenpay trade number	Varchar(20)		12141540012013100303

When ChoosePayment parameter is using Credit as payment type:

Parameter	Parameter Name	Pattern	Instruction	Example
gwsr	Authorized trade number	Int		10123456
process_date	Process date	Varchar(20)	Formated as yyyy/MM/dd HH:mm:ss	2013/12/19 13:55:20
auth_code	Authorized code	Varchar(6)		777777
amount	Amount	Int		400
stage	Number of periods	Int		3
stast	Down payment amount	Int		134
staed	Each pamynet amount	Int		133
eci	3D(VBV)	Int	Return value (eci=5, 6, 2, or 1 mean this trade is undeniable)	5
card4no	Last four digits of credit card	Varchar(4)		2222
card6no	First six digits of credit card	Varchar(6)		431195
red_dan	Bonus point redemption	Int		0
red_de_amt	Amount bonus points redeemed	Int		0
red_ok_amt	Actual deduction amount	Int		0
red_yet	Remaining bonus points	Int		0
PeriodType	Period type when an order is generated	Varchar(1)		D
Frequency	Frequency when an order is generated	Int		2
ExecTimes	Exercise number when an order is generated	Int		5
PeriodAmount	Authorized amount when an order is generated	int		200
TotalSuccessTimes	Total number of successfully authorized	Int		5
TotalSuccessAmount	Total successfully authorized amount	Int		1000

10. Credit Card Installment Order Query

Merchant could process credit card installment order query for each authorization detail.

API URL: (limited IP access, please goes to merchant back end system -> basic information query -> merchant information and sets IP configuration.)

Http Post

Official Environment

<https://payment.allpay.com.tw/Cashier/QueryCreditCardPeriodInfo>

Testing Environment

<https://payment-stage.allpay.com.tw/Cashier/QueryCreditCardPeriodInfo>

POST Parameter Instruction:

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
MerchantID	Merchant Identification number	Varchar(10)		Must be filled	1050123
MerchantTradeNo	Merchant trade number	Varchar(20)	When order is generated, it would send allPay cooperators a trade number with upper and lower cases of English letters and numbers.	Must be filled	allpay1234
TimeStamp	Time stamp	Int	Transform time format to UnixTimeStamp (refer to example) for setting a period for authorization. Effective allPay time period for authorization would be 3 minutes. Beyond that the API for this process would be void. Reference information: http://www.epochconverter.com/	Must be filled	1234567890
CheckMacValue	Verification code	Varchar	Please refer to Verification Code Mechanism in appendix.	Must be filled	

Query result would be return to the page directly with JSON format.

Example of return (in order to explain more clearly, the below sample has been typeset.)

```
{
  "MerchantID": "1050123",
  "MerchantTradeNo": "allpay1234",
  "TradeNo": "20140721173014442498",
  "RtnCode": 1,
  "PeriodType": "D",
  "Frequency": 1,
  "ExecTimes": 12,
  "PeriodAmount": 1000,
  "amount": 1000,
  "gwsr": 24548751,
  "process_date": "2014/07/21 17:35:45",
  "auth_code": "237523",
  "card4no": "2369",
  "card6no": "523782",
  "TotalSuccessTimes": 3,
  "TotalSuccessAmount": 3000,
  "ExecStatus": "1",
  "ExecLog":
```

```
[
  {"RtnCode":1,"amount":1000,"gwsr":24548751,"process_date":"2014/07/21 17:35:45","auth_code":"237523"},
  {"RtnCode":1,"amount":1000,"gwsr":24549277,"process_date":"2014/07/22 01:12:30","auth_code":"185279"},
  {"RtnCode":1,"amount":1000,"gwsr":24552639,"process_date":"2014/07/23 01:12:25","auth_code":"693851"}
]
```

JSON return could be divide into two parts: Primary Authorized Information and Authorized Installment Detail. Their instruction are listed as below:

