



Green World FinTech Service Co., Ltd.

Green World All-In-One API document

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Version History:

Version	Date	Content
V2.0.0	2016/08/19	Create
V2.0.1	2016/10/24	Removed "Obtaining Checksum API"
V2.0.2	2016/10/28	Payment results notification server DNS changed to postgate.ecpay.com.tw
V2.0.3	2016/11/03	Added parameter examples for payment result notifications
V2.0.4	2016/11/10	Added the ability to create special notes for the order payment methods field. Barcode and WebATM are not supported for mobile versions.
V2.0.5	2016/11/16	Added APIs for checking single credit card transaction details and downloading credit card disbursement balance statements
V2.0.6	2016/12/12	Checksum encryption method changed to required and must be encrypted using sha256
V2.0.7	2017/02/17	Added a test account for platform merchants in Stage
V4.0.0	2017/02/22	V4 version: added memory field for credit card used for order
V4.0.1	2017/02/23	Added a test account for platform merchants in Stage
V4.0.2	2017/03/09	Fixed URL to check orders to V4 version and added usage restriction description for the credit card memory field
V5.0.0	2017/04/25	V5 version: added customized fields and merchant code (store/branch)
V5.0.1	2017/05/02	Added restrictions and descriptions for periodic fixed-amount credit card purchases
V5.0.2	2017/05/05	Added descriptions for stopping periodic fixed-amount credit card purchases, IP restrictions for downloading balance statements, and optimizing invoice creation.
V5.0.3	2017/05/19	Adjusted descriptions for parameters [ChooseSubPayment], [AllocateStatus], and updated external IP.
V5.0.4	2017/05/24	Added special notes for preliminary preparation, special symbols not supported for parameter transmission
V5.0.5	2017/06/01	Added AndroidPay to payment methods
V5.0.6	2017/06/05	Adjusted the descriptions for "Refund" [InvoiceTaxType] [CarruerNum]
V5.0.7	2017/06/15	Adjusted credit card installment parameter usage
V5.0.8	2017/06/28	Removed credit card installment payment amount parameter InstallmentAmount
V5.0.9	2017/06/29	Optimized vehicle category description
V5.1.0	2017/07/10	Optimized settlement description for credit card settlement/refund/cancel/forfeit APIs. Added return field for Downloading Merchant Balance Statement API Description adjustment for additional parameter returns
V5.1.1	2017/07/31	Optimized chapter 5 and 6 descriptions for [PaymentInfoURL] [RtnMsg] [MerchantMemberID] Platform merchant functionality added to saved credit card numbers. Feature is only available if merchant has requested it to be enabled
V5.1.2	2017/09/18	Optimized descriptions for parameters [ClientRedirectURL] [OrderResultURL] [TradeDesc] [MerchantTradeNo] Simplified some terms in text (e.g. "Green World finTech" as "Green World", and "contracted stores" as "merchant")
V5.1.3	2017/10/30	Added special notes for parameter [BindingCard] and not supported UnionPay cards
V5.1.4	2017/11/08	Adjusted some descriptions in this document Added description for special symbols in customermized parameter field for special
V5.1.5	2017/11/16	Adjusted the rule of [LoveCode] for issuing electronic invoice
V5.1.6	2017/12/06	Adjusted the code of [Donation] for issuing electronic invoice
V5.1.7	2017/12/11	Added special notes for ATM payment

V5.1.8	2017/12/25	<p>1. Optimized descriptions for chapter 5 (ATM, CVS, or BARCODE Code Retrieval Notification), 13 (Downloading Merchant Balance Statement) and 15 (Downloading the Credit Card Disbursement Balance Statement File).</p> <p>2. Enhance English wording (including chapter 3 “Overview”, chapter 4 “Create order”, and chapter 10 “Checksum Mechanism”).</p>
V5.1.9	2018/03/15	Optimized descriptions for chapter 6.
V5.1.10	2018/01/22	Added the description of recommended [Lovecode] for electronic invoice.
V5.1.11	2018/02/01	<p>Adjusted the returned message for the detail of credit card payment.</p> <p>Added the description for Android Pay (credit card installment payment and periodic fixed-amount purchase are not supportive).</p> <p>Adjusted the description of the note in chapter 12 (Downloading Merchant Balance Statement) and in chapter 14 (Downloading the Credit Card Disbursement Balance Statement File).</p>
V5.1.12	2018/03/01	<p>Adjusted all of table style for the note in document.</p> <p>Added description of the note in chapter 3 (Preliminary Preparation) about the API supports only TLS 1.2 and above.</p>
V5.1.13	2018/08/07	Adjust the rule of the transaction amount for CVS and barcode.
V5.1.14	2018/09/10	Update the parameter description of ClearanceMark
V5.1.15	2018/10/09	<p>Add the new parameter of CharSet in chapter 12 (Downloading Merchant Balance Statement) and in chapter 14 (Downloading the Credit Card Disbursement Balance Statement File).</p> <p>Redeem credit card bonus payment transactions can only be refunded in full</p>

1. Overview

Green World FinTech Service Co., Ltd. (hereinafter referred to as "Green World" or ECPay) provides contracted stores (hereinafter referred to as "merchant") with a comprehensive application programming interfacing (API) technology for more convenient transaction, which offers a variety of methods for merchants to receive payment and for customers to pay for their purchase, such as credit cards, WebATM, ATM(cash machines/cashpoints), reference numbers (using a reference number to pay purchase at convenience store chains), convenience store barcodes (using a barcode to pay purchase at convenience store chains), and Android Pay. This article mainly describes the interfacing specifications for each payment or receiving payment method, as well as when and how to use the various transaction APIs.



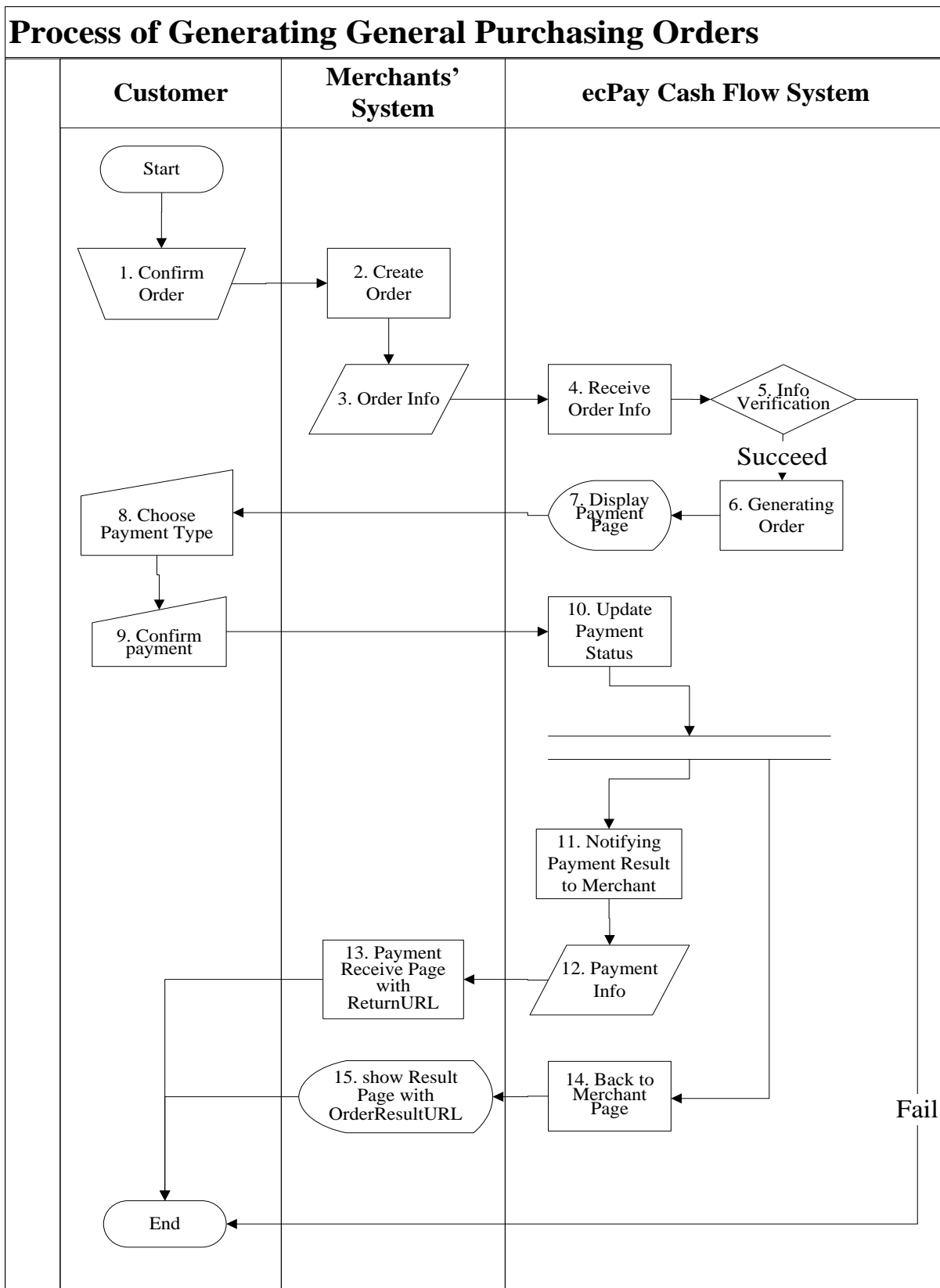
The screenshot displays the ECPay merchant interface. At the top, the ECPay logo and the slogan "支付找綠界 • 買賣無國界" are visible. Below this, a message states: "訂單資訊 (請務必於訂單資訊下方選擇「付款方式」，以完成交易。)" and "單位：新台幣(元)".

訂單編號	商店名稱	商品明細	總計
ECPay30615	綠界測試店家	手機20元X2 隨身碟60元X1	\$ 5,000
本筆訂單需付款金額			\$ 5,000

Below the order details, the "付款方式" (Payment Method) section is shown with several options:

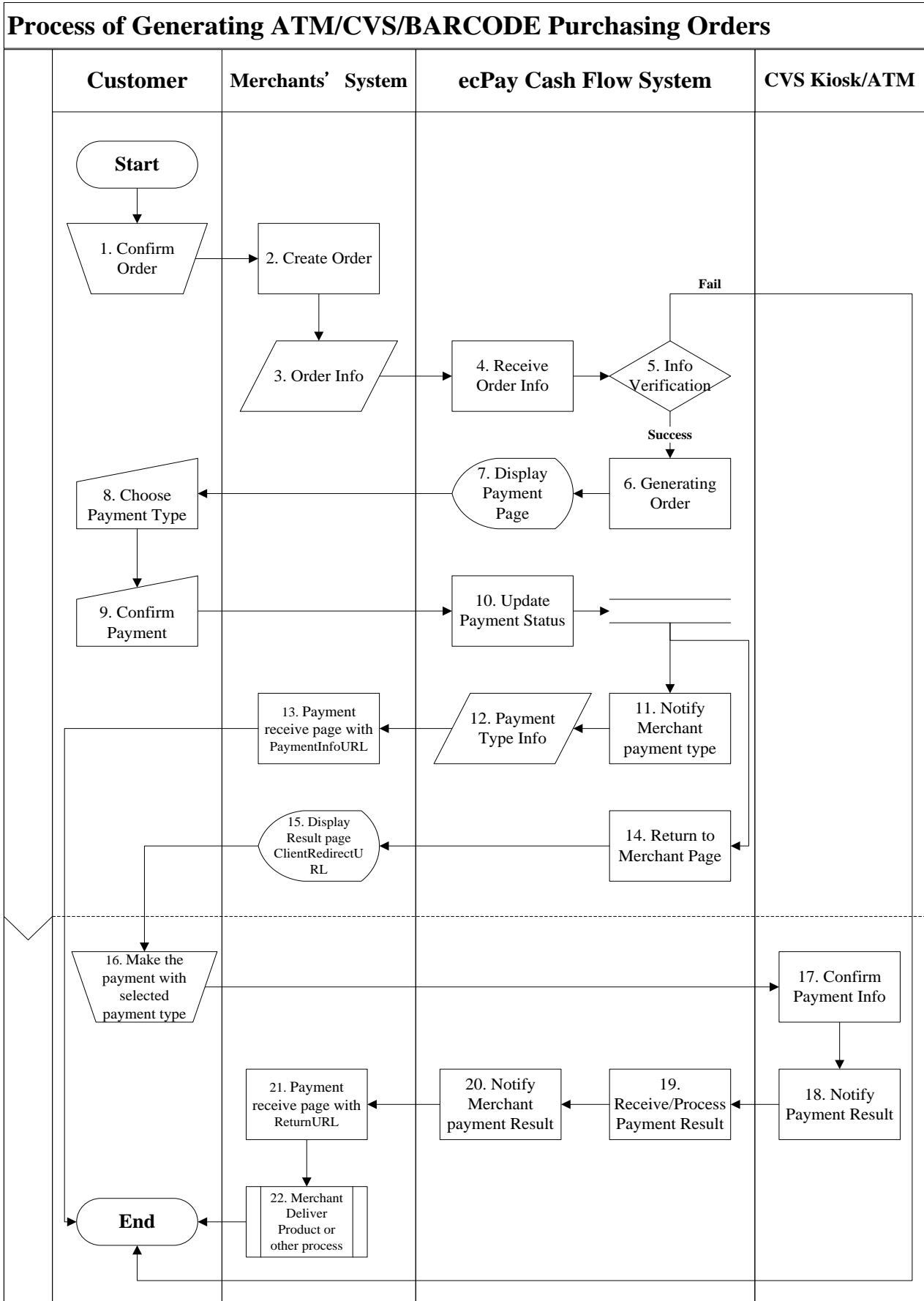
- 信用卡 (Credit Card): Includes logos for VISA, MasterCard, JCB, and UnionPay.
- 網路 ATM (Online ATM)
- ATM 櫃員機 (ATM Counter)
- 超商條碼 (Convenience Store Barcode): 需自行列印繳費單前往(全家 / 7-11 / OK / 萊爾富) 櫃台繳費。
- 超商代碼 (Convenience Store Code): 需自行至超商櫃台輸入代碼，產生繳費單後前往櫃台繳費。
- 全家條碼立即儲 (Family Barcode Instant Storage): 提供手機條碼繳費，亦可選擇列印紙張條碼。

