Error Codes Dictionary for

Interoperable Digital Transaction Platform (IDTP) Pilot Phase

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Document Change History

Version	Date	Modifications	Author
1.0	Nov 15, 2020	Initial Version	Orion Informatics Ltd
2.0	Dec 28, 2020	Updated with new error details	Orion Informatics Ltd
3.0	Jan 07, 2021	Corrected codes, duplicates or unused ones removed	Orion Informatics Ltd

Table of Contents

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 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:

IDTP Client Platform Participant Network Interface

Figure: IDTP Client Platform Participant Network Interface

2. Error Codes Definition

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

1. Message Security Related Errors

Sl No	Error Code	Error Description
1	90050	Invalid Digital Signature
2	90051	Invalid FI ICP Device ID
3	90052	Error while Decrypting the Request
4	90053	Error while Encrypting the Response
5	90054	Invalid User IDTP PIN
6	90055	Invalid User Device ID
7	90056	Invalid User Password

2. Message Format Related Errors

Sl No	Error Code	Error Description
1	90100	Message Length Exceeded
2	90101	Invalid NID format
3	90102	Invalid Date format
4	90103	Payment Note exceeded maximum length of n characters
5	90104	Missing XML element <element name>
6	90105	Invalid Message ID
7	90106	Missing Bill Reference No
8	90107	Invalid PIN length
9	90108	Invalid Transaction amount
10	90109	Invalid Transaction ID
11	90110	Invalid Mobile number
12	90111	Invalid User Type
13	90112	Invalid TIN
14	90113	Invalid BIN
15	90114	Invalid Postal Code
16	90115	Invalid SwiftCode
17	90116	Invalid Virtual ID
18	90117	Invalid Date of Birth
19	90118	Invalid Date of Incorporation
20	90119	Invalid Account No
21	90120	Invalid Contact Virtual ID
22	90121	Invalid Financial Institution
23	90122	Invalid App Password
24	90123	Invalid FI Branch ID
25	90124	Duplicate Sender Reference No in Txn
26	90125	Duplicate Receiver Reference No in Txn
27	90126	Invalid Reference Type provided for getting Txn Status

3. Communication Layer Related Errors

Sl No	Error Code	Error Description
1	90200	Error fetching Bill details
2	90201	Sending FI request timed out
3	90202	Sending FI request retry failed
4	90203	Sending FI clock not synchronized
5	90204	Receiving FI request timed out
6	90205	Receiving FI request retry failed
7	90206	Receiving FI clock not synchronized

4. Sender Related Errors

Sl No	Error Code	Error Description
1	90300	Invalid Sender VID
2	90301	Invalid Sender Account
3	90302	Inactive Sender Account
4	90303	Sender Virtual ID is Restricted
5	90304	Sender Device is Restricted
6	90305	Sender Daily Limit Exceeded
7	90306	Sender Monthly Limit Exceeded
8	90307	Sender Account does not Exist
9	90308	Sender Account Balance exceeded
10	90309	Sender Account Blocked

5. Sender FI Related Errors

Sl No	Error Code	Error Description
1	90400	Invalid Sender FI
2	90401	Sending FI Net Debit Cap not set
3	90402	Sending FI Net Debit Cap exceeded
4	90403	Duplicate Sender FI Reference Number
5	90404	Sender FI Settlement Account blocked

6. Receiver Related Errors

Sl No	Error Code	Error Description
1	90500	Invalid Receiver VID
2	90501	Invalid Receiver Account
3	90502	Inactive Receiver Account
4	90503	Receiver Virtual ID is Restricted
5	90504	Receiver Device is Restricted
6	90505	Receiver Daily Limit Exceeded
7	90506	Receiver Monthly Limit Exceeded

8	90507	Receiver Account does not Exist
9	90508	Receiver Account Balance exceeded
10	90509	Receiver Account Blocked

7. Receiver FI Related Errors

Sl No	Error Code	Error Description
1	90600	Invalid Receiver FI
2	90601	Receiving FI Net Debit Cap not set
3	90602	Receiving FI Net Debit Cap exceeded
4	90603	Duplicate Receiver FI Reference Number
5	90604	Receiver FI Settlement Account blocked

8. IDTP Technical Errors

Sl No	Error Code	Error Description
1	90700	Request timed out
2	90701	Request Retry failed
3	90702	An error occurred while processing Request
4	90703	IDTP Server Connectivity error
5	90704	IDTP Server is Under Maintenance

9. IDTP Functional Errors

Sl No	Error Code	Error Description
1	90800	Receiving Account and Sending Cccount can not be same
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)

10. Miscellaneous Errors

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