(一) Primary Authorized Information (as part circled in red):

```
{
  "MerchantID":"1050123",
  "MerchantTradeNo":"Allpay_1234",
  "TradeNo":"20140721173014442498",
  "RtnCode":1,
  "PeriodType":"D",
  "Frequency":1,
  "ExecTimes":12,
  "PeriodAmount":1000,
  "amount":1000,
  "gwsr":24548751,
  "process_date":"2014/07/21 7:35:45",
  "auth_code":"237523",
  "card4no":"2369",
  "card6no":"523782",
  "TotalSuccessTimes":3,
  "TotalSuccessAmount":3000,
  "ExecStatus":"1",
  "ExecLog":
  [
    {"RtnCode":1,"amount":1000,"gwsr":24548751,"process_date":"2014/07/21 17:35:45","auth_code":"237523"},
    {"RtnCode":1,"amount":1000,"gwsr":24549277,"process_date":"2014/07/22 01:12:30","auth_code":"185279"},
    {"RtnCode":1,"amount":1000,"gwsr":24552639,"process_date":"2014/07/23 01:12:25","auth_code":"693851"}
  ]
}
```

Primary Authorized Information Parameter Instruction:

Parameter	Parameter name	Pattern	Instruction	Example
MerchantID	Merchant Identification number	Varchar (9)		1050123
MerchantTradeNo	Merchant trade number	Varchar (20)	When order is generated, it would send allPay cooperater a trade number with upper and lower cases of English letters and numbers.	allpay1234
TradeNo	allPay trade Number	Varchar(20)	The allPay trade number generated when the first trade is authorized.	20140721173014442498
RtnCode	Trade status	Int	Value 1 means successfully authorized, and the others are failure. Please use Table of Trade Message Code as a reference for the failure code.	1
PeriodType	Period type	Varchar(1)	Period type of a purchasing order when it is generated.	D
Frequency	Exercised	Int	Exercised frequency when a	1

	frequency		purchasing order is generated.	
ExecTimes	Exercised times	Int	Exercised times when a purchasing order is generated.	12
PeriodAmount	Each authorized amount	Int	The authorized amount when a purchasing order is generated.	1000
amount	Authorized amount	Int	Authorized amount	1000
gwsr	Authorized trade number	Int	Authorized trade number	24548751
process_date	Process date	Varchar(20)	Formatted as yyyy/MM/dd HH:mm:ss	2014/07/21 17:35:45
auth_code	Authorized code	Varchar(6)		237523
card4no	Last four digits of credit card	Varchar(4)	Last four digits of credit card	2369
card6no	First six digits of credit card	Varchar(6)	First six digits of card	523782
TotalSuccessTimes	Total number of successfully authorized	Int	Total number of successfully authorized	3
TotalSuccessAmount	Total successfully authorized amount	Int	Total successfully authorized amount	3000
ExecStatus	Periodical payments status	Varchar(1)	0: Canceled. 1: Processing. 2: Completed.	2

(二) Authorized Installment Detail (as the part circled in below example):

```
{
  "MerchantID":"1050123",
  "MerchantTradeNo":"allpay1234",
  "TradeNo":"20140721173014442498",
  "RtnCode":1,
  "PeriodType":"D",
  "Frequency":1,
  "ExecTimes":12,
  "PeriodAmount":1000,
  "amount":1000,
  "gwsr":24548751,
  "process_date":"2014/07/21 17:35:45",
  "auth_code":"237523",
  "card4no":"2369",
  "card6no":"523782",
  "TotalSuccessTimes":3,
  "TotalSuccessAmount":3000,
  "ExecStatus":"1",
  "ExecLog":
  [
    {"RtnCode":1,"amount":1000,"gwsr":24548751,"process_date":"2014/07/21 17:35:45","auth_code":"237523"},
    {"RtnCode":1,"amount":1000,"gwsr":24549277,"process_date":"2014/07/22 01:12:30","auth_code":"185279"},
    {"RtnCode":1,"amount":1000,"gwsr":24552639,"process_date":"2014/07/23 01:12:25","auth_code":"693851"}
  ]
}
```


Authorized Installment Detail Parameter Instruction

Parameter	Parameter Name	Pattern	Instruction	Example
ExecLog	Authrorization log	Non	Records all authorization. For example, if it has authorized successfully for tree times (TotalSuccessTime has value 3), it would show 3 records. Definition of each column is instructed as below.	
RtnCode	Trade status	Int	Value 1 means it is authorized. The other means failure. Please use Table of Trade Message Code as a reference for the failure code.	1
amount	Authorized amount	Int	Authorized amount.	1000
gwsr	Authorized trade number	Int	Authorized trade number	24549277
process_date	Process date	Varchar(20)	Formated as yyyy/MM/dd HH:mm	2014/07/22 01:12:30
auth_code	Authorization code	Varchar(6)		185279

11. Verification Code Mechanism

When exchanging information with allPay, all parameter will need to include verification code follow Verification Code Mechanism except CheckMacValue.