2. Transaction Process



[Figure 2-1] Merchant and Green World (ECPay) Interfacing Sequence Diagram

Role	When	Process name	Process details
Customers		1. Purchase confirmed	Customer makes purchase with merchant
Merchant	After purchase	2. Order created	The merchant receives the request and creates order.
Merchant		3. Transmit order	Transmit the order details to Green World, API (AioCheckOut) begins payment process
Green World		4. Receive order	Receive and analyze the order details transmitted by the merchant.
Green World		5. Check details	Check the correctness of the order data. If it is correct, enter the next payment stage. If it is incorrect, stop payment and return error information.
Green World		6. Create order	Once the order details are confirmed to be correct, the order is created on Green World.
Green World		7. Display payment page	Display available payment methods according to the payment method parameters transmitted by the merchant.
Customers		8. Choose payment method	The customer selects a payment method. Selecting a payment method is not required if it is already specified in the order details [ChoosePayment].
Customers		9. Confirm payment	Customer pays
Green World		10. Update payment status	After the customer pays, update the order's payment status.
Green World		11. Notify merchant payment results in background	Green World will notify the merchant in the background (Server POST) once it confirms that payment is complete.
Green World		12. Payment details	Payment completion information is sent to the merchant through the return URL [ReturnURL] set in the order details.
Merchant	Upon receiving payment notification	13. Background (Server POST) receives payment results	The merchant receives and analyzes the Payment Results Notification information transmitted by Green World, and updates the order payment status.
Green World		14. Return to merchant page	After the background process (Server POST) has sent the order payment status, the foreground (webpage) is redirected to the payment result URL [OrderResultURL] specified in the order details. If the payment result URL [OrderResultURL] parameter has no value, it will be directed to the Green World's payment results page. The payment results page displayed by Green World can display a "Back to Merchant" Button, under the condition that a value has been entered in the return to merchant URL [ClientBackURL] in the order details.
Merchant		15. Display order results	After receiving the redirect request from Green World, the merchant will display the payment results page so that the customer knows that the transaction has been completed.

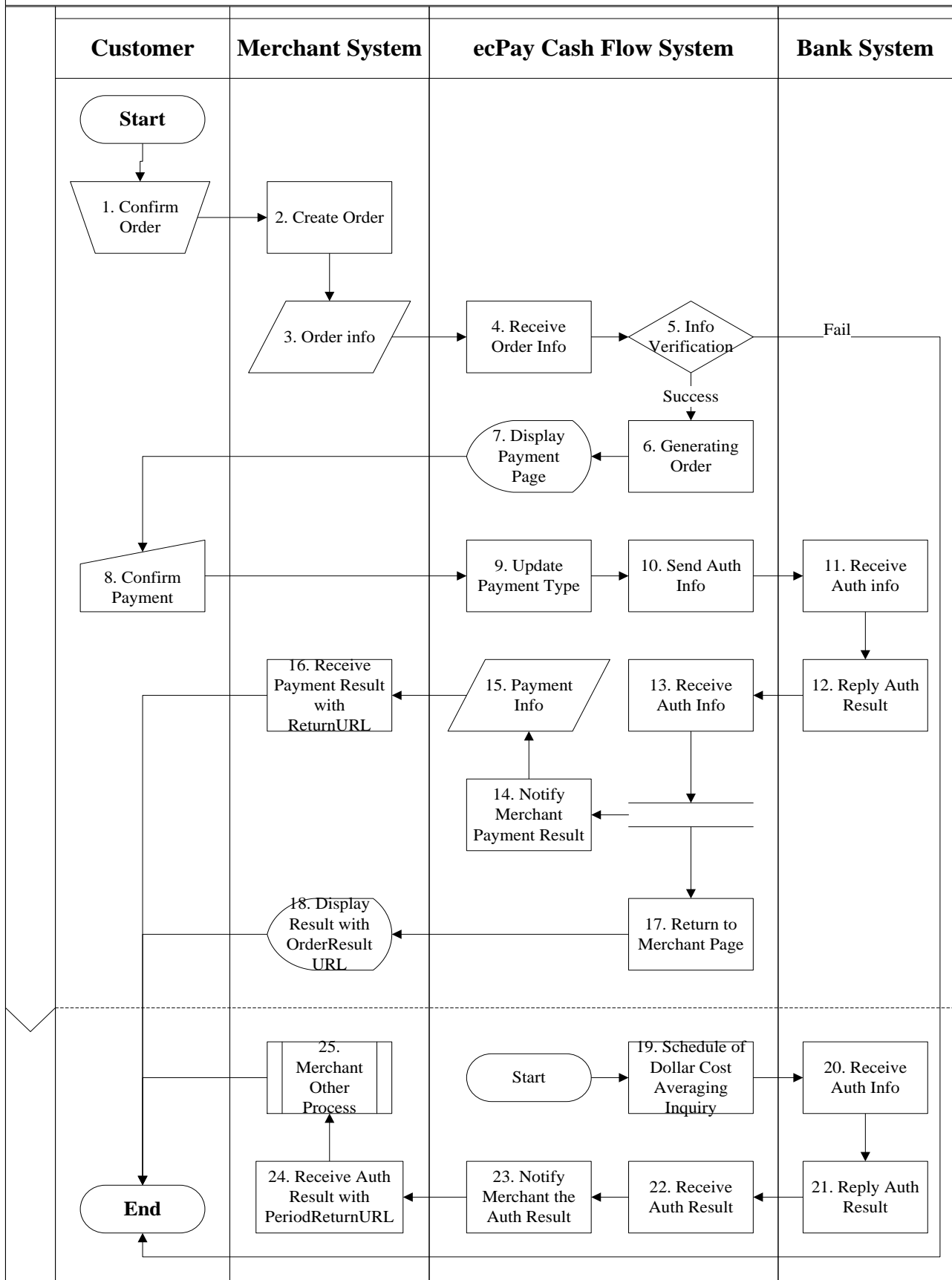


[Figure 2-2] Merchant and Green World Interfacing Sequence Diagram

Role	When	Process name	Process details
Customers		1. Purchase confirmed	Customer confirms purchase
Merchant	After purchase	2. Order created	The merchant receives the request and creates order.
Merchant		3. Order details	Begin payment via API (AioCheckOut) once order is created.
Green World		4. Receive order details	Green World receives and analyzes the order details transmitted by the merchant.
Green World		5. Check details	Check the correctness of the order details, if the data is abnormal, then payment is stopped, otherwise the transaction enters the next processing stage.
Green World		6. Order created	Once the order details are confirmed to be correct, create an order.
Green World		7. Display payment page	After the order is created, available payment methods are displayed according to the payment method in the order details.
Customers		8. Choose payment method	The customer selects a payment method. Selecting a payment method is not required if it is already specified in the order details [ChoosePayment] .
Customers		9. Confirm payment method	Customer pays
Green World		10. Update payment method	Confirm and update payment method depending on the customer's payment method.
Green World		11. Notify the merchant the payment method in the background	Notify the merchant the payment method in the background once the customer's payment is confirmed.
Green World		12. Payment method details	Green World will send information like customer payment method and payment information to the merchant through [PaymentInfoURL] according to the return URL set in the order details.
Merchant	After creating a virtual account	13. Receive payment method details in the background	The merchant receives and analyzes the payment method and payment information transmitted by Green World.
Green World		14. Return to merchant page	After Green World has informed the merchant the customer's payment method and payment information in the background, it will redirect to the payment information notification URL [ClientRedirectURL] set in the order details in the foreground.
Merchant		15. Display order results	When the merchant receives Green World's direction request, it will show a results pages like payment information inform the customer of the payment information related to the order and proceed with payment.
Customers		16. Pay according to payment method	Customers will complete payment according to the payment method displayed in the payment information.
Bank/Convenience store	After payment	17. Confirm payment details	After the customer has paid, the bank/convenience store will receive the customer's payment information, confirm, and update payment status.

Role	When	Process name	Process details
Bank/Convenience store		18. Notify payment results in the background	The bank/convenience store will notify Green World in the background.
Green World		19. Receive/process payment results in the background	Green World receives and analyzes the payment information transmitted by the bank
Green World		20. Notify merchant payment results in the background	Green World will send the payment completion information to the return URL [ReturnURL] set in the order details.
Merchant	Upon receiving payment notification	21. Background (Server POST) receives payment results	The merchant receives and analyzes the payment information transmitted by Green World, and updates the order payment status.
Merchant		22. Ship merchandise and/or other merchant processing	Merchant ships merchandise or other merchant processing.

Process of payment for credit card periodic fixed-amount purchase



[Figure 2-3] Merchant and Green World Interfacing Sequence Diagram

Role	When	Process name	Process details
Customers		1. Purchase confirmed	Customer confirms purchase
Merchant	After purchase	2. Order created	The merchant receives the request and creates order.
Merchant		3. Order details	Begin payment via (AioCheckOut) API with order details once order is created.
Green World		4. Receive order details	Green World receives and analyzes the order details transmitted by the merchant.
Green World		5. Check details	Check the correctness of the order details, if the data is abnormal, then payment is stopped, otherwise the transaction enters the next processing stage.
Green World		6. Order created	Once the order details are confirmed to be correct, the order is created on Green World.
Green World		7. Display payment page	After the order is created, Green World will display the available payment methods according to the payment method.
Customers		8. Confirm payment	Customer enters credit card information to pay.
Green World		9. Update payment method	Green World will confirm and update payment method according to the payment method.
Green World		10. Transmit authorization data	Transmit customer's credit card information, such as card number, CVV, and expiration date to the bank in the background
Bank		11. Receive authorization data	The bank receives and analyzes the authorization data transmitted by Green World
Bank		12. Return authorization results	The bank will notify Green World the authorization results in the background
Green World		13. Receive authorization results	Green World receives and analyzes the authorization results information transmitted by the bank
Green World		14. Notify merchant payment results in the background	Green World will notify the merchant in the background once payment is confirmed
Green World		15. Payment details	Green World will send the customer's payment completion data to the return URL [ReturnURL] set in the order details.
Merchant	After authorization is complete,	16. receive payment results in the background (Server POST)	The merchant receives and analyzes payment information transmitted by Green World, and updates the order payment status.
Green World		17. Return to merchant page	After Green World has informed the merchant of the order's payment status in the background (Server POST), it will redirect to the payment information notification URL [OrderResultURL] set in the order details. If the payment result URL [OrderResultURL] parameter has no value, it will be directed to the Green World's payment results page. The payment results page displayed by Green World can display a "Back to Merchant" Button, under the condition that a value had been entered in the return to merchant URL [ClientBackURL] in the order details.

Role	When	Process name	Process details
Merchant		18. Display order results	After receiving the redirect request from Green World, the merchant will display the payment results page so that the customer knows that the transaction has been completed.
Green World		19. Periodic Fixed-Amount Purchase Authorization Schedule	Green World will schedule authorizations for periodic fixed-amount purchases at designated times according to the purchase period, frequency, and number of purchases set by the customer. Green World will also transmit the customer's credit card information such as the card number, CVV, and expiration date to the bank in the background.
Bank		20. Receive authorization data	The bank receives and analyzes the authorization data transmitted by Green World
Bank		21. Return authorization results	The bank will notify Green World the authorization results in the background
Green World		22. Receive authorization results	Green World receives and analyzes the authorization results information transmitted by the bank
Green World		23. Notify merchant authorization results in the background	Once the order's authorization is confirmed to be successful, Green World will send the information in the background to the merchant using the return URL [PeriodReturnURL] set by the merchant.
Merchant	After authorization is complete,	24. receive authorization results in background	The merchant receives and analyzes payment information transmitted by Green World, and updates the order payment status.
Merchant		25. Other merchant processing	Other merchant operations

3. Preliminary Preparation

Information related to interface testing:

Please use the following information on Stage

Special Note:

- (1) The following information is for Stage. Do not use it on Production in case it may not interface correctly.
- (2) When changing to Production, please replace the following information with the formal information that merchants have. [Please click here to obtain a Production key.](#)

Description of fields	Field contents		
Merchant ID (MerchantID)	2000132	2000214 (Not OTP)	
Platform merchant ID (PlatformID)			3002599
User name / password for merchant login on back-stage management system	StageTest/test1234	Stage2000214/test1234	stagetest2/test1234
Admin website for merchants (stage)	https://vendor-stage.ecpay.com.tw This website can provide: 1. inquiring ECPay orders 2. simulating paying the payment and informing the merchant If payment notifications cannot be received under simulated payment, please refer to the Special Note following this table.		
ALL IN ONE HashKey interfacing	5294y06JbISpM5x9		spPjZn66i0OhqJsQ
ALL IN ONE HashIV interfacing	v77hoKGq4kWxNNIS		hT5OJckN45isQTTs
Credit card number for test	4311-9522-2222-2222 (Special Note: only this credit card number can be used for test transactions)		
Credit card CVV for test	222		
Credit card expiry date month/year for test	Please enter a MM/YYYY which is greater than the test date. For example, if the test is done on 2016/04/20, please set an expiry date after 05/2016 (including May of 2016), or else the system will respond as transaction failed.		
External IP	Please refer to the Green World FAQ: Can I restrict company server to access to Green World IPs only?		

Special Note:

When receiving and transmitting Green World API notifications, please confirm the following details to ensure the normal transmission of all notices:

- (1) Please confirm that the payment complete notification return URL [[ReturnURL](#)] for the [order created](#) is open for external connections. Please configure it so it can [receive] the payment results information returned by Green World via Server POST. Before returning 1|OK to Green World, the checksum must be checked and must match the credentials.
- (2) Please confirm whether the membership system server has enabled a firewall exception for [postgate.ecpay.com.tw](#), in order to prevent the firewall from blocking payment notifications. Do not bind the exception directly to the IP address.
- (3) The connection port for Green World API calls provided is limited to only the https (443 port) option. Please connect using a legitimate domain name system (DNS).
- (4) Please confirm that every transaction parameter is transmitted to the Green World API via http POST.
- (5) Make sure that the Server URL connection port is http 80 port and https 443 port.
- (6) HTML tags are not permitted for labeling the contents of the transmitted parameters (e.g.,
 <h1>).
- (7) **Please do not keep or display cryptographic key information, such as Javascript, HTML, or CSS on the front page to**

prevent the loss or theft of transaction information due to stolen keys.

