PanWorld-Net HTTPs

General Manual

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1. **PWN_HTTPs**
   1. **Introduction**
      1> This guide is HTTP,HTTPs based manual of Credit Card Payment System.
      2> Merchant System -> QueryString -> PWN Server -> QueryString / Page Redirect response -> Merchant System

   2. **System information**
      1> LIVE URL : Https://service.pgmate.com/payment.do
      2> Symbols for Sending & Receiving Transmission
         ◎ : Essential Sending/Receiving Transmission Zone
         ○ : Option Zone
      3> Parameters
         common + each request <-> common + each response

2. Consist of Parameter

1. Common Parameters

	NAME	VALUE (Description)	Request	Response
1	TRN_TYPE	"**T001**" : Credit Card Payment "**T002**" : Cancel payment result "**T003**" : Inquery payment **"T004"** : Card Authentication	◎	◎
2	MERCHANT_ID	ID for Each Merchant	◎	◎
3	MALL_ID	ID for Low Level Merchant Mall	◎	◎
4	SERVICE_TYPE	Connection Route Information for Merchant's Payment Ex) TERMINAL,MOBILE,WEB	◎	◎
5	IP_ADDRESS	Customer's IP Information	◎	◎
6	TRN_DATE	Transaction Date (YYYYMMDDHHMMSS)	◎	◎
7	PAY_NO	Merchant Order Number	◎	◎
8	RES_TYPE	"**TEXT**" : QueryString Format "**REDIRECT**" : Redirect WebPage	◎	◎
9	REDIRECT_URL	RES_TYPE = REDIRECT -> REDIRECT_URL must be transferred REDIRECT_URL support both relative and absolute path.	○	○
10	RESULT_CD	Respond Code regarding Payment Request "0" : Transaction Completed "1" : Transaction Failed "2" : System Error		◎
11	RESULT_MSG	Respond Code regarding Payment		◎
12	TRANSACTION_ID	Transaction Number (Accept Order / Cancel Order)		◎
13	TRN_RES_DATE	Transaction Response Date (YYYYMMDDHHMMSS)		◎
14	MESSAGE	Response Message		◎

2. Credit Card Approval (T001)

	NAME	VALUE (Description	Request	Response
1	CARD_NUMBER	Credit Card Number	◎	◎
2	CARD_EXPIRE	Credit Card Expiration Date (YYMM)	◎	◎
3	CARD_CVV	Credit Card CVV number	○	○
4	CARD_PASSWORD	Pin number	○	○
5	CARD_EXTRA	Extra Parameter except for Credit Card.	○	○
6	PAY_USERID	Merchant Membership ID (en-English)	◎	◎
7	PAY_NAME	Name of Merchant Membership (en quad- English)	◎	◎
8	PAY_TELNO	Member Telephone Number	◎	◎
9	PAY_EMAIL	Member Email Address	◎	◎
10	PRODUCT_TYPE	Type of Product ("0" :Goods "1":Contents)	◎	◎
11	PRODUCT_NAME	Name of Product	◎	◎
12	CUR_TYPE	Currency Type : "USD,JPY,EUR,KRW"	◎	◎
13	AMOUNT	Amount of processing 1> USD,EUR = 1.01$ -> 101 , 1.01€ -> 101 2> KRW,JPY = ₩1000 -> 1000 , ¥1000 -> 1000 3> Only numeral type allowed.	◎	◎
14	DOMAIN	MERCHANT URL	○	○
15	CAVV	Only for 3D SECURE/ 3D SECURE Authentication CAVV(40) +XID(40) + ECI(2)	○	○
16	APPROVAL_NO	Approval Number Only when RESULT_CD = 0		○
Decision Manager Options				
17	FORENAME	First Name	○	
18	SURNAME	Second Name(Given Name)	○	
19	ADDR1	Address 1	○	
20	ADDR2	Address 2	○	
21	CITY	City	○	
22	STATE	State	○	
23	COUNTRY	ISO Country Codes (Please see Appendix at last page)	○	
24	ZIP	Zip Code	○	