Consider below as an example of a message that needs to be encrypted.

```
TradeDesc=dafsdaff&PaymentType=allpay&MerchantTradeDate=2013/03/12
15:30:23&MerchantTradeNo=allpay1234&MerchantID=12345678&ReturnURL=http:sdfasdfa&ItemName=sdfasdfa&Total
Amount=500
```

Verification code is encrypted with the procedure below:

- Sort all parameter being sent alphabetically from A to Z (if the first letters of some parameter are the same, sort them by the second letter and so on) and connect all with &.

```
ItemName=sdfasdfa&MerchantID=12345678&MerchantTradeDate=2013/03/12
15:30:23&MerchantTradeNo=allpay1234&PaymentType=allpay&ReturnURL=http:sdfasdfa&TotalAmount=500&TradeDes
c=dafsdaff
```

- Add HashKey at the front of parameter and HashIV at the end of parameter.

```
HashKey=xdfaefasdfsdfa32d&ItemName=sdfasdfa&MerchantID=12345678&MerchantTradeDate=2013/03/12
15:30:23&MerchantTradeNo=allpay1234&PaymentType=allpay&ReturnURL=http:sdfasdfa&TotalAmount=500&TradeDes
c=dafsdaff&HashIV=sdfxfafaeafwexfe
```

- Apply URL encode on entire message.

```
HashKey%3Dxdfaefasdfsdfa32d%26ItemName%3Dsdfasdfa%26MerchantID%3D12345678%26MerchantTradeDate%3D
2013%2F03%2F12+15%3A30%3A23%26MerchantTradeNo%3Dallpay1234%26PaymentType%3Dallpay%26ReturnURL
%3Dhttp%3Asdfasdfa%26TotalAmount%3D500%26TradeDesc%3Ddafsdaff%26HashIV%3Dsdfxfafaeafwexfe
```

- Convert all to lower case.

```
hashkey%3Dxdfaefasdfsdfa32d%26itemname%3dsdfasdfa%26merchantid%3d12345678%26merchantradedate%3d2013%
2f03%2f12+15%3a30%3a23%26merchantradenno%3dallpay1234%26paymenttype%3dallpay%26returnurl%3dhttp%3asdf
asdfa%26totalamount%3d500%26tradedesc%3ddafsdaff%26hashiv%3dsdfxfafaeafwexfe
```

- Follow urlencode to convert characters.

```
hashkey%3Dxdfaefasdfsdfa32d%26itemname%3dsdfasdfa%26merchantid%3d12345678%26merchantradedate%3d2013%
2f03%2f12+15%3a30%3a23%26merchantradenno%3dallpay1234%26paymenttype%3dallpay%26returnurl%3dhttp%3asdf
asdfa%26totalamount%3d500%26tradedesc%3ddafsdaff%26hashiv%3dsdfxfafaeafwexfe
```

Please see “Attention Note 3” below.

- Use MD5 or SHA256 encryption type to generate a random code.

```
MD5 : 66b16070688f865c9f4b2da18e854948
```

```
SHA256 : 248a59d1ccfaa8776e50131b99c8d7fd63425e0d23804eee285fd7469a55a835
```

- Convert all to upper case and generate CheckMacValue

```
MD5 : 66B16070688F865C9F4B2DA18E854948
```

```
SHA256 : 248A59D1CCFAA8776E50131B99C8D7FD63425E0D23804EEE285FD7469A55A835
```

※Attention:

Note1: When a seller member receives an information sent by allPay, he should confirm whether or not the CheckMacValue is correct. If he misses the confirmation, he would be responsible for all consequences.