- (8) When transmitting the platform merchant ID parameter PlatformID, please use the HashKey and HashIV of the platform merchant and create a checksum. The [PlatformID] is the merchant ID [MerchantID] binded to the platform.
- (9) Foreign and UnionPay cards are not supported for credit card payment under Stage.
- (10) Chinese URLs are not supported for the return URL. For the URL parameter, please use URLs encoded by punycode. For example, 中文.tw is converted into xn--fiq228c.tw.
- (11) Special symbols are not supported in parameter transmission. This will cause the order creation to fail.
- (12) Payment methods: AndroidPay does not support periodic fixed-amount purchases, installment payments, or bonus point redemptions.
- (13) Credit card bidding card number function - if OTP text messaging is supported by the merchant, then entering the CVV is not required.
- (14) For merchants, please undergo Time Synchronization for the server to avoid server lag.
- (15) The payment result should be subject to the information returned to [\[ReturnURL\]](#).
- (16) To protect the rights and online transaction security for consumers, Green World's (or ECPay's) API service supports only TLS 1.2 and above.

4. Create order

- Scenario:

An order is transmitted once customers make a purchase.

Step 1. Merchant: Transmit order details to Green World via POST (HTTP Method), and proceed to checkout.

Step 2. Green World: accepts order from merchant and check details.

Special Note:

- (1) Using built-in frames (iframe) may cause the transaction to fail so it is not recommended.
- (2) If the customer is using an iOS device, please proceed the transaction by opening on the original page.

- Interfacing path:

- Production: <https://payment.ecpay.com.tw/Cashier/AioCheckOut/V5>

- Stage: <https://payment-stage.ecpay.com.tw/Cashier/AioCheckOut/V5>

- Merchant parameter transmission description (items with a red asterisk * are required):

Parameter	Parameter name	Type	Description	Example
*MerchantID	Merchant ID (provided by Green World)	String(10)	1. Stage Merchant ID 2. Obtain a cryptographic key for Production	2000132
*MerchantTradeNo	Transaction ID (provided by the merchant)	String(20)	Merchant Transaction IDs are unique and can not be reused. The value of this parameter is a combination of upper and lower case alphanumeric characters. Please refer to the FAQ on how to avoid transaction ID duplication. If the PlatformID is used, the [MerchantTradeNo] of all merchants under the platform should not be duplicated.	ecpay1234
StoreID	Merchant store ID	String(20)	Allows merchants to enter specific store ID. This parameter only allows a combination of upper and lower case alphanumeric characters.	
*MerchantTradeDate	Transaction time	String(20)	Format: yyyy/MM/dd HH:mm:ss	2012/03/21 15:40:18
*PaymentType	Transaction type	String(20)	Please fill in aio	aio
*TotalAmount	Transaction amount	Int	Only an integer is allowed. Decimals are not accepted. New Taiwan Dollars only. The amount cannot be \$0. Personal and Business Members: from 2018/9/1, CVS amount is restricted between NTD \$31 and NTD \$6,000.	5000

Parameter	Parameter name	Type	Description	Example
			BARCODE amount is restricted between NTD \$16 and NTD \$20,000.	
*TradeDesc	Transaction description	String(200)	Please URL-encode the value of this parameter firstly before sending this parameter to Green World.	ecpay Mall Purchase
*ItemName	Merchandise name	String(200)	If there are multiple items under merchandise name and they need to be individually displayed line by line, please separate the merchandise names with a hash (#).	Cell phone \$20x2#USB Drive \$60x1
*ReturnURL	A return URL for payment notification	String(200)	<p>When the customer completed the payment, Green World will return the payment results parameter to the URL in the background via Server POST.</p> <p>For details, please refer to the payment result notification</p> <p>Special Note:</p> <ol style="list-style-type: none"> Do not set it as the same address to receive payments OrderResultURL on the client end in order to prevent program errors. Upon receiving the payment results notification from the server, please respond with 1 OK to Green World. 	http://your.web.site/r eceive.php
*ChoosePayment	Choose default payment method	String(20)	<p>Green World provides the following payment methods which are transmitted at the time the order is created:</p> <p><u>Credit</u>: Credit card and AndroidPay <u>AndroidPay</u>:AndroidPay <u>WebATM</u>: WebATM <u>ATM</u>: ATM <u>CVS</u>: Convenience reference numbers <u>BARCODE</u>: Convenience store barcodes <u>ALL</u>: No designated payment method. Green World will display the webpage to select payment method.</p> <p>Special Note: The following payment methods are not supported for mobile devices: <u>WebATM</u>: WebATM <u>BARCODE</u>: Convenience store barcodes The following payment methods are not supported on the PC version <u>AndroidPay</u>:AndroidPay</p>	Credit
*CheckMacValue	Checksum	String	Please refer to the Appendix Checksum Mechanism	
ClientBackURL	Button to return to merchant on client's end	String(200)	<p>The page will be directed to the URL when the customer clicks on this button</p> <p>Special Note: The URL only redirects the page to the URL set on client's end without payment result.</p>	http://your.web.site/S hopping/Detail

Parameter	Parameter name	Type	Description	Example
			<p>If this parameter is set, Green World will display the “Back to store” button on the payment complete page or the ATM virtual number retrieval page.</p> <p>If this parameter is set, the page will display the “Back to store” button when OTP authentication fails.</p> <p>If this parameter is not set, then Green World will not display the “Back to store” button on the payment complete page or the ATM virtual number retrieval page.</p> <p>Some browsers may display a warning if the return URL is not an https address.</p>	
ItemURL	Merchandise URL	String(200)		
Remark	Additional notes.	String(100)		
ChooseSubPayment	Payment subitem	String(20)	<p>If this parameter is set, the page will be directed to Green World’s order creation page with the designated payment method and payment sub-method. Other payment sub-methods cannot be selected. Please refer to the payment methods list</p>	TAISHIN
OrderResultURL	The client end returns the payment result URL	String(200)	<p>If merchants set a URL in this parameter, when a payment is completed, Green World will direct the page with the payment result to the URL set.</p> <p>Special Note:</p> <p>If this parameter is not set, it is the Green World’s payment completed page that will be shown (instead of the merchant’s website).</p> <p>Therefore, if merchants wish to have the payment result displayed on merchants’ page, please set this parameter.</p> <p>If this parameter is set with [ClientBackURL], Green World will accept this parameter but ignore [ClientBackURL].</p> <p>For some specific banks, the transaction completed page will stay on the bank’s page after successful WebATM transactions instead of redirecting the page back to Green World. In this case, Green World will not direct the page to the [OrderResultURL] page.</p> <p>This parameter does not support UnionPay cards or non-real-time transactions (ATM, CVS, BARCODE).</p> <p>It is not recommended to set this parameter in Stage. The page will stay on Green World so you can see the error</p>	http://your.web.site/client.php

Parameter	Parameter name	Type	Description	Example
			<p>messages sent by Green World for debugging purposes.</p> <p>If this parameter is set, displaying the successful/failed payment page can only be displayed on the transaction status returned.</p> <p>Some browsers may display a warning if the return URL is not an https address.</p>	
NeedExtraPaidInfo	Do you require additional payment information	String(1) Default value: N	<p>Additional payment information: Please return N for parameter value if you do not need to return additional payment information. Please return Y for parameter value if you need to return additional payment information. After payment is completed, Green World will return the additional payment information via Server POST.</p> <p>Special Note: Please refer to the additional returns parameter page for information on returning additional payment information parameters.</p>	N
DeviceSource	Device source	String(10)	Please set as null for the system to determine.	
IgnorePayment	Hide payment method	String(100)	<p>When the payment method [ChoosePayment] is ALL, you can hide other unwanted payment methods. For multiple entries, please separate them using a hash (#).</p> <p>Available parameter values: <u>Credit</u>: Credit cards <u>GooglePay</u>: GooglePay <u>WebATM</u>: WebATM <u>ATM</u>: ATM <u>CVS</u>: Convenience store codes <u>BARCODE</u>: Convenience store barcodes</p>	ATM#WebATM
PlatformID	Platform merchant ID (Provided by Green World)	String(10)	<p>Used by contracted platform merchants. For general merchants or platform merchant interfacing, please leave empty.</p> <p>For use by platform merchants, please set [MerchantID] as the parameter.</p>	
InvoiceMark	Electronic invoice notes	String(1)	<p>This parameter allows electronic invoices to be produced upon payment completion.</p> <p>The parameter should be set to Y if to be used.</p> <p>The electronic invoice related parameters must also be set as well.</p> <p>Special Note: To use the electronic invoice function in Production, please activate it by contacting Green World. If you have not</p>	

Parameter	Parameter name	Type	Description	Example
			activated it yet, please call us at (02) 2655-1775.	
CustomField1	Custom field name 1	String(50)	Merchant notes field Special Note: Special symbols only supports ,.#()\$[];%{}:/?&@<>!	
CustomField2	Custom field name 2	String(50)	Merchant notes field Special Note: Special symbols only supports ,.#()\$[];%{}:/?&@<>!	
CustomField3	Custom field name 3	String(50)	Merchant notes field Special Note: Special symbols only supports ,.#()\$[];%{}:/?&@<>!	
CustomField4	Custom field name 4	String(50)	Merchant notes field Special Note: Special symbols only supports ,.#()\$[];%{}:/?&@<>!	
*EncryptType	CheckMacValue encryption type	Int	Please fill in 1 and use SHA256 encryption.	1

When the ChoosePayment parameter is set as ALL or ATM payment:

Parameter	Parameter name	Type	Description	Example
ExpireDate	Time window allowed for payment	Int	The value should be between 1 and 60 days. If the parameter is unknown set, the default is 3 days Special Note: The unit is in days	7
PaymentInfoURL	The server end will return payment related information	String(200)	If this parameter is set, after the order is created (not payment completed), Green World will return the customer's payment method information via server POST (e.g. the bank code, the payment deadline for virtual accounts, etc.). Please refer to [ATM, CVS, or Barcode Code Retrieval Results Notification Result] . Special Note: The page will stay on Green World to display relevant payment information.	http://your.web.site/paymentinfo.php
ClientRedirectURL	The client end will return payment related information	String(200)	If this parameter is set, after the order is created (not payment completed), Green World will return the customer's payment information on the client's end (for example, the bank code, the payment deadline for virtual accounts, etc.), and will direct to the merchant's designated page. Special Note:	http://your.web.site/ClientRedirectURL.php

Parameter	Parameter name	Type	Description	Example
			If this parameter is set, it will invalidate the hyperlink button [ClientBackURL] to return to the merchant. Some browsers may display a warning if the return URL is not an https address.	

Special Note: When ATM is selected for transaction, if the payment amount is incorrect, overdue, or repetitive, it is the bank which validates the information related to the payment and the account, rather than the Green World.

When the ChoosePayment parameter is set as ALL or CVS or BARCODE payment:

Parameter	Parameter name	Type	Description	Example
StoreExpireDate	Convenience store payment deadline	int	Special Note: CVS: Unit in minutes BARCODE: Unit in days If this parameter is not set, the default value is 7 days To set this parameter, please send this parameter to Green World when creating an order. For example, if you make a purchase at 20:15 on 08/01 and your payment deadline is 7 days, you must pay at the convenience store before 20:15 on 08/08.	7
Desc_1	Transaction Description 1	String(20)	This will appear on the payment platform screen of the convenience store	Transaction Description 1
Desc_2	Transaction Description 2	String(20)	This will appear on the payment platform screen of the convenience store	Transaction Description 2
Desc_3	Transaction Description 3	String(20)	This will appear on the payment platform screen of the convenience store	Transaction Description 3
Desc_4	Transaction Description 4	String(20)	This will appear on the payment platform screen of the convenience store	Transaction Description 4
PaymentInfoURL	The server end will return payment related information	String(200)	If this parameter is set, when an order is created (not payment completed), Green World will return the customer's payment information via server POST (for example, reference number to be paid at convenience store and specific convenience stores). Please refer to [ATM, CVS, or Barcode Code Retrieval Results Notification Result]. Special Note: The page will stay on Green World to display relevant payment information. Only 3 barcode-numbers will be returned, while the barcode image will	

Parameter	Parameter name	Type	Description	Example
			not be returned. Merchants need to convert the barcode number into a code 39 barcode label.	
ClientRedirectURL	The client end returns payment method related information.	String(200)	<p>If this parameter is set, after an order is created (not payment completed), Green World will return the customer's payment information to the client's end (for example, reference number to be paid at convenience store and specific convenience stores), and will direct to the merchant's designated page.</p> <p>Please refer to [ATM, CVS, or Barcode Code Retrieval Results Notification Result].</p> <p>Special Note: If this parameter is set, it will invalidate the hyperlink button [ClientBackURL] to return to the merchant. Some browsers may display a warning if the return URL is not an https address. Only 3 barcode-numbers will be returned, while the barcode image will not be returned. Merchants need to convert the barcode number into a code 39 barcode label.</p>	

Special Note: Don't use the CVS to sell "Gaming Points (Cards)" or "Gaming Treasure". If it is reported or audited, Green World and Convenience Store have the right to limit your payment amount or terminate the use of your rights.