REQ
=[TRN_TYPE=T001&MERCHANT_ID=panworld&MALL_ID=panworld&SERVICE_TYPE=WEB&IP_ADDRESS=127.0.0.1&T
RN_DATE=20130523210422&PAY_NO=panworld_20130523210&RES_TYPE=TEXT&CARD_NUMBER=3333xxxxxxxx6666
&CARD_EXPIRE=1001&PAY_USERID=phing&PAY_NAME=phing&PAY_TELNO=01064713730&PAY_EMAIL=phing%40tru
stmate.net1&PRODUCT_TYPE=1&PRODUCT_NAME=TEST+PRODUCT&CUR_TYPE=USD&AMOUNT=100]
RES
=[TRN_TYPE=T001&MERCHANT_ID=panworld&MALL_ID=panworld&SERVICE_TYPE=WEB&IP_ADDRESS=127.0.0.1&T
RN_DATE=20130523210422&PAY_NO=panworld_20130523210&RES_TYPE=TEXT&CARD_NUMBER=3333xxxxxxxx6666
&CARD_EXPIRE=1001&PAY_USERID=phing&PAY_NAME=phing&PAY_TELNO=01064713730&PAY_EMAIL=phing%40tru
stmate.net1&PRODUCT_TYPE=1&PRODUCT_NAME=TEST+PRODUCT&CUR_TYPE=USD&AMOUNT=100&RESULT_CD=
0&RESULT_MSG=0000&TRANSACTION_ID=130523189526&TRN_RES_DATE=20130523210422MESSAGE=&APPROVAL_
NO=210422&]

3. Credit Card Cancelation (T002)

	NAME	VALUE (Description)	Request	Response
1	VOID_TYPE	"1" : Transaction Number "2" : Merchant Order Number	◎	◎
2	RTRANSACTION_ID	Initial Transaction Number VOID_TYPE = 1	◎	◎
3	APPROVAL_DAY	Date to Approve (YYYYMMDD) VOID_TYPE = 2	○	○
4	RAPPROVAL_NO	Initial Transaction Approval Number VOID_TYPE = 2	○	○
5	RPAY_NO	Initial Transaction Order Number VOID_TYPE = 2	○	○
6	AMOUNT	Amount of processing 1> USD,EUR = 1.01$ -> 101 , 1.01€ -> 101 2> KRW,JPY = ₩1000 -> 1000 , ¥1000 -> 1000 3> Only numeral type allowed. VOID_TYPE = 2	○	○
7	APPROVAL_NO	Approval number of cancellation Only when RESULT_CD = 0		○

REQ
**=[TRN_TYPE=T002&MERCHANT_ID=panworld&MALL_ID=panworld&SERVICE_TYPE=WEB&IP_ADDRESS=127.0.0.1&T
RN_DATE=20130523210422&PAY_NO=panworld_20130523211&RES_TYPE=TEXT&VOID_TYPE=1&RTRANSACTION_ID
=130523189526]**

RES
**=[TRN_TYPE=T002&MERCHANT_ID=panworld&MALL_ID=panworld&SERVICE_TYPE=WEB&IP_ADDRESS=127.0.0.1&T
RN_DATE=20130523210422&PAY_NO=panworld_20130523210&RES_TYPE=TEXT&VOID_TYPE=1&RTRANSACTION_ID
=130523189526&RESULT_CD=0&RESULT_MSG=0000&TRANSACTION_ID=130523189526&TRN_RES_DATE=201305232
10422MESSAGE=&APPROVAL_NO=210422&]**

4. Credit Card Transaction Reference (T003)

	NAME	VALUE (Description	Request	Response
1	RPAY_NO	Initial Merchant Order Number	◎	◎
2	APPROVAL_NO	Approval Number Only when RESULT_CD = 0		○

REQ
=[TRN_TYPE=T003&MERCHANT_ID=panworld&MALL_ID=panworld&SERVICE_TYPE=WEB&IP_ADDRESS=127.0.0.1&TRN_DATE=20130523210422&PAY_NO=panworld_20130523212&RES_TYPE=TEXT&RPAY_NO= panworld_20130523210]

RES
=[TRN_TYPE=T003&MERCHANT_ID=panworld&MALL_ID=panworld&SERVICE_TYPE=WEB&IP_ADDRESS=127.0.0.1&TRN_DATE=20130523210422&PAY_NO=panworld_20130523210&RES_TYPE=TEXT&RPAY_NO=&RPAY_NO=panworld_20130523210&RESULT_CD=0&RESULT_MSG=0000&TRANSACTION_ID=130523189526&TRN_RES_DATE=20130523210422MESSAGE=&APPROVAL_NO=210422&]

5. Credit Card Authentication (T004)

	NAME	VALUE (Description	Request	Response
1	**AUTH_TYPE**	Authentication Type A: Card number + Expire date B: Card number + Expire date + CVV C: Card number + Expire date + password	◎	◎
2	**CARD_NUMBER**	Credit Card Number	◎	◎
3	**CARD_EXPIRE**	Credit Card Expiration Date (YYMM)	◎	◎
4	**CARD_CVV**	Credit Card CVV number	○	○
5	**CARD_PASSWORD**	Pin number	○	○
6	**CARD_FILLER**	Extra Parameter except for Authentication	○	○
7	**PAY_NAME**	Name of Merchant Membership (en quad- English)	◎	◎
8	**PAY_TELNO**	Member Telephone Number	◎	◎