Note 2: if one could not generate CheckMacValue by following Verification Code Mechanism, he should refer to Receive Verification Code API.

Note 3: because the “UrlEncode” function may returns different values in different programming languages, please check if the “UrlEncode” function returns the value that match the value of the appendix [“urlencode Conversion Table”](#) column “.NET Coding (ALLPAY)”. If it does not match, then please replace them with the values of the column “.NET Coding (ALLPAY)”. For example, the “UrlEncode” function encodes “!” into “%21” in PHP language, and it does not match the value of column “.NET Coding (ALLPAY)”, so it is needed to replace “%21” into “!”, such as:

```
$sMacValue = str_replace('%2d', '-', $sMacValue);  
$sMacValue = str_replace('%5f', '_', $sMacValue);  
$sMacValue = str_replace('%2e', '.', $sMacValue);  
$sMacValue = str_replace('%21', '!', $sMacValue);  
$sMacValue = str_replace('%2a', '*', $sMacValue);  
$sMacValue = str_replace('%28', '(', $sMacValue);  
$sMacValue = str_replace('%29', ')', $sMacValue);
```

Please refer to the UrlEncode documentation of your programming language.

12. API Receive Verification Code API

If one could not generate CheckMacValue by following Verification Code Mechanism, he should POST parameter to this API and get its CheckMacValue.

API URL: (limited IP access, please goes to merchant back end system -> basic information query -> merchant information and sets IP configuration.)

Official environment

<https://payment.allpay.com.tw/AioHelper/GenCheckMacValue>

Testing Environment

<https://payment-stage.allpay.com.tw/AioHelper/GenCheckMacValue>

POST Parameter Instruction:

Put the parameter that are being POST in this API (no need to include CheckMacValue parameter). If there is a need to encrypt, enter EncryptType “0: MD5 (if this is left as blank, the value 0 is set as default) and 1: SHA256.” This API will follow the [Verification Code Mechanism](#) to generate verification code.

If there is a need to get verification code of order query, please refer its POST parameter to “[Purchasing Order Query](#)” POST Parameter Instruction. If there is a need to get verification code of other functions, please refer POST parameter from other parameter instruction.

For example:

POST order query parameter gets verification code from Verification Code API

Return result:

MD5 :

66B16070688F865C9F4B2DA18E854948

SHA256 :

248A59D1CCFAA8776E50131B99C8D7FD63425E0D23804EEE285FD7469A55A835

※Note:

Note 1: this API receives parameter sent by POST and goes through verification code mechanism to generate CheckMacValue. It will not verify whether or not the name, case, and number of parameter are correct. It would not verify if the parameter needs to be filled. This will require the developers confirm if parameter is correct by themselves.

13. Credit Card Settlement/Refund/Cancelation/Abandon API (if this API is not coded, the back end integration from merchant should also be able to take care of this function)

When a payment is successfully authorized, customer should receive a note and be able to call out this API to allPay and trigger the “Settlement,” “Refund,” “Cancelation,” or “Abandon” function.

- Settlement Instruction: when a payment is successfully authorized, customer should receive a note and be able to perform settlement through this API.
- Refund Instruction: this function could be used when an allocation is in place for an authorized trade, or the settlement was performed.
(For installment, it only performs full refund. For normal authorization, the refund could be partial.)
- Cancelation Instruction: this function could be used when customer is trying to trigger settlement or refund. Any allocation or refund could be canceled before it is sent to the bank which allocates at 00:00 pm.
- Abandon Instruction: this function could be used if and only if the authorized payment does not have any settlement record (in another words, this gives up the trade and do not ask for allocation).

API URL:

Official environment

<https://payment.allpay.com.tw/CreditDetail/DoAction>

Testing Environment

This API cannot be used in testing environment where the payment cannot be really authorized.