When the ChoosePayment parameter is ALL or Credit:

Parameter	Parameter name	Type	Description	Example
BindingCard	Card number saved	int	<p>The function of this parameter is used to save a credit card number.</p> <p>If merchants need to bind the card: please set 1 as the value of this parameter.</p> <p>If merchants do not need to bind the card: please set 0 as the value of this parameter.</p>	1
MerchantMemberID	Saved credit card identification number	String(30)	<p>Merchant 1. [Saved credit card number on platform PlatformID]</p> <p>1-1 The naming rules are set by the platform provider (applicable to platform providers with membership systems): when transmitting parameter MerchantMemberID, the first 7 digits must be the PlatformID (PlatformID+ member ID. The length must not exceed 30 characters)</p> <p>Ex: 3002599Test1234</p> <p>1-2 The naming rules are set by the merchants under the platform</p>	Test1234

Parameter	Parameter name	Type	Description	Example
			(applicable to merchants with membership systems): when transmitting parameter MerchantMemberID, the first 7 digits must be the MerchantID (MerchantID + member ID. The length must not exceed 30 characters) Ex: 2000132Test1234 2. [Saved credit card number is by merchant MerchantID: The naming rules are set by the merchant (applicable to merchants with membership systems): when transmitting parameter MerchantMemberID, the first 7 digits must be the MerchantID (MerchantID + member ID. The length must not exceed 30 characters) Ex: 2000132Test1234	
※Special Note: (1) To use the BindingCard and MerchantMemberID parameters, the merchant must have a membership system. (2) If the saved credit card identification numbers is the platform provider's membership ID, you must apply to Green World to use the function. (3) The binding card function supports only VISA/MasterCard/JCB.				

When the ChoosePayment parameter is Credit:

Parameter	Parameter name	Type	Description	Example
Language	Language settings	String(3)	The default language is Chinese. To change the language, please set the following value: English: ENG Korean: KOR Japanese: JPN Simplified Chinese: CHI	ENG

When the ChoosePayment parameter is ALL or Credit:

- Pay at once: Customers can select whether to redeem their credit card bonus points for this payment.

The following parameters are for pay at once. If you use this function, the following parameters must be sent to Green World:

Parameter	Parameter name	Type	Description	Example
Redeem	Are bonus points being redeemed for the credit card purchase?	String(1)	When set to Y, the bonus point redemption process will be open when the merchant selects credit card payment. Special Note: Refer here for bonus point redemptions Credit card bonus point redemption details	Y
UnionPay	Is it a UnionPay	Int Default	Is it a UnionPay card? If no, please enter: 0	0

Parameter	Parameter name	Type	Description	Example
	transaction?	value: 0	If yes, please enter: 1 If the value of parameter [Language] is set, Green World will direct the page to the UnionPay website. Special Note: 1. If merchants want to use UnionPay card service, please apply with Green World. UnionPay transactions are not yet supported for Stage. 2. Payment of both credit card installment and periodic fixed-amount is not supportive. 3. The [Redeem] parameter does not support UnionPay.	

- **Installment payment:** this function allows customers to authorize their card once. The installment amount will be confirmed by the bank.

The following parameters are for installment payments. If you enable this function, the following parameters must be sent to Green World:

Parameter	Parameter name	Type	Description	Example
*CreditInstallment	Credit card installment periods.	String(20)	This parameter allows the following installment periods: 3,6,12,18,24 Special Note: Merchants should apply for the installment periods with Green World firstly before using this function. The periods that can be used are only those approved after merchants apply with Green World.	3,6

※**Special Note:**

- (1) This cannot be set with the periodic fixed-amount parameter.
- (2) If the installment function is used, subsequent installment payments will be confirmed and provided by the bank.
- (3) To pay with a credit card in Stage, please use the [test credit card number](#) provided by Green World for payment simulation.
- (4) **When requesting this parameter, please provide the total amount of all installments. Merchants do not need to calculate the amount of each installment.** Indivisible remainders will be collected by the bank in the first installment. For example, a total of \$1733 is to be paid in 6 installments. The indivisible remainder will be collected in the first installment: 293,288,288,288,288,288
- (5) To use UnionPay card service, please apply with Green World.
- (6) UnionPay cards are not supported for Stage.

- **Periodic fixed-amount payment:** this payment can be used when a periodic and fixed amount of each installment needs to be collected. Customers only need to authorize their card once, and Green World will process authorizations periodically according to the settings. The payment page will display the amount for each purchase, the number of installments (i.e. the frequency), and number of authorizations. It can be set to “once every x days” or “once every x years”, and the number of payments (authorizations) can be predetermined.

The following parameters are used for periodic fixed-amount purchases. If you needs this function, the following parameters must be sent to Green World:

Parameter	Parameter name	Type	Description	Example
*PeriodAmount	Amount of per authorization	Int	The amount of per authorization. Special Note: The subsequent fixed-authorized amount will be based on the first authorized amount [PeriodAmount]. The transaction amount [TotalAmount] must be identical to the authorized amount [PeriodAmount]. Only integer is allowed. Decimals are not accepted. New Taiwan Dollars only.	
*PeriodType	Types of periods	String(1)	This parameter allows the following values: D: Days as unit of frequency M: Months as unit of frequency Y: Years as unit of frequency	
*Frequency	Execution frequency	Int	This parameter is used to define how often the action is executed Special Note: The value must be at least or equal to 1 When the value of [PeriodType] is set to D, it can be set up to 365 times. When the value of [PeriodType] is set to M, it can be set up to 12 times. When the value of [PeriodType] is set to Y, it can be set up to 1 time.	
*ExecTimes	Number of executions	Int	Number of executions in total Special Note: The value must be greater than 1 When the value of [PeriodType] is set to D, it can be set up to 999 times. When the value of [PeriodType] is set to M, it can be set up to 99 times. When the value of [PeriodType] is set to Y, it can be set up to 9 times.	Example 1: When the periodic fixed-amount purchase is set to once a month for \$500 for a total of 12 times, enter 500 into the parameter (TotalAmount) PeriodAmount = 500, PeriodType = M Frequency = 1 ExecTimes = 12 Example 2: When the periodic fixed-amount purchase is set to once every 6 months for \$6000 for a total of 2 times, enter 6000 into the parameter (TotalAmount), PeriodType = M Frequency = 6 ExecTimes = 2
PeriodReturnURL	Periodic fixed-amount execution results	String(200)	If the transaction is a periodic fixed-amount purchase, authorization results will be returned to this URL after each authorization.	

Parameter	Parameter name	Type	Description	Example
	response URL			

Special Note:

- (1) This cannot be used with the installment payment parameter.
- (2) The amount of per authorization is identical.
- (3) If the first authorization fails, the subsequent authorizations will not be scheduled. Please re-create an order.
- (4) If the parameter [\[PeriodReturnURL\]](#) is not set, the merchant should only ship the merchandise after confirming that the authorization state is successful via [admin website for merchants](#).
- (5) For detailed examples please refer to the [Periodic Fixed-Amount Purchases Examples](#).
- (6) To disable the function of periodic fixed-amount purchases, please log in to the [admin website for merchants](#). The operation to disable it can be found under Credit card acquiring > Periodic fixed-amount purchases inquiry > Details/Edit.
- (7) Google Pay does not support the function of Periodic fixed-amount payment.

- When the [InvoiceMark] parameter is set to Y, an electronic invoice is issued after payment is completed, and the following parameters have to be set :

Parameter	Parameter name	Type	Description	Example
*RelateNumber	Merchant Assigned ID	String(30)	This is an ID assigned by merchant. It should be a unique value and cannot be reused.	Tea0001
CustomerID	Customer ID	String(20)	This parameter must have a value when the invoice vehicle type [CarrierType] is 1 (merchant vehicle). Only English, numbers, or underscores are accepted as parameter values.	
CustomerIdentifier	Business Tax ID	String(8)	If this parameter has a value it must be an 8-digit number.	53348111
CustomerName	Customer name	String(60)	When printing notes [Print] is 1 (print), the parameter must have a value. Only English, Chinese, numbers, or underscores are accepted as parameter values. Please encode the parameter values in UriEncode mode.	Green World FinTech Service Co. Ltd. UriEncode→%e7%b6%a0%e7%95%8c%e7%a7%91%e6%8a%80%e8%82%a1%e4%bb%bd%e6%9c%89%e9%99%90%e5%85%ac%e5%8f%b8
CustomerAddr	Customer address	String(200)	When printing notes [Print] is 1 (print), the parameter must have a value. Please refer to the Special character conversion when the parameter has a value. Please encode the parameter values in UriEncode mode.	6F-2 (Building D), No.19-2, Sanchong Rd., Nangang District, Taipei City UriEncode→%e8%87%ba%e5%8c%97%e5%b8%82%e5%8d%97%e6%b8%af%e5%8d%80%e4%b8%89%e9%87%8d%e8%b7%af19-2%e8%99%9f56%e6%a8%93-2+(D%e6%a3%9f)
CustomerPhone	Customer mobile number	String(20)	When the customer e-mail [CustomerEmail] is an empty string, the parameter must have a value in the	0912345678

Parameter	Parameter name	Type	Description	Example
			format of numbers. Special Note: The number must be a mobile number. Landlines are not accepted because the number needs to be able to receive text messages.	
CustomerEmail	Customer E-mail	String(200)	When the customer mobile number [CustomerPhone] is an empty string, the parameter must have a value in EMAIL format. Please encode the parameter values in UriEncode mode.	abc@ecpay.com.tw E ncode→abc%40ecpa y.com.tw
ClearanceMark	Customs clearance	String(1)	For use when the tax category [TaxType] is 2 (zero rate): 1: Not Exported via customs 2: Exported via customs	2
*TaxType	Tax category	String(1)	If it is taxable, please enter 1. If the tax rate is zero, please enter 2. If it is duty free, please enter 3. If it is a combination of both taxable and duty-free (only when indistinguishable by cashier invoice and must be applied for and approved in advance), please enter 9.	1
CarruerType	Vehicle category	String(1)	When there is no vehicle, please leave string blank. Enter 1 for merchant vehicle. Enter 2 for Citizen Digital Certificate number. Enter 3 for Mobile Barcode. If there is a value under Business Tax ID [CustomerIdentifier], then vehicle category cannot be merchant vehicle or Citizen Digital Certificate. Special Note: When [Print] has a value, the vehicle category must not have a value.	
CarruerNum	Vehicle number	String(64)	Vehicle number When the vehicle category [CarruerType] = "" (no carrier), please leave the string blank. [CarruerType] = "1" (merchant carrier), please leave the string blank as the system will automatically fill in the value. When the vehicle category [CarruerType] = "2" (buyer's Citizen Digital Certificate), please enter a 16 digit code where the first 2 digits are Latin letters in upper or lower case plus 14 numerical digits. When the vehicle category [CarruerType] = "3" (buyer's mobile barcode), please enter an 8-digit code starting with "/" and ending in 7	

Parameter	Parameter name	Type	Description	Example
			alphanumeric digits. Special Note: If there is a plus sign in the mobile bar code, an error may occur during the interfacing verification. Please change the plus sign to a blank character to generate a verification code.	
*Donation	Donation notes	String(1)	1: If the invoice is donated, please assign 1 to the parameter. 2: If the invoice is not donated or has a Business Tax ID [CustomerIdentifier], please assign 0 to the parameter.	2
LoveCode	Charity Code	String(7)	When a customer chooses to donate an invoice, he/she must fill in this field with the recipient institution's charity code. 1: This field should have a value if the invoice is to be donated [Donation] = '1' (donation). 2: The format should be between 3 to 7 numeric digits.	X123456
Love code recommended: 168001 OMG Charitable Foundation Established in 2009, the foundation aims to gather and pass love and fonation from internet people to the society. The foundation is devoted to help economically-disadvantaged students from remote and rural schools, stray animals and animal protection issues, the elder and disadvantaged group, emergency assistance, humanitarian assistance, social welfare activity advocate and relevant advertising patronage.				
*Print	Print notes	String(1)	If the invoice is not to be printed or the donation parameter [Donation] is 1, please assign value of 0. If the invoice is to be printed or if the [CustomerIdentifier] has a value, please assign value of 1.	
*InvoiceItemName	Merchandise name	String(Max)	The name cannot be a null string, and the format must be Name 1 Name 2 Name 3 ... Name n. When there are 2 or more product names, they must be separated by the " " symbol. Please encode the parameter values in UriEncode mode.	Name1 Name2 Name3 UriEncode→Name1%7CName2%7CName3
*InvoiceItemCount	Merchandise quantity	String (Max)	The quantity cannot be a null string, and the format must be Quantity 1 Quantity 2 Quantity 3 ... Quantity n. When there are 2 or more product names, they must be separated by the " " symbol.	1 1
*InvoiceItemWord	Merchandise units	String(Max)	If there are 2 or more merchandise units, they must be separated by the " " symbol The maximum length of the merchandise unit is 6 digits. Please encode the parameter values in UriEncode mode.	Unit1 Unit2 Unit3UriEncode→Unit1%7CUnit2%7CUnit3
*InvoiceItemPrice	Merchandise	String(Max)	The price cannot be an empty string,	50 50

Parameter	Parameter name	Type	Description	Example
	se price		and the format must be Price 1 Price 2 Price 3 ... Price n. When there are 2 or more product prices they must be separated by the " " symbol.	
InvoiceItemTaxType	Merchandise tax category	String(Max)	The category can be an empty string, and the format must be Tax category 1 Tax category 2 Tax category 3 ... Tax category n. When there are 2 or more tax categories, they must be separated by the " " symbol. The tax category must incorporate taxable category and tax-free. When the tax category [TaxType]=9, then the merchandise tax category should be [assign 1 if taxable] and [assign 3 if duty-free], and it needs to include 2 or more entries in merchandise tax categories, with at least one merchandise tax category set as taxable and another one in duty-free.	1 1
InvoiceRemark	Note	String(Max)	When the parameter has a value, please encode the parameter value in UriEncode mode.	
*DelayDay	Delay days	Int Default value:0	Please enter a value between 0–15 (days). If the value is 0, an invoice is issued immediately after payment is complete.	0
*InvType	Invoice Number Category	String(2)	If the category is special tax, please assign 08. If the category is normal, please assign 07.	07

Special Note: To issue an invoice at the time of payment, please refer to "[Electronic Invoice API documentation- Chapter 7 Inquiry Invoice Details](#)" (in Chinese) for further details and information.

5. ATM, CVS, or BARCODE Code Retrieval Notification

- Scenario:

After an order with payment methods ATM / CVS / BARCODE has been created, the following parameters will be sent to the returned payment URL [PaymentInfoURL] specified in the order details via Server POST.

Step1. Green World: The code (virtual account number) retrieval results message will be transmitted via ServerPost to the merchant's server URL [PaymentInfoURL]

Step2. Merchant: Upon receiving the code retrieval message from Green World, check and verify whether the checksum value is correct.

Step3. Merchant: If the checksum value is correct, respond 1|OK on the webpage end.

- Return parameter details for Green World merchants:

Parameter	Parameter name	Type	Description	Example
MerchantID	Merchant ID	String(10)		2000132
MerchantTradeNo	Merchant transaction ID	String(20)	Merchant Transaction ID transmitted to ecpay when order was created.	123456abc
StoreID	Merchant store ID	String(20)	This parameter allows merchants to enter specific store ID. This parameter only allows a combination of upper and lower case alphanumeric characters.	
RtnCode	Transaction status	Int	1. When the ATM return value is 2, this means the transaction status is success. The rest indicate failure. 2. When the CVS / BARCODE return value is 10100073 this means the transaction status is success. The rest indicate failure.	2
RtnMsg	Transaction message	String(200)		Get VirtualAccount Succeeded
TradeNo	Green World transaction ID	String(20)	Please save the link between the Green World transaction ID and the merchant transaction ID [MerchantTradeNo].	201203151740582564
TradeAmt	Transaction amount	Int		22000
PaymentType	Merchant payment method	String(20)	Please refer to the list of payment method responses	WebATM_TAISHIN
TradeDate	Transaction time	String(20)	The format is yyyy/MM/dd HH:mm:ss	2012/03/15 17:40:58
CustomField1	Custom field name 1	String(50)	Merchant notes field	
CustomField2	Custom field name 2	String(50)	Merchant notes field	
CustomField3	Custom field name 3	String(50)	Merchant notes field	

CustomField4	Custom field name 4	String(50)	Merchant notes field	
CheckMacValue	Checksum	String	The merchant must check the checksum [CheckMacValue] to verify. Please refer to the Appendix Checksum Mechanism	

When the ChoosePayment parameter is set as ATM payment:

Parameter	Parameter name	Type	Description	Example
BankCode	Payment bank code	String(3)		812
vAccount	Payment virtual account number	String(16)		9103522175887271
ExpireDate	Payment deadline	String(10)	The format is yyyy/MM/dd	2013/12/16

Special Note:

When ATM is selected for transaction, if the payment amount is incorrect, overdue, or repetitive, it is the bank which validates the information related to the payment and the account, rather than the Green World.

When the ChoosePayment parameter is set as CVS or BARCODE payment:

Parameter	Parameter name	Type	Description	Example
PaymentNo	Payment code	String(14)	If it is a barcode, this field will returned blank	GW130412257496
ExpireDate	Payment deadline	String(20)	The format is yyyy/MM/dd HH:mm:ss	2013/12/16 18:00:00
Barcode1	First barcode strip number	String(20)	The format is 9 digits, and if it is a code, this field returned blank	021030627
Barcode2	Second barcode strip number	String(20)	The format is 16 digits, and if it is a code, this field returned blank	2470200001841540
Barcode3	Third barcode strip number	String(20)	The format is 15 digits, and if it is a code, this field returned blank	103027000000100

● Merchant parameter transmission details:

Parameter	Parameter name	Type	Description	Example
		String	The value returned is a text string and does not have parameter names If the first digit returned is 1, it is success. If the first digit returned is 0, it is failure. 0 ErrorMessage refers (error code - error message).	1 OK

※Special Note:

When receiving code retrieval results notifications, please confirm the following details in order to receive the code retrieved notification sent by Green World.

- (1) Please make sure that parameter for the return URL [[PaymentInfoURL](#)] used to confirm the order creation parameter has been developed and completed.
- (2) Please confirm that the return URL [[PaymentInfoURL](#)] for payment is available externally.

The code (virtual account number) retrieval result will be returned to the page based in the chart as follows. It is displayed in “parameter=value” format. Parameters are separated by an ampersand (&). For example:

```
Barcode1=&Barcode2=&Barcode3=&ExpireDate=2017/12/28  
00:39:03&MerchantID=2000132&MerchantTradeNo=Test1513787899&PaymentNo=LLL17355880822&PaymentType=CV  
S_CVS&RtnCode=10100073&RtnMsg=Get CVS Code Succeeded.&TradeAmt=2000&TradeDate=2017/12/21  
00:39:03&TradeNo=1712210038341592&StoreID=&CustomField1=&CustomField2=&CustomField3=&CustomField4=&Ch  
eckMacValue=EA85AEB76DD14ED00016C41934471D877B53F5B292611AB29CA6FCBCE33205D0
```


6. Payment Results Notification

- Scenario I:

When the payment has been completed, the merchant will receive Green World's payment results notification and respond to it.

Step1. Green World: Transmit payment results message to the merchant's server URL [[ReturnURL](#)]

Step2. Merchant: Upon receiving the payment results message from Green World, check and verify whether the checksum is correct.

Step3. Merchant: If the checksum is correct, respond 1|OK on the webpage end.

Special note: The convenience store barcode results will be returned 2 days after payment completion due to bank processing.

- Green World Return Parameter Details I :

Parameter	Parameter name	Type	Description	Example
MerchantID	Merchant ID	String(10)		2000132
MerchantTradeNo	Merchant transaction ID	String(20)	Merchant Transaction ID transmitted to Green World when order was created. A combination of upper and lower case alphanumeric characters	123456abc
StoreID	Merchant store ID	String(20)	Allows merchants to enter specific store ID. This parameter only allows a combination of upper and lower case alphanumeric characters.	
RtnCode	Transaction status	Int	If the value returned is 1, then payment was successful. Other values indicate transaction failed and please do not ship merchandise.	1
RtnMsg	Transaction message	String(200)		Transaction success
TradeNo	Green World transaction ID	String(20)	Please save the link between the Green World transaction ID and the merchant transaction ID [MerchantTradeNo].	201203151740582564
TradeAmt	Transaction amount	Int		22000
PaymentDate	Payment time	String(20)	The format is yyyy/MM/dd HH:mm:ss	2012/03/16 12:03:12
PaymentType	Merchant payment method	String(20)	Please refer to the list of payment method responses	Credit_CreditCard
PaymentTypeChargeFee	Retail fee	Int		25
TradeDate	Transaction time	String(20)	The format is yyyy/MM/dd HH:mm:ss	2012/03/15 17:40:58
SimulatePaid	Is it a simulated	Int	Returned value: If it is 1, the transaction's payment	0

	payment?		was simulated. Do not ship the product. If it is 0, the transaction's payment was not simulated. Special Note: The merchant can facilitate interfacing API testing by configuring a simulation for Green World to transmit a payment notification for a single order through the admin website for merchants .	
CustomField1	Custom field name 1	String(50)	Merchant notes field	
CustomField2	Custom field name 2	String(50)	Merchant notes field	
CustomField3	Custom field name 3	String(50)	Merchant notes field	
CustomField4	Custom field name 4	String(50)	Merchant notes field	
CheckMacValue	Checksum	String	The merchant must check the check [CheckMacValue] to verify. Please refer to the Appendix Checksum Mechanism .	

● Merchant parameter transmission details:

Parameter	Parameter name	Type	Description	Example
		String	The value returned is a text string and does not have parameter names If the first digit returned is 1, it is success. If the first digit returned is 0, it is failure. 0 ErrorMessage refers (error code - error message).	1 OK

※Special Note:

- (1) The merchant must check if the checksum [CheckMacValue] is correct, whether a payment notice has been made for the order, and whether relevant actions have been taken to prevent losses due to unsynchronized transaction status.
- (2) If a correct message has not been received, the system will re-send it to the merchant after 5–15 minutes. After 3 unsuccessful attempts, the system will try sending again the next day.
- (3) If the merchant continues to receive returned payment information from Green World, please check if Green World is receiving the correct response 1|OK. A common wrong return value error is ("1|OK", 1|ok, OK, 1\OK,blank).
- (4) If the customer has paid but has not received payment completed information from Green World, please check the server receiving return parameters is working properly.
- (5) When the value of [SimulatePaid] is 1, it means that the order information received is a payment notification test message from a simulated payment from the merchant back-stage management system. It is not a customer's order, so Green World will not pay the merchant. Please do not ship the merchandise to avoid losses.
- (6) The merchant must determine if the transaction status [RtnCode] is 1, if it is not 1, do not ship the merchandise and request transaction information [RtnMsg] to record reason of failure.

The payment results notification will be returned to the page in parameters in chart as follows. It is displayed in "parameter=value" format. Parameters are separated by an ampersand (&). For

example:

```
MerchantID=2000132&MerchantTradeNo=TEST8477&PayAmt=300&PaymentDate=2016/11/02&11:41:12&PaymentType=Credit_CreditCard&PaymentTypeChargeFee=3&RtnCode=1&RtnMsg=交易成功
&SimulatePaid=0&TradeAmt=300&TradeDate=2016/11/02&11:40:33&TradeNo=1611021140332409&CheckMacValue=F5587E192EACB414A31127C1E370CD55
```

- Scenario II:

When an order is a periodic fixed-amount purchase, Green World will transmit payment results notification after every successful authorization.

Step 1. Green World: The second authorization is scheduled and processed by Green World. Upon successful authorization, the payment notification will be transmitted to the payment complete notification return URL [[PeriodReturnURL](#)], transmitted by the merchant, via Server POST.

Step 2. Merchant: Merchants are required to check and verify whether the checksum is correct upon receiving the payment notification message from Green World.

Step 3. Merchant: If the checksum is correct, respond 1|OK on the webpage end.

Special Note: If the first authorization is successful, the payment result parameter will be returned to the payment complete notification return URL [ReturnURL].

The second authorization is scheduled and processed by Green World. From the second authorization, the data will be returned to the payment complete notification return URL [PeriodReturnURL] set.

- Green World Return Parameter Details II:

Parameter	Parameter name	Type	Description	Example
MerchantID	Merchant ID	String(10)		2000132
MerchantTradeNo	Merchant transaction ID	String(20)	Merchant Transaction ID transmitted to merchant when order was created.	123456abc
StoreID	Merchant store ID	String(20)	Allows merchants to enter specific store ID. This parameter only allows a combination of upper and lower case alphanumeric characters.	
CustomField1	Custom field name 1	String(50)	Merchant notes field for customization	
CustomField2	Custom field name 2	String(50)	Merchant notes field	
CustomField3	Custom field name 3	String(50)	Merchant notes field	
CustomField4	Custom field name 4	String(50)	Merchant notes field	
RtnCode	Transaction status	Int	1: authorization successful. Any other value is fail.	1
RtnMsg	Transaction message	String(200)	Transaction message	Transaction success
PeriodType	Types of periods	String(1)		M
Frequency	Execution frequency	Int		2

ExecTimes	Number of executions	Int		12
Amount	Authorization amount for this transaction	Int		2000
Gwsr	Transaction authorization ID	Int	Authorization ID for this transaction	120326
ProcessDate	Process Time	String(20)	Process time (yyyy/MM/dd HH:mm:ss)	2013/11/12 12:01:32
AuthCode	Authorization code	String(6)	Authorization code	777777
FirstAuthAmount	Initial authorized amount	Int	First authorized amount for periodic fixed-amount purchases	2000
TotalSuccessTimes	Number of successful authorizations	Int		3
SimulatePaid	Is it a simulated payment?	Int	<p>Return value: If it is 1, the transaction's payment was simulated If it is 0, the transaction's payment was not simulated.</p> <p>Special Note: Currently periodic simulated payment notifications may only be triggered through the fixed-amount purchase inquiries function on the admin website for merchants. Payment notifications sent from scheduled periodic fixed-amount purchases will not transmit this parameter. When the value of [SimulatePaid] is 1, [RtnCode] will also be 1, indicating that the order is a simulated payment. Please do not ship the merchandise to avoid losses.</p>	0
CheckMacValue	Checksum	String	The merchant must check the [CheckMacValue] to verify. Please refer to the Appendix Checksum Mechanism .	

● Merchant parameter transmission details:

Parameter	Parameter name	Type	Description	Example
		String	<p>The value returned is a text string and does not have parameter names If the first digit of value returned is 1, it is success. If the first digit of value returned is 0, it is failure. 0 ErrorMessage refers (error code - error message).</p>	1 OK

※Special Note:

- (1) The merchant must check if the checksum [CheckMacValue] is correct, whether a payment notice has been made for the order, and whether relevant actions have been taken to prevent losses due to unsynchronized transaction status.
- (2) If a correct message has not been received, the system will re-send it to the merchant after 3 minutes. After 3 unsuccessful attempts, the system will try sending again the next day.
- (3) If the merchant continues to receive returned payment information from Green World, please check if Green World is receiving the correct response 1|OK. Common wrong returned value errors could be like ("1|OK", 1|ok, _OK,1\OK, blank).
- (4) If the customer has paid but has not received payment completed information from Green World, please check the server receiving return parameters is working properly.
- (5) When the value of [SimulatePaid] is 1, it means that the order information received is a payment notification test message returned from a simulated payment from the Green World merchant back-stage management system. Please do not ship the merchandise to avoid losses.
- (6) The merchant must determine if the transaction status [RtnCode] is 1, if it is not 1, do not ship the merchandise and request transaction information [RtnMsg] to record reason of failure.

7. Order Search (The API can be created according to the merchant's needs)

- Scenario:

This API provides merchants to search order information and allows them to filter valid orders.

Step 1. Merchant: Transmit the following parameters to the API URL via Server POST.

Step 2. Green World: Return order information parameters once received and verified to be correct.

- Interfacing path:

- Production: <https://payment.ecpay.com.tw/Cashier/QueryTradeInfo/V5>

- Stage: <https://payment-stage.ecpay.com.tw/Cashier/QueryTradeInfo/V5>

- Merchant parameter transmission description (items with a red asterisk * are required):

Parameter	Parameter name	Type	Description	Example
*MerchantID	Merchant ID (Provided by Green World)	String(10)		2000132
*MerchantTradeNo	Merchant transaction ID	String(20)	Merchant Transaction ID transmitted to Green World when order was created.	ecpay1234
*TimeStamp	Verification time	Int	Convert current time to UnixTimeStamp (see example) to verify the time interval of this interfacing. Green World verification time interval is currently set to be under 3 minutes and interfacing will expire if time is exceeded. Reference: http://www.epochconverter.com/ °	1234567890
PlatformID	Platform merchant ID (Provided by Green World)	String(10)	Used by contracted platform merchants. For general merchants or platform merchant interfacing, please leave empty. For use by platform merchants, please set [MerchantID] as the parameter.	
*CheckMacValue	Checksum	String	Please refer to the Appendix Checksum mechanism .	

- Green World Return Parameter Details:

The order results will be returned to the page in parameters in the chart as follows. It is displayed in “parameter=value” format. Parameters are separated by an ampersand (&). For example:

MerchantID=123456789&MerchantTradeNo=123456abc&TradeNo=201203151740582564

Parameter	Parameter name	Type	Description	Example
MerchantID	Merchant ID	String(9)		2000132
MerchantTradeNo	Merchant transaction ID	String(20)	Merchant Transaction ID transmitted to Green World when order was created.	123456abc
StoreID	Merchant store ID	String(20)	Allows merchants to enter specific store ID. This parameter only allows a combination of upper and lower case alphanumeric characters.	
TradeNo	Green World transaction ID	String(20)		201203151740582564
TradeAmt	Transaction amount	Int		22000
PaymentDate	Payment time	String(20)	The format is yyyy/MM/dd HH:mm:ss	2012/03/16 12:03:12
PaymentType	Payment method selected by merchant	String(20)		Credit
HandlingCharge	Total processing fee	Int	Only calculated after completion - \$0 before calculation	0
PaymentTypeChargeFee	Retail fee	Int		25
TradeDate	Transaction time	String(20)	The format is yyyy/MM/dd HH:mm:ss	2012/03/15 17:40:58
TradeStatus	Transaction status	String(8)	Return value: If it is 0, the order has been created but payment has not been completed. If it is 1, the order has been created and payment is complete.	0
ItemName	Merchandise name	String(200)		Merchandise 1
CustomField1	Custom field name 1	String(50)	Merchant notes field	
CustomField2	Custom field name 2	String(50)	Merchant notes field	
CustomField3	Custom field name 3	String(50)	Merchant notes field	
CustomField4	Custom field name 4	String(50)	Merchant notes field	
CheckMacValue	Checksum	String	The merchant must check the checksum [CheckMacValue] to verify. Please refer to the Appendix Checksum Mechanism .	

8. Additional Parameter Returns

- Scenario:

When the merchant is [creating order](#), if the value of “Required additional payment information” [[NeedExtraPaidInfo](#)] is Y, additional parameters will be returned (see table below).

Step 1. Merchant: When [creating an order](#), if the required additional payment information parameter [[NeedExtraPaidInfo](#)] is set to Y.

Step 2. Merchant: Return the following additional parameters when transmitting the [payment results notification](#) and [order search](#) to the merchant

Special Note: all the additional parameter returned must be checked by checksum mechanism.

- Green World Response Parameter Details:

Parameter	Parameter name	Type	Description	Example
WebATMAccBank	Payment Bank Code	String(3)	If the bank did not provide such information, it will be returned blank	812
WebATMAccNo	Last 5 digits of the payer's bank account	String(5)	If the bank did not provide such information, it will be returned blank	12345
WebATMBankName	Bank name	String(10)	Please refer to the payment method list	TAISHIN
ATMAccBank	Payment Bank Code	String(3)	If the bank did not provide such information, it will be returned blank	812
ATMAccNo	Last 5 digits of the payer's bank account	String(5)	If the bank did not provide such information, it will be returned blank	12345
PaymentNo	Payment code	String(14)	If it is BARCODE, return blank	GW120821847169
PayFrom	Convenience store payment	String(10)	family: FamilyMart hilife: Hi-Life okmart: OK • MART ibon:7-11	family
gwsr	Transaction authorization ID	Int		10123456
process_date	Process Time	String(20)	The format is yyyy/MM/dd HH:mm:ss	2013/12/19 13:55:20
auth_code	Authorization code	String(6)		777777
amount	Amount	Int		400
stage	Installment periods	Int		3
stast	Amount of initial installment	Int		134
staed	Amount per remaining installment	Int		133
eci	3D(VBV)	Int	Return value (eci = 5,6,2,1 means that transaction was a 3D transaction)	5
card4no	Last 4 digits of credit card	String(4)		2222
card6no	First 6 digits of credit card	String(6)		431195
red_dan	Bonus points deducted	Int		0

Parameter	Parameter name	Type	Description	Example
red_de_amt	Amount deducted from bonus points	Int		0
red_ok_amt	Actual amount charged	Int		0
red_yet	Remaining bonus points	Int		0
PeriodType	Type of periods set when order was created	String(1)		D
Frequency	Execution frequency set when order was created	Int		2
ExecTimes	Execution frequency set when order was created	Int		5
PeriodAmount	Amount per authorization set when order was created	Int		200
TotalSuccessTimes	Number of successful authorizations to date	Int		5
TotalSuccessAmount	Amount authorized to date	Int		1000

9. Order Search for Periodic Fixed-Amount Purchases on Credit Cards

- Scenario:

The merchant can search for authorization details of every transaction under order inquiry for periodic fixed-amount purchases.

Step 1. Merchant: Transmit the following parameters to API URL via Server POST.

Step 2. Green World: Return periodic fixed-amount order information once received and verified to be correct.

- Interfacing path:

- Production: <https://payment.ecpay.com.tw/Cashier/QueryCreditCardPeriodInfo>

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

- Merchant return parameter details:

Parameter	Parameter name	Type	Description	Example
*MerchantID	Merchant ID	String(10)		1050123
*MerchantTradeNo	Merchant transaction ID	String(20)	Merchant Transaction ID transmitted to Green World when order was created.	ecpay1234
*TimeStamp	Verification time	Int	Convert current time to UnixTimeStamp (see example) to verify the time interval of this interfacing. Green World verification time interval is currently set to be under 3 minutes and interfacing will expire if time is exceeded. Reference: http://www.epochconverter.com/	1234567890
*CheckMacValue	Checksum	String	Please refer to the Appendix Checksum Mechanism	

The search results will be returned to the page in JSON chart format.

Return example (for illustration purposes, the following example has been reformatted):

```
{
  "MerchantID": "1050123",
  "MerchantTradeNo": "ecpay1234",
  "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"}
    ]
}

```

The returned JSON can be categorized as (I) Main authorization information and (II) Periodic fixed-amount purchase details. Their respective details are as follows:

(I) Main authorization information (highlighted in the example below):

```

{
  "MerchantID": "1050123",
  "MerchantTradeNo": "ecpay_1234",
  "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",

```

```

"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"}
]
}

```

Main authorization information parameter details:

Parameter	Parameter name	Type	Description	Example
MerchantID	Merchant ID	String(9)		1050123
MerchantTradeNo	Merchant transaction ID	String(20)	Merchant Transaction ID transmitted to Green World when order was created.	ecpay1234

TradeNo	Green World transaction ID	String(20)	The Green World transaction ID generated in the first authorization	20140721173014442498
RtnCode	Transaction status	Int	A return value of 1 indicates successful authorization, while any other value indicates failure. For more information on error codes, please refer to the list of transaction status codes.	1
PeriodType	Types of periods	String(1)		D
Frequency	Execution frequency	Int		1
ExecTimes	Number of executions	Int		12
PeriodAmount	Amount per authorization	Int		1000
amount	Authorized amount	Int		1000
gwsr	Transaction authorization ID	Int		24548751
process_date	Time of successful authorization	String(20)	The format is yyyy/MM/dd HH:mm:ss	2014/07/21 17:35:45
auth_code	Authorization code	String(6)		237523
card4no	Last 4 digits of credit card	String(4)		2369
card6no	First 6 digits of credit card	String(6)		523782
TotalSuccessTimes	Total number of successful authorizations	Int		3
TotalSuccessAmount	Total amount successfully authorized	Int		3000
ExecStatus	Execution status	String(1)	The return value is as follows: 1. If it is 0, the authorization has been canceled 2. If it is 1, the authorization is being processed 3. If it is 2, the authorization has been completed	2
ExecLog	Details of each authorization	None	Individual authorization records. For example, if authorization has been successful for 3 times already (TotalSuccessTimes is 3), you will see	

			3 authorization records. For field details, see the authorization detail parameters for periodic fixed-amount purchases below.	
--	--	--	---	--

(II) Periodic fixed-amount purchases authorization details (highlighted in the example below):

```

{
  "MerchantID":"1050123",
  "MerchantTradeNo":"ecpay1234",
  "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"},
  ]
}

```

Periodic fixed-amount purchase authorization parameter details:

Parameter	Parameter name	Type	Description	Example
RtnCode	Transaction status	Int	A return value of 1 indicates successful authorization, while any other value indicates failure. For more information on error codes, please refer to the list of transaction status codes.	1
amount	Authorized amount	Int		1000
gwsr	Transaction authorization ID	Int		24549277
process_date	Time of successful authorization	String(20)	The format is yyyy/MM/dd HH:mm:ss	2014/07/22 01:12:30
auth_code	Authorization code	String(6)		185279

10. Checksum Mechanism

When transmitting data to Green World, all parameters must go through a checksum check, with the exception of the checksum [CheckMacValue] and parameters with “unavailable” in the note field. The following example is an order created with [AioCheckOut] and a checksum value calculated in SHA256 encryption mode. The order has a parameter value `EncryptType = 1` (only orders created with AioCheckOut will have this parameter).

The following is an example of a word string to be encrypted:

```
TradeDesc=促銷方案&PaymentType=aio&MerchantTradeDate=2013/03/12
15:30:23&MerchantTradeNo=ecpay20130312153023&MerchantID=2000132&ReturnURL=https://www.ecpay.com.tw/receive.php&ItemName=Apple iphone 7 手機殼
&TotalAmount=1000&ChoosePayment=ALL&EncryptType=1
```

The checksum is calculated as follows:

- (1) The parameters to be transmitted will be sorted alphabetically and linked via an ampersand (&).

```
ChoosePayment=ALL&EncryptType=1&ItemName=Apple iphone 7 手機殼
&MerchantID=2000132&MerchantTradeDate=2013/03/12
15:30:23&MerchantTradeNo=ecpay20130312153023&PaymentType=aio&ReturnURL=https://www.ecpay.com.tw/receive.php&TotalAmount=1000&TradeDesc=促銷方案
```

- (2) The parameter will be sandwiched by HashKey in the front and HashIV in the back.

```
HashKey=5294y06JbISpM5x9&ChoosePayment=ALL&EncryptType=1&ItemName=Apple iphone 7
手機殼&MerchantID=2000132&MerchantTradeDate=2013/03/12
15:30:23&MerchantTradeNo=ecpay20130312153023&PaymentType=aio&ReturnURL=https://www.ecpay.com.tw/receive.php &TotalAmount=1000&TradeDesc=促銷方案
&HashIV=v77hoKGq4kWxNNIS
```

- (3) The entire string will go through URL encoding

```
HashKey%3d5294y06JbISpM5x9%26ChoosePayment%3dALL%26EncryptType%3d1%26ItemName%
3dApple+iphone+7+%e6%89%8b%e6%a9%9f%e6%ae%bc%26MerchantID%3d2000132%26Mercha
ntTradeDate%3d2013%2f03%2f12+15%3a30%3a23%26MerchantTradeNo%3decpay201303121530
23%26PaymentType%3daio%26ReturnURL%3dhttps%3a%2f%2fwww.ecpay.com.tw%2freceive.php
%26TotalAmount%3d1000%26TradeDesc%3d%e4%bf%83%e9%8a%b7%e6%96%b9%e6%a1%88%2
6HashIV%3dv77hoKGq4kWxNNIS
```

If PHP is used for URL encoding:

```
HashKey%3d5294y06JbISpM5x9%26ChoosePayment%3dALL%26EncryptType%3d1%26ItemName%
3dApple%20iphone%207%20%e6%89%8b%e6%a9%9f%e6%ae%bc%26MerchantID%3d2000132%2
6MerchantTradeDate%3d2013%2f03%2f12%2015%3a30%3a23%26MerchantTradeNo%3decpay201
30312153023%26PaymentType%3daio%26ReturnURL%3dhttps%3a%2f%2fwww.ecpay.com.tw%2fr
eceive.php%26TotalAmount%3d1000%26TradeDesc%3d%e4%bf%83%e9%8a%b7%e6%96%b9%e6%
a1%88%26HashIV%3dv77hoKGq4kWxNNIS
```

(4) Switched to lowercase

```
hashkey%3d5294y06jbispm5x9%26choosepayment%3dall%26encrypttype%3d1%26itemname%3dapple+iphone+7+%e6%89%8b%e6%a9%9f%e6%ae%bc%26merchantid%3d2000132%26merchantradedate%3d2013%2f03%2f12+15%3a30%3a23%26merchantradenodecpay20130312153023%26paymenttype%3daio%26returnurl%3dhttps%3a%2f%2fwww.ecpay.com.tw%2freceive.php%26totalamount%3d1000%26tradedesc%3d%e4%bf%83%e9%8a%b7%e6%96%b9%e6%a1%88%26hashiv%3dv77hokgq4kwxnnis
```

If PHP is used for URL encoding:

```
hashkey%3d5294y06jbispm5x9%26choosepayment%3dall%26encrypttype%3d1%26itemname%3dapple%20iphone%207+%e6%89%8b%e6%a9%9f%e6%ae%bc%26merchantid%3d2000132%26merchantradedate%3d2013%2f03%2f12%2015%3a30%3a23%26merchantradenodecpay20130312153023%26paymenttype%3daio%26returnurl%3dhttps%3a%2f%2fwww.ecpay.com.tw%2freceive.php%26totalamount%3d1000%26tradedesc%3d%e4%bf%83%e9%8a%b7%e6%96%b9%e6%a1%88%26hashiv%3dv77hokgq4kwxnnis
```

(5) Characters will be converted via the urlencode conversion table (if you use PHP for URL encoding)

```
hashkey%3d5294y06jbispm5x9%26choosepayment%3dall%26encrypttype%3d1%26itemname%3dapple+iphone+7+%e6%89%8b%e6%a9%9f%e6%ae%bc%26merchantid%3d2000132%26merchantradedate%3d2013%2f03%2f12+15%3a30%3a23%26merchantradenodecpay20130312153023%26paymenttype%3daio%26returnurl%3dhttps%3a%2f%2fwww.ecpay.com.tw%2freceive.php%26totalamount%3d1000%26tradedesc%3d%e4%bf%83%e9%8a%b7%e6%96%b9%e6%a1%88%26hashiv%3dv77hokgq4kwxnnis
```

(6) The string is then encrypted using SHA256 to generate a hash value

```
cfa9bde377361fbdd8f160274930e815d1a8a2e3e80ce7d404c45fc9a0a1e407
```

(7) It is then converted into upper case to generate a CheckMacValue

```
CFA9BDE377361FBDD8F160274930E815D1A8A2E3E80CE7D404C45FC9A0A1E407
```

※Special Note:

- (1) The merchant must check [CheckMacValue] to verify when they receive information transmitted by Green World. If the merchant does not check, they may suffer from losses.
- (2) Please use SHA256 encryption to generate hash values.
- (3) Please make sure that the converted results after urlencode function in your language corresponds to the “.NET Encoding (ecpay)” value in the [URLENCODE CONVERSION TABLE](#). If there are any unsupported characters, please use the character replacement function so the results will pass the checksum test.

For example: PHP urlencode function will encode ! Into %21, which is not accepted according to the “.NET encoding (ecpay)” rules, so the %21 will have to be converted back into ! With str_replace function after the PHP urlencode function. Here's a PHP conversion example:

```
$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);
```

For conversion functions in other programming languages, please refer to the relevant encoding conversion rules.

11. Credit card settlement/refund/cancel/forfeit (if the API is not created, the functions can be accessed from the merchant's back-stage functions)

- Scenario:

When the order's authorization is successful, you can view the "transaction status" via [14. Search single credit card single transaction details API](#), before proceeding accordingly.

- **"Settlement"**: The orders are automatically settled at 20:00 of each day. Green World will request/return funds from the bank according to the settlement amount.

Special Note: Orders must be settled within 21 days if the merchant has turned off the automatic settlement function. If orders are not settled, the account will not be able to be settled via API. The error message will be -error_overDAY and customer service must be contacted to settle.

If an order is not settled, a notice will be sent out on the 80th day informing that credit card settlement is still open. Unsettled orders over 90 days will be forfeited.

- **"Refund"**: Price adjustments for order after settlement.

✂The limit is the value of the order.

Special Note:

(1) Installment payment transactions can only be refunded in full. Partial refunds are only available to orders made with standard authorization.

(2) Redeem credit card bonus payment transactions can only be refunded in full. Partial refunds are only available to orders made with standard authorization.

- **"Cancel"**: Cancel settlement and revert order to pre-settlement status.

- **"Forfeit"**: Forfeit to request funds before daily settlement.

Special Note: This API does not support the "disable payment" function for periodic fixed-amount purchases. To disable receiving funds for periodic fixed-amount purchases, please login to the back-stage management system to make adjustments.

The path is Credit card acquiring > Periodic fixed-amount purchases search > Details/Edit

- Interfacing path:

- Production: <https://payment.ecpay.com.tw/CreditDetail/DoAction>

- Stage: This API can not be used because no real authorizations can be provided

- Merchant return parameter description (items with a red asterisk * are required):

Parameter	Parameter name	Type	Description	Example
*MerchantID	Merchant ID (Provided by Green World)	String(10)		2000132
*MerchantTradeNo	Merchant transaction ID	String(20)	Merchant Transaction ID transmitted to Green World when order was created.	ecpay1234
*TradeNo	Green World transaction ID	String(20)	Please save the link between the Green World transaction ID and the merchant transaction ID [MerchantTradeNo].	1234567890
*Action	Execute	String(1)	Perform designated action for order	C

Parameter	Parameter name	Type	Description	Example
			C: Settlement R: Refund E: Cancel N: Forfeit	
*TotalAmount	Amount	Int		22000
*CheckMacValue	Checksum	String	Please refer to the Appendix Checksum Mechanism	
PlatformID	Platform merchant ID (Provided by Green World)	String(10)	Used by contracted platform merchants. For general merchants or platform merchant interfacing, please leave empty. For use by platform merchants, please set [MerchantID] as the parameter.	

- Green World Response Parameter Details:

The order results will be returned to the page. It is displayed in “parameter=value” format. Parameters are separated by an ampersand (&). For example:

`MerchantID=2000132&MerchantTradeNo=ecpay1234&TradeNo=201203151740582564`

Parameter	Parameter name	Type	Description	Example
MerchantID	Merchant ID	String(9)		2000132
MerchantTradeNo	Merchant transaction ID	String(20)	Merchant Transaction ID transmitted to Green World when order was created.	ecpay1234
TradeNo	Green World transaction ID	String(20)		201203151740582564
RtnCode	Transaction status	Int	Return value: 1: success, rest: fail	1
RtnMsg	Transaction message	String(200)		

12. Downloading Merchant Balance Statement

- Scenario:

Merchants can download their statements in CSV format.

Step 1. Merchant: Transmit the specific order details and category to Green World via POST (HTTP Method).

Step 2. Green World: Upon receiving a merchant's order inquiry and checking the details, return a CSV file for the merchant to download.

※Special Note:

- (1) The API has restrictions on IP access. Please set up the IP under "Merchant Back-Stage Management System -> Basic information inquiry -> Basic merchant information".
- (2) Only 1 CSV may be downloaded per minute.

- Interfacing path:

- Production :<https://vendor.ecpay.com.tw/PaymentMedia/TradeNoAio>
- Stage:<https://vendor-stage.ecpay.com.tw/PaymentMedia/TradeNoAio>

- Merchant return parameter description (items with a red asterisk * are required):

Parameter	Parameter name	Type	Description	Example
*MerchantID	Merchant ID (Provided by Green World)	String(10)		2000132
*DateType	Search date category	String(1)	The date category to be inquired 2: Check date paid 4: Check date disbursed date 5: Check date refunded 6: Check order date	2
*BeginDate	Query start date	String(10)	The start date of the query Date format is "yyyy-MM-dd"	2015-02-12
*EndDate	Query end date	String(10)	The end date of the query Date format is "yyyy-MM-dd"	2015-02-12
PaymentType	Payment method	String(2)	Check the payment method for an order 01: Credit cards 02: WebATM 03: ATM 04: Convenience store codes 05: Convenience store barcodes 08: Credit card (OTP) 10: FamilyMart barcode Ignore this parameter: search all	02
PlatformStatus	Order category	String(1)	The order category to be inquired 1: General order 2: Platform order Ignore this parameter: search all	0
PaymentStatus	Payment status	String(1)	The order payment status to be inquired 0: Unpaid orders 1: Paid orders 2: Failed orders Ignore this parameter: All orders	1

Parameter	Parameter name	Type	Description	Example
AllocateStatus	Disbursement status	String(1)	The disbursement status of the order to be inquired 0: Order has not been disbursed 1: Order has been disbursed Ignore this parameter: All orders	0
*MediaFormatted	CSV format	String(1)	The format of the file to be downloaded 0: Old file format 1: New file format	1
CharSet	File encoding format	String(1)	File encoding format to download If it is in Big5 format, please bring 1 parameter. If it is in UTF8 format, please bring 2 parameters. If this parameter is not passed in or is null, the default is Server Default encoding format.	1
*CheckMacValue	Checksum	String	Please refer to the Appendix Checksum Mechanism	

- Green World Response CSV Old File Format Details:

Field name	Type	Description
Transaction date	String	• The default format is yyyy/MM/dd hh:mm:ss
Green World transaction ID	String	
Merchant order ID	String	
ATM barcode	String	
Transaction amount	Int	
Payment method	String	
Payment result	String	
Payment date	String	
Payment source (Bank/Convenience store)	String	
Retail fee	Int	
Rate (% or \$ per transaction)	String	
Retail fee sum	Int	
Receivables (net)	Int	
Disbursement status	String	
Disbursement date	String	• The default format is yyyy/MM/dd hh:mm:ss
Note	String	

- Green World Response CSV New File Format Details:

Field name	Type	Description
Order date	String	The default format is yyyy/MM/dd hh:mm:ss
Merchant order ID	String	
Green World order ID	String	
Store ID	String	
MID	String	
Platform name	String	
Payment method	String	
Rate (per transaction)	String	
Credit card authorization number	String	
Last 4 digits of credit card	String	
Convenience store information/ATM payment account	String	
Payment status	String	
Transaction amount	Int	
Refund date	String	• The default format is yyyy/MM/dd hh:mm:ss
Refund amount	Int	
Transaction fee	Int	
Platform fee	Int	
Receivables (net)	Int	
Disbursement status	String	
Note	String	
Merchant Notes	String	
Merchandise name	String	
Transaction description	String	
Payer name	String	
Payer phone number	String	
Payer email	String	
Recipient name	String	
Recipient phone	String	
Recipient address	String	
Recipient email	String	
Business Tax ID	String	

※Special Note:

- (1) The download format is the same as the “General order inquiry/Overall payments” in the admin website for merchants.
- (2) If there is no data, the statement file will only contain the field names.
- (3) If an error occurs, the statement fill will include a data entry recording the messages returned at the time of execution at the “Notes” or “Merchant Notes” section, in addition to the field names. All remaining fields will be empty.
- (4) The file’s default encryption method is BIG-5.

13. Search for a Single Credit Card Transaction

- Scenario:
Enables merchants to check a single credit card transaction.
- Interfacing path:
 - Production :<https://payment.ecPay.com.tw/CreditDetail/QueryTrade/V2>
 - Stage: This API can not be used because no real authorizations can be provided
- Merchant return parameter description (items with a red asterisk * are required):

Parameter	Parameter name	Type	Description	Example
*MerchantID	Merchant ID (Provided by ecPay)	String(10)		2000132
*CreditRefundId	Credit card authorization number	Int		10123456
*CreditAmount	Amount	Int		
*CreditCheckCode	Merchant Checksum	Int	This can be found in Merchant Back-Stage Management System -> Credit Card Acquiring-> Credit Card Authorization Information	59997889
*CheckMacValue	Checksum	String	Please refer to the Appendix Checksum Mechanism	

The search results will be returned to the page in JSON chart format.

Return example (for illustration purposes, the following example has been reformatted):

```
{
  "RtnMsg": "",
  "RtnValue": {
    "TradeID": "0015625112",
    "amount": "1",
    "clsamt": "1",
    "authtime": "2016/5/12 下午 07:09:17",
    "status": "Has been settled ",
    "close_data": [
      {
        "status": "已關帳",
        "sno": "2782343",
        "amount": "1",
        "datetime": "2016/5/12 下午 08:00:00"
      }
    ]
  }
}
```

The returned JSON can be categorized as (I) Main transaction information and (II) Detail information Their respective details are as follows:

(I) Main authorization information (highlighted in the example below):

```
{
  "RtnMsg": "",
  "RtnValue": {
    "TradeID": "0015625112",
    "amount": "100",
    "clsamt": "100",
    "authtime": "2016/5/12 下午
    07:09:17",
  }
  "close_data": [
    {
      "status": "已關帳",
      "sno": "2782343",
      "amount": "100",
      "datetime": "2016/5/12 下午 08:00:00"
    }
  ]
}
```

Main authorization information parameter details:

Parameter	Parameter name	Type	Description	Example
RtnMsg	Response	String(200)	If it is successful, the return value will be: ok If there is no merchant or the merchant has expired, the return value is: error_Stop If there is no such transaction authorization number, the return value is: error_nopay If an error occurs or the data check fails, the return value is: error	ok
RtnValue	Response			
TradeID	Authorization number	Int		0015625112
amount	Transaction amount	Int		100
clsamt	Amount settled	Int		100
authtime	Transaction time	String(24)		2016/5/12 PM 07:09:17
status	Transaction	String(30)	If there are no settlement	Authorized

	status		transaction details, the status return value will be: Canceled: This transaction has been canceled Unauthorized: Unauthorized by bank Authorized: Bank has completed authorization If there are a settlement transaction details, the status return value will be: Refused by bank To be settled Settling Has been settled To be canceled Cancellation in process Canceled Bank chargeback in progress Bank chargeback complete Batch failed unknown Operation canceled	
--	--------	--	---	--

(II) Detail Information (highlighted in the example below):

```

{
  "RtnMsg": "",
  "RtnValue": {
    "TradeID": "0015625112",
    "amount": "1",
    "clsamt": "1",
    "authtime": "2016/5/12 下午 07:09:17",
    "status": "已關帳",
    "close_data": [
      {
        "status": "已關帳",
        "sno": "2782343",
        "amount": "100",
        "datetime": "2016/5/12 下午 08:00:00"
      }
    ]
  }
}

```

Parameter details on detail information:

Parameter	Parameter name	Type	Description	Example
status	Status	String(30)	The status return value is as follows: Refused by bank To be settled Settling	Has been settled

			Has been settled To be canceled Cancellation in process Canceled Bank chargeback in progress Bank chargeback complete Batch failed unknown Operation canceled	
amount	Transaction amount	Int		100
sno	Settlement serial number	String(30)		2782343
datetime	Settlement time	String(24)		2016/5/12 PM 08:00:00

14. Downloading the Credit Card Disbursement Balance Statement File

- Scenario:

Merchants can download their credit card disbursement statement in CSV format.

Step 1. Merchant: Transmit the credit card disbursement details and category to Green World via POST (HTTP Method) for inquiry.

Step 2. Green World: Upon receiving merchant's credit card disbursement inquiry and checking details, return a CSV file for the merchant to download.

