

Error Codes Dictionary for Interoperable Digital Transaction Platform (IDTP) Pilot Phase

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Acronyms

IDTP	Inter-operable Digital Transaction Platform
ICP	IDTP Client Platform
PIM	Participant Interface Module
API	Application Programming Interface
ATM	Automated Teller Machine
BACH	Bangladesh Automated Clearing House
BB	Bangladesh Bank
BD-RTGS	Bangladesh Real Time Gross Settlement System
BEFTN	Bangladesh Electronic Fund Transfer Network
BIN	Bank Identification Number
CBS	Core Banking System
DC	Data Center
DR	Disaster Recovery
DHCP	Dynamic Host Configuration Protocol
DS	Directory Service
EPG	Electronic Payment Gateway
E-Wallet	Electronic Wallet
FI	Financial Institution
GoB	Government of Bangladesh
HTTPS	Hyper Text Transfer Protocol Secure
ICT	Information and Communication Technology Division, GoB
ICP	IDTP Client Platform
IDTP	Interoperable Digital Transactions Platform system
ISO	International Organization for Standardization
LAN	Local Area Network
MFS	Mobile Financial Services

MFSP	Mobile Financial Services Provider
NDC	Near Data Center
NID	National Identification
OS	Operating System
OTP	One Time Password
PAD	Public Accounts Department
PIN	Personal Identification Number
PSP	Payment Services Provider
RTP	Request to Pay
SDK	Software Development Kit
SSL	Secure Socket Layer
TIN	Taxpayer's Identification Number
TLS	Transport Layer Security
TPS	Transaction Per Second
URL	Uniform Resource Locator
XML	Extensible Markup Language

1. Overview

This guide will illustrate the error definition like error codes, error messages etc. that can be used to develop the APIs at Participant (FI) end. Following is the network interface of IDTP Client Platform at Participant end. From FI perspective, the error codes will need to be defined while responding from PIM Exposed APIs (Category-B) in the following figure:

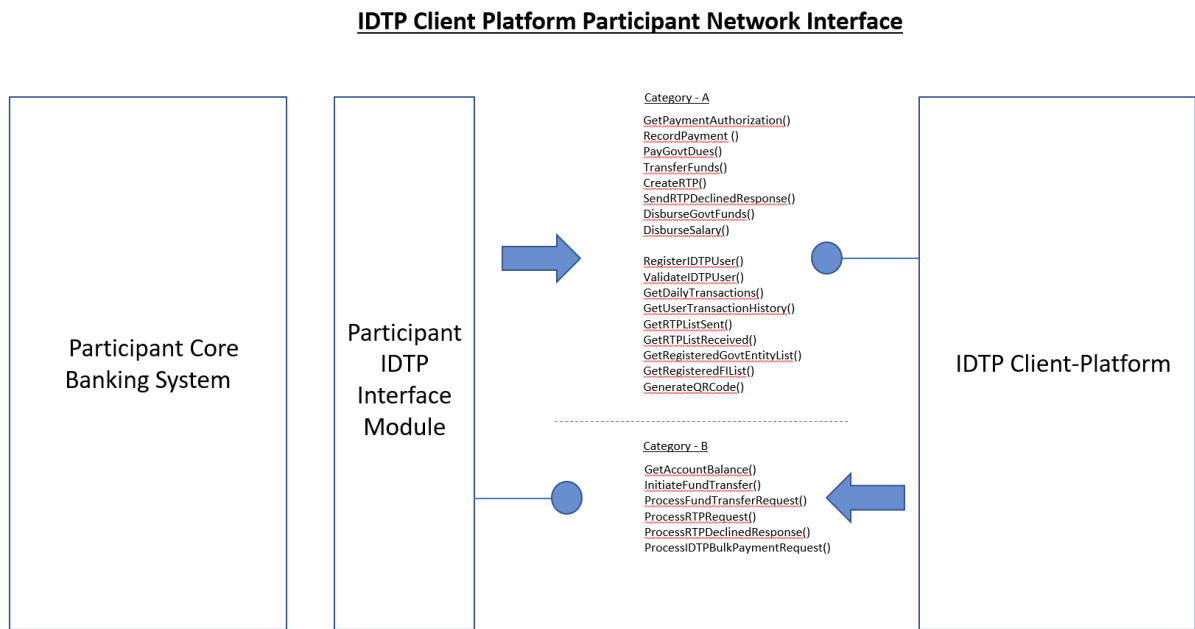


Figure: IDTP Client Platform Participant Network Interface

2. Error Code Definition

SI No	Error Code Range	Error Description
1	90000-90099	Message Security Related Error
2	90100-90199	Message Format Related Error
3	90200-90299	Communication Layer Related Error
4	90300-90399	Sender Related Error
5	90400-90499	Sender FI Related Error
6	90500-90599	Receiver Related Error
7	90600-90699	Receiver FI Related Error
8	90700-90799	IDTP Technical Error
9	90800-90899	IDTP Business Error
10	90900-90999	Miscellaneous Error