POST Parameter Instruction:

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
MerchantID	Merchant Identification number (provided by allPay)	Varchar(10)		Must be filled	2000132
MerchantTradeNo	Merchant trade number	Varchar(20)	When order is generated, it would send allPay cooperater a trade number with upper and lower cases of English letters and numbers.	Must be filled	allpay1234
TradeNo	allPay trade Number	Varchar(20)	Please keep the connection between allPay trade number and MerchantTradeNo.	Must be filled	1234567890
Action	Action	Varchar(1)	Specific action for example settlement requires putting C as its value. C: Settlement R: Refund E: Cancelation.	Must be filled	C

			N: Abandon		
TotalAmount	Amount	Money		Must be filled	22000
CheckMacValue	Verification Code	Varchar	Please refer to Verification Code Mechanism in appendix.	Must be filled	
PlatformID	Merchant platform identification number(provide d by allPay)	Varchar(10)	This parameter is for project based merchants. The others should leave this as blank. If it is working with a project based merchant, use the MerchantID which seller has appointed with.	Could be empty	

Order result will return to its page and shown as “parameter = value.” Parameters are separated by & as below:
 Merchant=123456789&MerchantTradeNo=123456abc&TradeNo=201203151740582564

Return parameter instruction:

Parameter	Parameter name	Pattern	Instruction	Example
MerchantID	Merchant Identification number	Varchar (9)		123456789
MerchantTradeNo	Merchant trade number	Varchar (20)	When order is generated, it would send allPay cooperator a trade number with upper and lower cases of English letters and numbers.	123456abc
TradeNo	allPay trade number	Varchar(20)		201203151740582564
RtnCode	Trade status	Int	1 means successes. The others present failure.	1
RtnMsg	Trade message	Varchar(200)		

14. Merchant Notifies Refund API

This API is not suitable for deferring payment (defer payment: when a purchasing order is generated, POST Parameter HoldTradeAMT has value 1). Please uses “[Merchant Allocation/Refund Request](#)” API to handle defer payment.

Merchants (member who sells) could use this API to return payment to the buyer’s allPay account while the buyer had login to pay.

API URL

Official environment

<https://payment.allpay.com.tw/Cashier/AioChargeback>

Testing Environment.

<https://payment-stage.allpay.com.tw/Cashier/AioChargeback>

POST Parameter Instruction :

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
MerchantID	Merchant Identification number (provided by allPay)	Varchar(10)		Must be filled	2000132
MerchantTradeNo	Merchant trade number	Varchar(20)	This trade number is composed when an order is generated. Trade number consists with upper and lower cases of English letters and numbers.	Must be filled	allpay1234
TradeNo	allPay trade number	Varchar(20)	allPay returns its trade number when a payment is made successfully.	Must be filled	201203151740582564
ChargeBackTotalAmount	Refund	Money		Must be filled	60
CheckMacValue	Verification code	Varchar	Please refer to Verification Code Mechanism in appendix.	Must be filled	
Remark	Remark	Varchar(100)	Leave it as blank for now.	Could be empty	
PlatformID	Merchant platform identification number(provide d by allPay)	Varchar(10)	This parameter is for project based merchants. The others should leave this as blank. If it is working with a project based merchant, use the MerchantID which seller has appointed with.	Could be empty	

When allpay receive refund notification, the following message would show on the page.

Response message:

Correct: 1|OK

Error: 0|ErrorMessage

15. Merchant Allocation/Refund Request

This API is not suitable for “Credit Card” and “Tenpay.” If there is a need to return credit card payment, please see API for “[Credit Card Settlement/Refund/Cancelation/Abandon.](#)”

This API is used for deferring payment (defer payment: when a purchasing order is generated, POST Parameter HoldTradeAMT has value 1)

When buyer complete his payment, call this API so that allPay would make the payment to merchant’s allPay account.

If there is a need to refund to buyer, allocate the amount as amount of trade minuses “amount of refund to buyer” then takes off the other commission fees.

API URL:

Official environment

<https://payment.allpay.com.tw/Cashier/Capture>

Testing Environment.

<https://payment-stage.allpay.com.tw/Cashier/Capture>

POST Parameter Instruction :

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
MerchantID	Merchant Identification number (provided by allPay)	Varchar(10)		Must be filled	2000132
MerchantTradeNo	Merchant trade number	Varchar(20)	When order is generated, it would send allPay cooperators a trade number with upper and lower cases of English letters and numbers.	Must be filled	allpay1234
CheckMacValue	Verification code	Varchar	Please refer to Verification Code Mechanism in appendix.	Must be filled	
CaptureAMT	Allocation request amount from merchant	Int		Must be filled	500
UserRefundAMT	Amount of refunding to customers	Int	If there is no need to refund to buyer, take 0 as value. Take “Amount of Trade” minus “necessary transaction fee” and allocate this amount to platform merchant. ※If there is a need to handle full refund or partial refund, take this parameter into account. Its range should be from 0 to Amount of Trade. ※CaptureAMT + UserRefundAMT = 訂單交易金額。 CaptureAMT + UserRefundAMT = Amount of Trade.	Must be filled	500
UserName	Buyer’s name	Varchar(20)	If there is a need to refund to buyer, take this parameter into account. Otherwise ignore it.※ If there is a need to refund to buyer, he must agree and become a member of	Could be Empty	John Smith 王大明

			allPay then collect refund with his membership account. allPay will verify buyer's membership through name and cellphone number.		
UserCellPhone	Buyer's cellphone number	Varchar(20)	If there is a need to refund to buyer, take this parameter into account. Otherwise ignore it.	Could be Empty	0975123456
PlatformID	Merchant platform identification number(provide d by allPay)	Varchar(10)	This parameter is for project based merchants. The others should leave this as blank. If it is working with a project based merchant, use the MerchantID which seller has appointed with.	Could be Empty	200012345
UpdatePlatformChargeFee	Whether or not changing merchant platform fee	Varchar(1)	When refunding to buyer where creates PlatformChargeFee on modifying "Generating Purchasing Order," put its value as Y. otherwise ignore this parameter. Parameter instruction: N: stays its fee as default value. Y: put in the new amount of fee. ※This parameter is for project based merchants. The others should leave this as blank.	Could be Empty	N
PlatformChargeFee	Merchant platform fee	Int	If setting Y for UpdatePlatformChargeFee, take this parameter in account. For example, if it fully refunds to buyer without charging platform fee, value for this parameter should be 0. ※Range of value would be from 0 to normal platform fee. ※This parameter is for project based merchants. The others should leave this as blank.	Could be Empty	
Remark	Remark	Varchar(30)		Could be Empty	

Allocation request result will return to the page and be shown as "parameter =value." Value between value will be separated by & as example shown below.

MerchantID=123456789&MerchantTradeNo=123456abc&TradeNo=201403151740582564&RtnCode=1
&RtnMsg=OK& AllocationDate=2015-02-06

Return Parameter Instruction:

Paramter	Parameter Name	Pattern	Instruction	Example
MerchantID	Merchant index	Varchar (9)		2000132
MerchantTradeNo	Merchant trade number	Varchar (20)	When order is generated, it would send allPay cooperatior a trade number with upper and lower cases of English letters and numbers.	123456abc
TradeNo	allPay trade number	Varchar(20)	allPay order trade number.	201403151740582564
RtnCode	Allocation request status	Int	Success has value 1. The others are failure.	1
RtnMsg	Return message	Varchar(200)		OK
AllocationDate	Estimate allocation date	Varchar(20)	Date formated is yyyy-MM-dd	2015-02-06

16. Download the Account Verification Media File

A Server Post function is provided to merchants to download the account verification media file with CSV format. This API will verify whether or not the merchant who downloads this file has IP that matches its own platform IP setting in “System Development Management/System API Setting/Authorized IP.” If they are the same, downloading access would be authorized.

API URL :

Official environment

<https://vendor.allpay.com.tw/PaymentMedia/TradeNoAio>

Testing Environment.

<https://vendor-stage.allpay.com.tw/PaymentMedia/TradeNoAio>

POST Parameter Instruction

Parameter	Parameter Name	Pattern	Instruction	Blank or must be filled	Example
MerchantID	Merchant Identification number(provide d by allPay)	Varchar(10)		Must be filled	123456789
DateType	Date type query	Varchar(1)	Payment Date has value 2. Allocation Date has value 4. Refund Date has value 5. Order Date has value 6.	Must be filled	2
BeginDate	Starting date query	Varchar(10)	Date formatted is “yyyy-MM-dd.”	Must be filled	2015-02-12
EndDate	Ending date query	Varchar(10)	Date format is “yyyy-MM-dd.”	Must be filled	2015-02-12
PaymentType	Payment type	Varchar(2)	Value is 01 if payment type is Credit Card. Value is 02 if payment type is WebATM. Value is 03 if payment type is ATM machine. Value is 04 if payment type is CVS code. Value is 07 if payment type is Tenpay. Value is 08 if payment type is Credit Card (OTP) Value is 09 if payment type is top up account/allPay account.	Could be Empty	02
PlatformStatus	Platform status	Varchar(1)	Under normal mode, this value is 1. Under platform mode, this value is 2. Ignore this parameter if it is under -all mode.	Could be Empty	0
PaymentStatus	Payment status	Varchar(1)	If there is no payment, value is 0, if payment is transferred, value is 1. If the order fails, value is 2. Ignore this parameter if payment type is -all,	Could be Empty	1
AllocateStauts	Allocation status	Varchar(1)	If payment is not allocated, value is 0.	Could be Empty	0

			If payment is allocated, value is 1. Please ignore this parameter if payment type is -all.		
MediaFormatted	CSV format	Varchar(1)	For old file format, value is 0. For new file format, value is 1.	Must be filled	1
CheckMacValue	Verification code	Varchar	Please refer to Verification Code Mechanism in appendix.	Must be filled	

Old file format:

Column Name	Pattern	Instruction
Order Date	Varchar	Yyyy/MM/dd hh:mm:ss is set as default format.
allPay transaction serial number	Varchar	
Merchant Order Index	Varchar	
ATM Code	Varchar	
Payment amount	int	
Payment type	Varchar	
Payment result	Varchar	
Payment date	Varchar	
Payment source (bank/CVS)	Varchar	
Access fee	int	
Transaction service fee rate (percentage/transaction)	Varchar	
Service fee	Int	
Receivables (net)	Int	
Allocation status	Varchar	
Allocation date	Varchar	Yyyy/MM/dd hh:mm:ss is set as default format.
Remark	Varchar	

New file format:

Column Name	Pattern	Description
Order Date	Varchar	Yyyy/MM/dd hh:mm:ss is set as default format.
Merchant order index	Varchar	
allPay order index	Varchar	
Name of platform	Varchar	
Payment type	Varchar	
Rate (each transaction)	Varchar	
CVS information/ATM payment account	Varchar	
Payment status	Varchar	
Payment amount	int	
Refund date	Varchar	Yyyy/MM/dd hh:mm:ss is set as default format.

Refund amount	Int	
Transaction fee	Int	
Platform fee	Int	
Receivables (net)	int	
Allocation status	Varchar	
Buyer Remark	Varchar	
Merchant Remark	Varchar	

※Note:

Note 1: An account verification media file could be downloaded once per minute.

Note 2: Downloading format is the same as the downloading format of “General Order Query/All-In-One Cash Flow Order” from Merchant platform.

Note 3: If no information is found, account verification media file includes only the name of each column.

Note 4: if an error occurs, account verification media file shows not only the name of each column but write in a note which records messages in column “Remark” or “Merchant Remark.” Other than that, the others would show empty value.

Note 5: File content is coded by BIG-5 as default.

17. Table of Trading Message Code

As error code is being updated continuously, to find more detailed error code information, please redirect to merchant platform -> system development management -> Table of Trading Message Code Query

Trading Code	Trading Message	Message in Chinese
1	Succeeded	Succeeded
2	Create Trade Succeeded.	Create Order Successfully.
10100001	IP Access Denied.	IP Access Denied.
10100050	Parameter Error.	Parameter Error.
10100054	Trading Number Repeated.	Trading Number Repeated
10100055	Create Trade Fail.	Fail to create order
10100058	Pay Fail.	Fail to pay
10100059	Trading Number cannot Be Found.	Trading Number cannot Be Found
10200001	Can not use trade service.	Trade services unavailable
10200002	Trade has been updated before.	Trade has been updated
10200003	Trade Status Error.	Trade Status Error
10200005	Price Format Error.	Incorrect pricing format
10200007	ItemURL Format Error.	Incorrect ItemURL format
10200047	Cant not find the trade data.	Unable to locate suitable order information
10200050	AllPayTradeID Error.	AllPayTradeID Error
10200051	MerchantID Error.	MerchantID Error
10200052	MerchantTradeNo Error.	MerchantTradeNo Error
10200073	CheckMacValue Error	CheckMacValue Error

