



## VeriTrans4G Interface Details

### ~ Bank Payment ~

Ver. 1.0.2 beta (December 2017)

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# Chapter 1 About this Document

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## 1-1 Contents of this Guide

This guide is intended for developers integrating their website with VeriTrans4G MDK (Merchant Development Kit) offered by VeriTrans Inc. It also describes the interface details used in VeriTrans4G Bank Payments.

For more information about VeriTrans4G, please refer to the "VeriTrans4G Development Guide".

Interface details are provided for each payment service separately. Please refer to the relevant document.

## 1-2 Copyright and Contact Details

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[Contact Details] Technical Support, VeriTrans Inc. E-mail: [tech-support@veritrans.jp](mailto:tech-support@veritrans.jp)

## 1-3 Revision History

2017/04: Released Ver1.0.0

- \* Updated version of 'VeriTrans3G Interface details ~Bank Payment~' Ver 2.0.2 is as follows.  
Added "3-2 About Financial Institutions"

2017/10: Released Ver1.0.1

Added push URL item to the request message

2017/12: Released Ver1.0.2

"2.2.2 Response Message: BankAuthorizeResponseDto" : Added description of "url"

"3-2 About Handling Financial Institutions" : Corrected the description of availability of ATM payment (Number notification system)

# Chapter 2 Interface Details ~ Bank Payment ~

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This chapter provides an explanation about the message (Dto) used in each payment. Fields given in the following table can be used by the merchants.

**Though each message (Dto) may have fields that are not given in the following table, merchants cannot use such fields.**

## 2-1 Common

- The contents of the "Settings" column are as follows:

Request Message ... Mandatory field: ○ Optional field: △ Settings disabled: X Other conditions: \*, \*N (Conditions are given in the description column or outside the column.)

Response Message ... Always returned: ○ Returned only when processing is successful: △ Not returned: X Other conditions: \*

- About orderId (Order ID)

Merchant should assign a (unique) number randomly. The number needs to be assigned for each payment application process. Assign a (unique) ID that is different from other order IDs.

The order ID must be unique across other payment services as well.

The order ID used in the test order cannot be re-used in the live order.

In the order ID, "-" (hyphen) and "\_" (underscore) can also be used besides the single byte alphanumeric characters.

## 2-2 Bank Payment Request

### 2.2.1 Request Message: BankAuthorizeRequestDto

Request Message: BankAuthorizeRequestDto				
Field Name	Item Name	Format and Limitations	Description	Settings
serviceOptionType	Payment service option	Please refer to the description in the right column.	"atm": ATM payment (number notification system) "netbank-pc": Internet banking payment: PC (Bank-link method) "netbank-docomo": Internet banking payment: docomo (Bank-link method) "netbank-softbank": Internet banking payment: SoftBank (Bank-link method) "netbank-au": Internet banking payment: au (Bank-link method)	○
orderId	Order ID	Single byte alphanumeric characters; 100 characters or less	Please refer to the "About orderId (Order ID)" of "2-1 Common".	○
amount	Payment amount	Single byte numbers; 10 digits or less	1 to 2,000,000,000	○
name1	Customer name 1	Double byte; 10 characters or less	Customer name * For details, please refer to "3-1 Bank Payment - List of Permitted Characters".	○
name2	Customer name 2	Double byte; 10 characters or less	Consumer name (Preliminary) * For details, please refer to "3-1 Bank Payment - List of Permitted Characters".	△
kana1	Kana version of customer name 1	Double byte; 10 characters or less	Consumer name (Kana) * For details, please refer to "3-1 Bank Payment - List of Permitted Characters".	○
kana2	Kana version of customer name 2	Double byte; 10 characters or less	Consumer name (Kana) (Preliminary) * For details, please refer to "3-1 Bank Payment - List of Permitted Characters".	△
payLimit	Payment term	Single byte numbers; 8 digits Please refer to the description in the right column.	Payment deadline (in YYYYMMDD format) Payment term can be specified 60 days after transaction date.	○
pushUrl	Push URL	Single byte characters that can be used in URL 256 characters or less	Specify payment notification URL * If this is not specified, the payment notification URL set in "Setting change" of MAP will be use for notification.	△
contents	Billing contents (Kanji)	Double byte; 12 characters or less	Contents are displayed as an information at ATM etc.	○

Request Message: BankAuthorizeRequestDto				
Field Name	Item Name	Format and Limitations	Description	Settings
contentsKana	Billing contents (Kana)	Double byte; 24 characters or less	Contents are displayed as an information at ATM etc.	○
payCsv	Financial institution code	Single byte numbers; 4 digits	Specifies financial institution code to limit the financial institution where consumer can make payment.	△
termUrl	Payment result return URL	Single byte characters that can be used in URL; 128 characters or less	This is a URL for returning redirect to merchant site after the payment completion. It can be set only when netbank payment (bank-link method) is specified for payment service option. However, it can't be specified even for netbank payment (bank-link method) if financial institution code is specified.	△

### 2.2.2 Response Message: BankAuthorizeResponseDto

Response Message: BankAuthorizeResponseDto				
Field Name	Item Name	Format and Limitations	Description	Settings
serviceType	Payment service type	Single byte alphanumeric characters; 10 characters or less	Payment service type sent by request message.	○
mstatus	Process result code	Single byte alphanumeric characters; 32 characters or less	"success" : Normal Termination "failure" : Abnormal Termination "pending" : Pending	○
vResultCode	Detailed result code	Single byte alphanumeric characters; 16 characters or less	Code that represents the process result in detail. It consists of 4 blocks of 4 characters each and each block represents the process result of each service. For details, please refer to the "Result Code List".	○
merrMsg	Error message	String; 300 characters or less	Process result in Japanese or English.	○
marchTxn	Message ID	String; 100 characters or less	ID assigned by payment server per payment process message (including internal process). Multiple IDs are assigned to a single Order ID.	○
orderId	Order ID	String; 100 characters or less	(Unique) order ID assigned randomly and sent by the merchant at the time of payment request.	○
custTxn	ID assigned per transaction	String; 100 characters or less	ID (uniquely) assigned by payment server to link the order (Order ID).	○

Response Message: BankAuthorizeResponseDto						
Field Name	Item Name	Format and Limitations	Description		Settings	
requestId	Request ID	Single byte alphanumeric characters; Symbols; 24 characters or less	This is an optional ID for request. Symbols "@", "-" are included.		△	
shunoKikanNo	Receiving agency number	Single byte alphanumeric characters; 8 characters or less	Number notification method		Returned only when processing is successful.	△
			Bank-link method	Financial institution code is not specified	[Not Returned]	✗
				Financial institution code is specified	Returned only when processing is successful.	△
customerNo	Customer number	Single byte alphanumeric characters; 20 characters or less	Number notification system		Returned only when processing is successful.	△
			Bank-link method	Financial institution code is not specified	[Not Returned]	✗
				Financial institution code is specified	[Not Returned]	✗
confirmNo	Confirmation number	Single byte alphanumeric characters; 6 characters or less	Number notification system		Returned only when processing is successful.	△
			Bank-link method	Financial institution code is not specified	[Not Returned]	✗
				Financial institution code is specified	[Not Returned]	✗
billPattern	Payment pattern	String; 128 characters or less	Number notification system		[Not Returned]	✗
			Bank-link method	Financial institution code is not specified	[Not Returned]	✗
				Financial institution code is specified	Returned only when processing is successful.	△
bill	Payment encryption string	String; 1024 characters or less	Number notification system		[Not Returned]	✗
			Bank-link method	Financial institution code is not specified	[Not Returned]	✗
				Financial institution code is specified	Returned only when processing is successful.	△
url	URL	Single byte alphanumeric characters; 512 characters or less	Number notification system		[Not Returned]	✗
			Bank-link method	Financial institution code is not specified	Returned only when processing is successful. This is a URL to financial institution selection page. (Use GET at the time of connection.)	△

Response Message: BankAuthorizeResponseDto						
Field Name	Item Name	Format and Limitations	Description			Settings
				Financial institution code is specified	Returned only when processing is successful. This is a URL to payment page hosted by financial institution. (Use POST at the time of connection.)	△
view	Page information	String	Number notification system		[Not Returned]	X
			Bank-link method	Financial institution code is not specified	Returned only when "netbank-pc" is specified in serviceOptionType of request message, and processing is successful.	△
				Financial institution code is specified	[Not Returned]	X
txnVersion	MDK version	Single byte alphanumeric characters; 5 characters	Message Version It is not generally used except in the case of a problem.			○

## 2-3 Result Notification (Bank Payment)

Payment server receives payment completion information (Payment made by consumer) from payment center and after verifying that the relevant payment has been received, it sends a payment-received notification to merchant.

\* Result notification will be sent for payment-received transaction.

Please refer to the "Development Guide" for the common specifications of services related to result notification.

### ■ About pushId (Identification ID)

pushId (Identification ID) can be duplicated in result notification of each payment service, so make sure not to set that field to unique key.

No.	Field Name	Item Name	Format and Limitations	Description
1	numberOfNotify	Number of records in notification	Single byte numbers; 4 digits or less	Single notification can contain a maximum of 1,000 records. 1001 onwards records are notified next time.
2	pushTime	Transmission time	Single byte numbers; 14 digits	Time notified from the payment server. In YYYYMMDDhhmmss format.
3	pushId	Identification ID	Single byte numbers; 8 digits	(Unique) ID assigned while performing the push process.
Below mentioned Item numbers (4~11) are repeated for the notification records. Further, 4-digit serial number (0000-0999) is assigned after the field name.				
4	orderId	Order ID	Single byte alphanumeric characters; 100 characters or less	

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No.	Field Name	Item Name	Format and Limitations	Description
5	kikanNo	Receiving agency code	Single byte alphanumeric characters; 8 characters or less	The value may differ from receiving agency code received in payment response.
6	kigyoNo	Receiving company code	Single byte alphanumeric characters; 5 characters or less	
7	rcvDate	Received date and time	Single byte alphanumeric characters; 12 characters or less	Time when payment is made by consumer. In YYYYMMDDhhmm format
8	customerNo	Customer number	Single byte numbers; 20 digits or less	
9	confNo	Confirmation number	Single byte alphanumeric characters; 6 characters or less	
10	rcvAmount	Received Payment amount	Single byte numbers; 10 digits or less	
11	dummy	Dummy payment flag	Single byte numbers; 1 digit	"1" in case of dummy data.

# Chapter 3 Other - Supplementary Items

## 3-1 Bank Payment - List of Permitted Characters

The following shows the range of permitted characters from **JIS basic kanji (JIS X 0208)**, for the following double byte fields of bank payment.

If characters other than mentioned in the range are used, it may get garbled even though the process result is successful.

- Customer name 1 (name1), Customer name 2 (name2), Billing contents (Kanji) (contents)

Character Separator	Contents
Separator 01	Symbols other than Parallel   , Dash —, Minus -, cent ¢, pound £
Separator 02	Symbol other than the NOT SIGN (Negation symbol) ¬
Separator 03~ Separator 08	Various symbol, Hiragana, Katakana, alphabet etc.
Separator 16~ Separator 47	Level 1 Kanji
Separator 48~ Separator 84	Level 2 Kanji

- Customer Name Kana 1 (kana1), Customer Name Kana 2 (kana2), Billing Contents (Kana) (contentskana)

Character Separator	Contents
Separator 01	Brackets ( ) Period. Slash / Square bracket 「 」 Hyphen - Macron —
Separator 03	Numbers and Alphabets
Separator 05	Katakana

## 3-2 About Financial Institutions

- Please refer to the URL below for the list of available financial institutions.

<https://www.veritrans.co.jp/payment/bank/list.html>

- "ATM 決済" column mentioned in the above URL indicates "whether payment at ATM terminal placed at financial institution or convenience store is possible or not" and does not indicate the availability (availability of Pay-easy) of ATM payment (number notification system).

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- When you make payment by selecting ATM payment (number notification system), 3 numbers (“Receiving agency number”, “Customer number”, “Confirmation number”) are returned.  
If you have these numbers, Pay-easy payment can be made from the WEB site of financial institutions (even if there is no "○" in the column of " ATM 決済") except for the following two.
  - (1) SBI Sumishin Net Bank
  - (2) Japan Net Bank
    - ◇ Japan Net Bank offers payment by Pay-easy. Since we do not have contract with them, Pay-easy payment option cannot be used on their web site.
- If you select the above two financial institutions in netbank payment, it is not regarded as Pay-easy payment as they have their own payment system which is different from Pay-easy.  
Therefore, please note that payment cannot be made even if you select “Pay-easy payment” from the WEB site of the financial institution.