1. Message Security Related Error

SI No	Error Code	Error Description
1	90050	Invalid Channel ID
2	90051	Error while decrypting the request
3	90052	Error while encrypting the response
4	90053	Invalid FI Device ID
5	90054	Invalid User IDTP PIN
6	90055	Invalid User Device ID
7	90056	Invalid User Password

2. Message Format Related Error

SI No	Error Code	Error Description
1	90100	Virtual ID already exists
2	90101	Invalid NID
3	90102	Conversion failed due to invalid data format
4	90103	The provided amount is invalid
5	90104	The provided Virtual ID does not exist
6	90105	Payment Note exceeded maximum length of n characters
7	90106	The field {0} is missing
8	90107	Provided Message ID is invalid
9	90108	Transaction Purpose is empty
10	90109	The provided Virtual ID does not exist
11	90110	The provided PIN does not match the required length
12	90111	Transaction amount is invalid
13	90112	Invalid Transaction ID
14	90113	The provided mobile number is invalid
15	90114	The provided NID is invalid
16	90115	The User info is invalid
17	90116	The provided TIN is invalid
18	90117	The provided BIN is invalid
19	90118	The provided Postal Code is invalid
20	90119	The provided SwiftCode is invalid
21	90120	The provided Virtual ID is invalid
22	90121	The provided Parent Virtual ID is invalid
23	90122	The provided Contact Virtual ID is invalid
24	90123	This Account Number already exists
25	90124	Invalid Virtual ID
26	90125	Invalid Financial Institution
27	90126	The provided request XML was invalid
28	90127	This FI does not exist
29	90128	The entity could not be identified due to having invalid Virtual ID format
30	90129	User already exists, the account is added as new account for this user
31	90130	Invalid Date Format

32	90131	Invalid Amount
33	90132	Invalid Request Type provided

3. Communication Layer Related Error

SI No	Error Code	Error Description
1	90200	The sender FI rejected the transaction
2	90201	The receiver FI rejected the transaction
3	90202	Invalid Sender FI
4	90203	Invalid Receiver FI
5	90204	Error fetching bill details from the requested Entity
6	90205	Sending FI request timed out
7	90206	Sending FI request retry failed
8	90207	Sending FI clock not synchronized
9	90208	Receiving FI request timed out
10	90209	Receiving FI request retry failed
11	90210	Receiving FI clock not synchronized

4. Sender Related Error

SI No	Error Code	Error Description
1	90300	The sender is restricted
2	90301	Sender Daily Sending Limit Exceeded
3	90302	Sender Monthly Sending Limit Exceeded
4	90303	The Sender VID is invalid
5	90304	Sender balance exceeded
6	90305	Sender Account is invalid
7	90306	Sender Account is inactive
8	90307	Sender blocked

5. Sender FI Related Error

SI No	Error Code	Error Description
1	90400	Sending FI debit cap not set
2	90401	Sending FI debit cap exceeded
3	90402	User account mapping missing in the FI
4	90403	No such account exist in the FI
5	90404	Duplicate Sender FI Reference Number
6	90405	Sender FI Settlement Account blocked

6. Receiver Related Error

SI No	Error Code	Error Description
1	90500	The receiver is restricted
2	90501	Receiver Daily Receiving Limit Exceeded
3	90502	Receiver Monthly Receiving Limit Exceeded
4	90503	The Receiver VID is invalid
5	90504	Receiver Account is invalid
6	90505	Receiver Account is inactive
7	90506	Receiver blocked

7. Receiver FI Related Error

SI No	Error Code	Error Description
1	90600	User account mapping missing in the FI
2	90601	No such account exist in the FI
3	90602	Duplicate Receiver FI Reference Number
4	90603	Receiver FI Settlement Account blocked

8. IDTP Technical Error

SI No	Error Code	Error Description
1	90700	Request timed out
2	90701	Request retry failed
3	90702	An error occurred while processing the request
4	90703	IDTP Server connectivity error
5	90704	IDTP Server is under deployment

9. IDTP Business Error

SI No	Error Code	Error Description
1	90800	Receiving account and sending account can not be same account
2	90801	Per Transaction Limit Exceeded
3	90802	You cannot do any transaction without validating your Password, IDTP PIN for the first time
4	90803	Registration failed
5	90804	Registration failed for one or more user(s)
6	90805	No Fee Defined for this Transaction Type
7	90806	Disbursement failed for one or more receiver(s)
8	90807	Add Contact failed for one or more User(s)
9	90808	IDTP Server is under maintenance

10. Miscellaneous Error

Sl No	Error Code	Error Description
1	90900	Invalid Request
2	90901	Invalid Participant
3	90902	Internal Server Error
4	90903	Regulatory Reason
5	90904	Fraud Behavior Detected
6	90905	Automated Program Run Detected