# Customer Onboarding Message in FIX format:

Message structure of the Customer Onboarding message in FIX format is as Table 1.

Table 1: Customer Onboarding Message in FIX format

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tag | Field Name | Mandatory (M) / Optional (O) | Data Type | Max Size | Description |
| Standard Header | | | | | Message Type: 35 = C |
| 1011 | Customer Ref No | O | String | 20 | Customer Reference No. as assigned by FX-Retail System.  **Example:** CRR/IN/000001 |
| 20022 | Bank Name | M | String | 100 | Indicates the name of the Bank.  **Example**: HDFC BANK LIMITED |
| 1013 | Customer/Entity Name | O | String | 100 | Indicates the name of the Customer.  **Example**: Ram kumar |
| 1026 | Customer ID | M | String | 50 | Indicates the ID of the customer  **Example**: IN54PS000003 |
| 1012 | Customer Type | O | String | 255 | Indicates the type of customer.  **Example**: INDIVIDUAL (RESIDENT) |
| 1008 | Home Branch IFSC | O | String | 100 | Indicates the Home branch IFSC code of the customer.  **Example**: HDFC0000001 |
| 1022 | Bank Account No. | O | String | 30 | Indicates the Account number of the customer.  **Example**: 620062615445 |
| 1005 | PAN No. | M | String | 30 | Indicates the PAN number of the customer.  **Example**: ADFOA4091A |
| 1027 | Source | M | String | 25 | Indicates the Source through which the customer is on-boarded.  If customer is on-boarded through NPCI, this field should be **Bharat Connect**  If through FXRetail application, this field should be **FX-Retail**. |
| 1006 | Auth. Email | M | String | 100 | Indicates the Email of the customer.  **Example**: someone@hotmail.com |
| 1007 | Auth. Mobile | M | String | 15 | Indicates the mobile number of the customer.  **Example**: 8881234567 |

### Sample Message:

8=FIX.4.4 9=383 35=8 49=CCIL 56=CUST 34=5 52=20220106-10:41:04.156 1011=CRR/IN/000001 20022=HDFC BANK LIMITED 1013=Ram Kumar 1026=IN54PS000003 1012=INDIVIDUAL (RESIDENT) 1008=HDFC0000001 1022=620062615445 1005=ADFOA4091A 1027=Bharat Connect [1006=someone@hotmail.com](mailto:1006=someone@hotmail.com) 1007=8881234567 10=201

## Standard Header

The following tags form the header part of all the messages exchanged between the FX-Clear Drop Copy Gateway Server and Member’s Drop Copy Gateway Client. All messages should start with standard header block.

Table 2: Standard Message Header Details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tag | Field Name | Mandatory (M) / Optional (O) | Data Type | Max Size | Description |
| 8 | BeginString | M | String | 7 | Identifies beginning of new message and protocol version. Always **first** field in a FIX message.   |  |  | | --- | --- | | Valid Values | Meaning | | FIX.4.4 | FIX Protocol Version no. that is used in the application | |
| 9 | BodyLength | M | Integer |  | Indicates message length.  Always **second** field in a FIX message. |
| 35 | MsgType | M | String | 5 | Identifies message type.  Always **third** field in a FIX message.  Refer [Table 1](#_List_of_Supported) for list of supported messages. |
| 49 | SenderCompId | M | String | 4 | Used to identify entity sending message.  For members, to be assigned by CCIL and when FX Clear is the sending entity the code will be CCIL. |
| 56 | TargetCompId | M | String | 4 | Used to identify entity receiving message.  For members, to be assigned by CCIL Eg HDFC, JPBY |
| 57 | TargetSubId | O | String | 5 |  |
| 34 | MsgSeqNum | M | Integer |  | Message Sequence number |
| 43 | PossDupFlag | O | Boolean |  | Indicates possible retransmission of a message with this sequence number.  **Always required for retransmitted messages**, as the result of a resend request.   |  |  | | --- | --- | | Valid Values | Meaning | | N | Original transmission | | Y | Possible duplicate | |
| 122 | OrigSendingTime | O | String | 21 | Original time of message transmission (always expressed in GMT) when transmitting orders as the result of a resend request and will be present in re-transmitted messages. The value in OrigSendingTime tag will be the time when the data was initially transmitted.  Format: YYYYMMDD-HH:MM:SS.nnn |
| 52 | SendingTime | M | String | 21 | Time of message transmission.  Format: YYYYMMDD-HH:MM:SS.nnn |

**Note:**The value for PossDupFlag<43> tag if absent should be considered as ‘N’ (i.e. original transmission).

## Standard Message Trailer

The following tag form the trailer section of any message exchanged between FX-Clear Drop Copy Gateway Server and Member’s Drop Copy Gateway Client. All messages should have the following tag as the last tag of the message.

Table 3: Standard Message Trailer Details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tag | Field Name | Mandatory (M) / Optional (O) | Data Type | Max Size | Description |
| 10 | CheckSum | M | String | 3 | Three byte, simple checksum  Always **last** field in message; i.e. serves, with the trailing, as the end-of-message delimiter. Always defined as three characters. |