- Interfacing path:

- Production :<https://payment.ecPay.com.tw/CreditDetail/FundingReconDetail>

- Stage: This API can not be used because no real authorizations can be provided

- Merchant return parameter description (items with a red asterisk * are required):

Parameter	Parameter name	Type	Description	Example
*MerchantID	Merchant ID (provided by Green World)	String(10)		123456789
*PayDateType	Search date category	String(10)	The date category to be inquired fund: Check disbursed date close: check settlement date enter: check entry date	close
*StartDate	Query start date	String(10)	The start date of the query Date format is "yyyy-MM-dd"	2015-02-12
*EndDate	Query end date	String(10)	The end date of the query Date format is "yyyy-MM-dd"	2015-02-12
*CheckMacValue	Checksum	String	Please refer to the Appendix Checksum Mechanism	

- Green World Response CSV File Format Details:

Field name	Type	Description
Serial number	String	
Authorization number	String	
Authorization code	String	
Order ID	String	
Transaction date	String	
Payment requested date	String	
Transaction amount	Int	
Service fee (%)	Int	
Amount of payment	Int	

※Special Note:

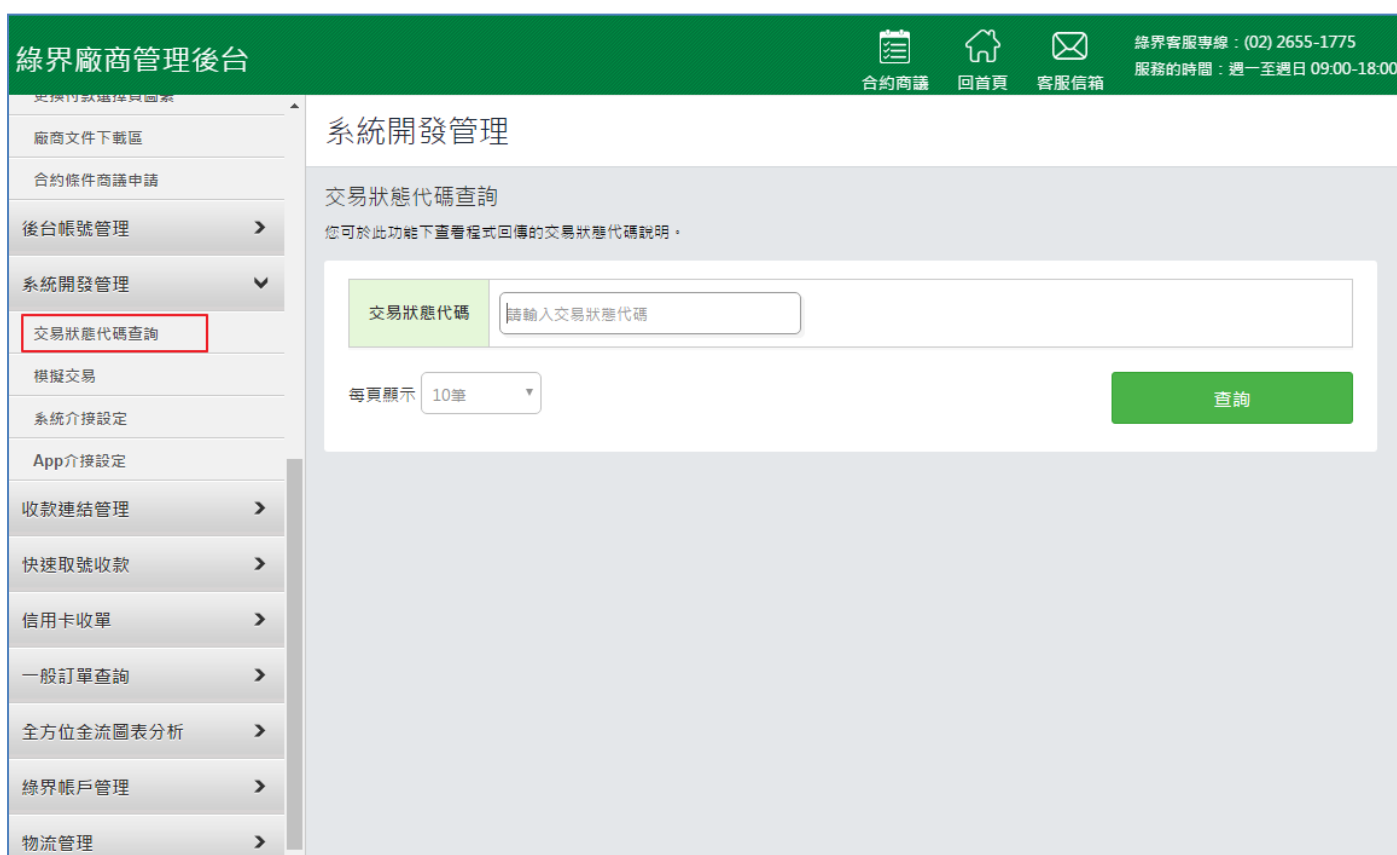
- (1) Please set the POST Header encoding to BIG5 to avoid the return data becoming garbled
- (2) The file's default encryption method is BIG-5.
- (3)

Appendix 1 Keyword list

Name	Description
Merchant	The seller who is providing Green World's payment services to the buyer
Merchant	The contracted store who has signed a contract with Green World for payment services
Platform merchant	A platform merchant who has signed a contract with Green World for payment services
AioCheckOut	API service provided by Green World
Green World order	Order generated on Green World after Green World has confirmed that the merchant's order details are correct
Checksum	The data information check string generated by the checksum generating mechanism after transmitting transaction details
OTP	Text message verification service for credit card transactions

Appendix 2 List of Transaction Status Codes

As new error codes are always being added, please visit the Merchant back-stage management system -> System Development Management -> transaction status code query on Green World for a comprehensive list of error codes.



The screenshot displays the '綠界廠商管理後台' (Green World Merchant Backstage Management) interface. The main navigation menu on the left includes options like '廠商文件下載區', '合約條件商議申請', '後台帳號管理', '系統開發管理', '模擬交易', '系統介接設定', 'App介接設定', '收款連結管理', '快速取號收款', '信用卡收單', '一般訂單查詢', '全方位金流圖表分析', '綠界帳戶管理', and '物流管理'. The '系統開發管理' (System Development Management) section is expanded, and the '交易狀態代碼查詢' (Transaction Status Code Query) option is highlighted with a red box. The main content area shows the '系統開發管理' header and the '交易狀態代碼查詢' section. Below the header, there is a text input field labeled '交易狀態代碼' with the placeholder '請輸入交易狀態代碼'. A dropdown menu for '每頁顯示' (Items per page) is set to '10筆'. A green '查詢' (Query) button is located to the right of the input field. The top right corner of the interface displays contact information: '綠界客服專線：(02) 2655-1775' and '服務的時間：週一至週日 09:00-18:00'.

Appendix 3 Payment Method List

Payment method	Payment sub-method	Payment method name
WebATM	TAISHIN	WebATM_Taishin Bank
	ESUN	WebATM_E.SUN Bank
	BOT	WebATM_Bank of Taiwan
	FUBON	WebATM_Taipei Fubon Bank
	CHINATRUST	WebATM_Chinatrust Bank
	FIRST	WebATM_First Bank
	CATHAY	WebATM_Cathay United Bank:
	MEGA	WebATM_Mega International Commercial Bank
	LAND	WebATM_Land Bank
	TACHONG	WebATM_Ta Chong Bank
	SINOPAC	WebATM_Bank SinoPac
ATM	TAISHIN	ATM_Taishin Bank
	ESUN	ATM_E.SUN Bank
	BOT	ATM_Bank of Taiwan
	FUBON	ATM_Taipei Fubon Bank
	CHINATRUST	ATM_Chinatrust Bank
	FIRST	ATM_First Bank
	LAND	ATM_Land Bank
	CATHAY	ATM_Cathay United Bank
	TACHONG	ATM_Ta Chong Bank
CVS	CVS	Convenience store code payment
	OK	OK • MART code payment
	FAMILY	FamilyMart code payment
	HILIFE	Hi-Life code payment
	IBON	7-11 ibon code payment
BARCODE	BARCODE	Convenience store barcodes payment
Credit		Credit card_MasterCard_JCB_VISA
AndroidPay		AndroidPay

Appendix 4 Payment Method Response List

Reply payment method (PaymentType)	Payment method name
WebATM_TAISHIN	Taishin Bank WebATM
WebATM_ESUN	E.SUN Bank WebATM
WebATM_BOT	Bank of Taiwan WebATM
WebATM_FUBON	Taipei Fubon Bank WebATM
WebATM_CHINATRUST	Chinatrust Bank WebATM
WebATM_FIRST	First Bank WebATM
WebATM_CATHAY	Cathay United WebATM
WebATM_MEGA	Mega International Commercial Bank WebATM
WebATM_LAND	Land Bank WebATM
WebATM_TACHONG	Ta Chong Bank WebATM
WebATM_SINOPAC	Bank SinoPac WebATM
ATM_TAISHIN	Taishin Bank ATM
ATM_ESUN	E.SUN Bank ATM
ATM_BOT	Bank of Taiwan ATM
ATM_FUBON	Taipei Fubon Bank ATM
ATM_CHINATRUST	Chinatrust Bank ATM
ATM_FIRST	First Bank ATM
ATM_LAND	Land Bank of Taiwan ATM
ATM_CATHAY	Cathay United Bank ATM
ATM_TACHONG	Ta Chong Bank ATM
CVS_CVS	Reference number to be paid at convenience store
CVS_OK	OK • MART code payment
CVS_FAMILY	FamilyMart code payment
CVS_HILIFE	Hi-Life code payment
CVS_IBON	7-11 ibon code payment
BARCODE_BARCODE	Convenience store barcodes payment
Credit_CreditCard	Credit cards
AndroidPay	AndroidPay

Appendix 5 URLEncode Conversion Table

Symbol	URL-Encode results	.NET URL-Encode results
-	%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

Appendix 6 Example of Periodic Fixed-Amount Purchases

Example 1 A subscription on a music platform for \$150/month for a duration of 1 year. The service was applied for and became effective on 2016/1/31. The payment method is a credit card periodic fixed-amount purchase with a frequency of once a month.

■ 扣款週期：

次數	日期	信用卡授權金額	授權狀態
1	2016/1/31	150	授權成功
2	2016/2/29	150	授權成功
3	2016/3/31	150	授權成功
4	2016/4/30	150	授權成功
5	2016/5/31	150	授權成功
6	2016/6/30	150	授權成功
7	2016/7/31	150	授權成功
8	2016/8/31	150	授權成功
9	2016/9/30	150	授權成功
10	2016/10/31	150	授權成功
11	2016/11/30	150	授權成功
12	2016/12/31	150	授權成功

■ 參數設定：

參數	參數名稱	參數值
PeriodAmount	每次授權金額	150
PeriodType	週期種類	M
Frequency	執行頻率	1
ExecTimes	執行次數	12

扣款週期	Payment period
次數	Time(s)
日期	Date
信用卡授權金額	Authorized amount on credit card
授權狀態	Authorization status
授權成功	Authorization successful

參數設定	Parameters Set-up
參數	Parameter
參數名稱	Parameter name
參數值	Parameter Value
每次授權金額	Amount per authorization
週期種類	Types of periods
執行頻率	Execution frequency
執行次數	Number of executions

Example 2 A purchase for vitamins was made in a store for a period of 6 months with a monthly payment amount of \$680. A total of 6 payments (6 months) will be made. Transaction was made on 2016/1/10.

■ 扣款週期：

次數	日期	信用卡授權金額	授權狀態
1	2016/1/10	680	授權成功
2	2016/2/10	680	授權成功
3	2016/3/10	680	授權失敗
3	2016/4/10	680	授權成功
4	2016/5/10	680	授權成功
5	2016/6/10	680	授權成功
6	2016/7/10	680	授權成功

於 2016/3/10 執行第 3 次扣款，但因為授權失敗(有可能消費者的額度不足等原因造成失敗)，所以未扣款成功，故不計次，會於下一個週期再進行第 3 次扣款，直至成功扣款 6 次，才會結束扣款。

■ 參數設定：

參數	參數名稱	參數值
PeriodAmount	每次授權金額	680
PeriodType	週期種類	M
Frequency	執行頻率	1
ExecTimes	執行次數	6

扣款週期	Payment period
次數	Time(s)
日期	Date
信用卡授權金額	Authorized amount on credit card
授權狀態	Authorization status
授權成功	Authorization successful
授權失敗	Authorization failed
於 2016/3/10 執行第 3 次扣款，但因為授權失敗(有可能消費者的額度不足等原因造成失敗)，所以未扣款成功，故不計次，會於下一個週期再進行第 3 次扣款，	The third authorization attempt was on 2016/3/10. However, as authorization failed (possibly be due to a lack of credit on the card or other reasons), payment was unsuccessful and the authorization did not count towards the total number of deductions.

直至成功扣款 6 次，才會結束扣款。	A third authorization attempt will take place on the next payment period, and will be terminated when there have been 6 successful payments.
參數設定	Parameters Set-up
參數	Parameter
參數名稱	Parameter name
每次授權金額	Amount per authorization
週期種類	Types of periods
執行頻率	Execution frequency
執行次數	Number of executions
參數值	Parameter Value

Example 3 If the customer no longer wishes to proceed with the purchase and needs to cancel the periodic fixed-amount payment method, the merchant may cancel the transaction by logging in to the Green World merchant back-stage management system.

1. Login to the Green World merchant back-stage management system <https://vendor.ecpay.com.tw/>
2. (1) Credit card acquiring → (2) Periodic fixed-amount purchases Inquiry → (3) Search for the order to be canceled
3. Locate the order to be canceled and click details/edit

信用卡收單>定期定額查詢

訂單日期: 2016-01-27 - 2016-01-30
 廠商訂單編號: 每頁顯示: 全部

廠商訂單編號	交易描述	週期種類	設定的執行頻率	設定的執行次數	每次要授權金額	已授權金額	已執行成功次數	最後執行時間	訂單日期	狀態	刷卡明細	模擬付款
		月	1	99	600.00	600.00	1	2016-01-29	2016-01-29	啟用	<input type="button" value="明細/編輯"/>	<input type="button" value="模擬付款"/>
小計	筆數: 1		1	99	600	600	1					

4. (1) Click Disable → (2) Modify state

最後執行時間: 2016-01-29

啟用狀態: 啟用 停用 1.

2.

明細編號	授權單號	每次要授權金額	已授權金額	執行時間	授權結果
		600.00	600	2016-01-29	成功
小計		600	600	筆數: 1	