18. Table of Payment type

Payment Type	Payment Type Sub	Payment Type Name
WebATM	TAISHIN	WebATM_Tai Shin Bank
	ESUN	WebATM_E.Sun Bank
	HUANAN	WebATM_Hua Nan Bank
	BOT	WebATM_Bank of Taiwan
	FUBON	WebATM_Taipei Fubon Bank
	CHINATRUST	WebATM_China Trust Bank
	FIRST	WebATM_First Bank
	CATHAY	WebATM_Cathy United Bank
	MEGA	WebATM_Mega Bank
	YUANTA	WebATM_Yuan Ta Bank
	LAND	WebATM_Land Bank
ATM	TAISHIN	ATM_Tai Shin Bank
	ESUN	ATM_E.Sun Bank
	HUANAN	ATM_Hua Nan Bank
	BOT	ATM_Bank of Taiwan
	FUBON	ATM_Taipei Fubon Bank
	CHINATRUST	ATM_China Trust Bank
	FIRST	ATM_First Bank
	LAND	ATM_Land Bank
	CATHAY	ATM_Cathy United Bank
	Tachong	ATM_TC Bank
	Sinopac	ATM_Bank Sinopac
	CHB	ATM_CHANG HWA BANK
CVS	CVS	Convenient store code payment
	OK	OK Mart code payment
	FAMILY	Family Mart code payment
	HILIFE	Hilife code payment
	IBON	7-11 ibon code payment
Tenpay		Tenpay

Credit		Credit Card_MasterCard_JCB_VISA
TopUpUsed	AllPay	Top up/Balance payment with Allpay

19. Table of Repling Payment Type

Payment Type	Payment Type Name
WebATM_TAISHIN	Tai Shin Bank WebATM
WebATM_ESUN	E.Sun WebATM
WebATM_HUANAN	Hua Nan Commercial Bank WebATM
WebATM_BOT	Bank of Taiwan WebATM
WebATM_FUBON	Taipei Fubon Bank WebATM
WebATM_CHINATRUST	China Trust Bank WebATM
WebATM_FIRST	First Bank WebATM
WebATM_CATHAY	Cathay United Bank WebATM
WebATM_MEGA	Mega Bank WebATM
WebATM_YUANTA	Yuan Ta Bank WebATM
WebATM_LAND	Land Bank Bank WebATM
ATM_TAISHIN	Tai Shin Bank ATM
ATM_ESUN	E.Sun Bank ATM
ATM_HUANAN	Hua Nan Bank ATM
ATM_BOT	Bank of Taiwan ATM
ATM_FUBON	Taipei Fubon Bank ATM
ATM_CHINATRUST	China Trust Bank ATM
ATM_FIRST	First Bank ATM
CVS_CVS	Convenient Store code payment
CVS_OK	OK Mart code payment
CVS_FAMILY	Family Mart code payment
CVS_HILIFE	HiLife code payment
CVS_IBON	7-11 ibon code payment
Tenpay_Tenpay	Tenpay
Credit_CreditCard	Credit card
TopUpUsed_AllPay	Top up/Balance payment with Allpay

20. URLEncode Conversion Table

Symbol	Coding Table	.NET Coding (ALLPAY)
-	%2d	-
_	%5f	_
.	%2e	.
!	%21	!
~	%7e	%7e
*	%2a	*
(%28	(
)	%29)
space	%20	+
@	%40	%40
#	%23	%23
\$	%24	%24
%	%25	%25
^	%5e	%5e
&	%26	%26
=	%3d	%3d
+	%2b	%2b
;	%3b	%3b
?	%3f	%3f
/	%2f	%2f
\	%5c	%5c
>	%3e	%3e
<	%3c	%3c
%	%25	%25
`	%60	%60
[%5b	%5b
]	%5d	%5d
{	%7b	%7b
}	%7d	%7d
:	%3a	%3a
'	%27	%27
"	%22	%22
,	%2c	%2c
	%7c	%7c