REQ
=[TRN_TYPE=T004&MERCHANT_ID=panworld&MALL_ID=panworld&SERVICE_TYPE=WEB&IP_ADDRESS=127.0.0.1&TRN_DATE=20130523210422&PAY_NO=panworld_20130523210&RES_TYPE=TEXT&AUTH_TYPE=A&CARD_NUMBER=3333xxxxxxxx6666&CARD_EXPIRE=1001 &PAY_NAME=phing&PAY_TELNO=01064713730]

RES
=[TRN_TYPE=T004&MERCHANT_ID=panworld&MALL_ID=panworld&SERVICE_TYPE=WEB&IP_ADDRESS=127.0.0.1&TRN_DATE=20130523210422&PAY_NO=panworld_20130523210&RES_TYPE=TEXT&AUTH_TYPE=A&CARD_NUMBER=3333xxxxxxxx6666&CARD_EXPIRE=1001&PAY_NAME=phing&PAY_TELNO=01064713730&RESULT_CD=0&RESULT_MSG=0000&TRANSACTION_ID=130523189526&TRN_RES_DATE=20130523210422MESSAGE=&]

Appendix (ISO Country Code)

AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua and Barbuda
AI	Anguilla
AL	Albania
AM	Armenia
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AX	Aland Islands !?land Islands
AZ	Azerbaijan
BA	Bosnia and Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BL	Saint Barth?lemy
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia, Plurinational State of
BQ	Bonaire, Sint Eustatius and Saba
BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada

CC	Cocos (Keeling) Islands
CD	Congo, the Democratic Republic of the
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Cote d'Ivoire !C?te d'Ivoire
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CU	Cuba
CV	Cape Verde
CW	Cura?ao
CX	Christmas Island
CY	Cyprus
CZ	Czech Republic
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea
ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji
FK	Falkland Islands (Malvinas)
FM	Micronesia, Federated States of
FO	Faroe Islands
FR	France
GA	Gabon
GB	United Kingdom
GD	Grenada

GE	Georgia
GF	French Guiana
GG	Guernsey
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GS	South Georgia and the South Sandwich Islands
GT	Guatemala
GU	Guam
GW	Guinea-Bissau
GY	Guyana
HK	Hong Kong
HM	Heard Island and McDonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IL	Israel
IM	Isle of Man
IN	India
IO	British Indian Ocean Territory
IQ	Iraq
IR	Iran, Islamic Republic of
IS	Iceland
IT	Italy
JE	Jersey
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati

KM	Comoros
KN	Saint Kitts and Nevis
KP	Korea, Democratic People's Republic of
KR	Korea, Republic of
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Lao People's Democratic Republic
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libya
MA	Morocco
MC	Monaco
MD	Moldova, Republic of
ME	Montenegro
MF	Saint Martin (French part)
MG	Madagascar
MH	Marshall Islands
MK	Macedonia, the former Yugoslav Republic of
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Macao
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia

MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	French Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	Saint Pierre and Miquelon
PN	Pitcairn
PR	Puerto Rico
PS	Palestine, State of
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Reunion !R?union
RO	Romania
RS	Serbia
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan
SE	Sweden
SG	Singapore

SH	Saint Helena, Ascension and Tristan da Cunha
SI	Slovenia
SJ	Svalbard and Jan Mayen
SK	Slovakia
SL	Sierra Leone
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
SS	South Sudan
ST	Sao Tome and Principe
SV	El Salvador
SX	Sint Maarten (Dutch part)
SY	Syrian Arab Republic
SZ	Swaziland
TC	Turks and Caicos Islands
TD	Chad
TF	French Southern Territories
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Tokelau
TL	Timor-Leste
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TR	Turkey
TT	Trinidad and Tobago
TV	Tuvalu
TW	Taiwan, Province of China
TZ	Tanzania, United Republic of
UA	Ukraine
UG	Uganda
UM	United States Minor Outlying Islands
US	United States
UY	Uruguay
UZ	Uzbekistan
VA	Holy See (Vatican City State)
VC	Saint Vincent and the Grenadines
VE	Venezuela, Bolivarian Republic of

VG	Virgin Islands, British
VI	Virgin Islands, U.S.
VN	Viet Nam
VU	Vanuatu
WF	Wallis and Futuna
WS	Samoa
YE	Yemen
YT	Mayotte
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe