

# User Management API

**Version 1.17**

(Technical Specifications for interfacing with ODIN™ for Retail User Management)



**63 moons technologies limited**  
**(formerly Financial Technologies (India) Ltd.)**

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# 1 Change History

Date	Message	Change Carried out	Doc Version
16/06/2017	API Document Creation	Initial Draft	Version 1.0
14/07/2017	API document revised.	<p>In 3.3 Service request URL updated.</p> <p>In 4.1:- TAG-400 Removed from Reserved Dealer Logon Request.</p> <p>In 4.5:- Product allowed ID for TAG-223 updated.</p> <p>In 4.5:- TAG-228 for General Setting Template Introduced.</p> <p>In 4.5:- Checksum Tag number changed to TAG-999.</p> <p>In 4.5:- Example for string to be passed for generating check sum.</p> <p>In 4.5.3:- List of Exchange table updated.</p> <p>In 4.6:- Tag-227 appended in response.</p> <p>In 4.7:- New method to update PG limit introduced.</p> <p>In 4.8:- New method for PG limits response introduced.</p>	Version 1.1
10/08/2017	<p>Section 4.5 (Create Retail User Request) updated for Tag 214 Mobile no made optional Tag 216 Email id made optional Tag 220,221 &amp;222 String Max length restricted up to 100 characters Tag 219 - Surveillance Auto or Manual description updated. Tag-226 – Field length updated. Tag-227 – Field length updated.</p> <p>Section 4.7 (Update PG Limits Request) updated for Tag 251 Amount (Max value of transaction should not exceed Rs. 2 crores) Section 4.5 (Create Retail User Request) Note Added for Default template addition by service</p>	<p>Section 4.5 (Create Retail User Request) updated for Tag 214 Mobile no made optional Tag 216 Email id made optional Tag 220,221 &amp;222 String Max length restricted up to 100 characters Tag 219 - Surveillance Auto or Manual description updated. Tag-226 – Field length updated. Tag-227 – Field length updated.</p> <p>Section 4.7 (Update PG Limits Request) updated for Tag 251 Amount (Max value of transaction should not exceed Rs. 2 crores) Section 4.5 (Create Retail User Request) Note Added for Default template addition by service</p>	Version 1.2
22/08/2017	Section (Create Retail User Request) updated for	Section (Create Retail User Request) updated for Introduction of following new Tag's.	Version 1.3

	<p>Introduction of following new Tag's.                  TAG 229- First Holder DOB                  TAG 230- Odin User Type                  TAG 231- Product Allowed                  TAG 232-MF UCC Details                  TAG-233-Gender                  TAG-234-Client Type                  TAG-235-Tax Status                  TAG-236-Occupation                  TAG-237-Form60</p> <p>Under Sec (Bank details Data- Bank Customer Id Field length updated.)</p> <p>Under Create Retail User Response (Additional error message updated for Tag-19)</p> <p>Demat Details Data (Holding Type Description updated )</p> <p>Tag-214 – Field length updated.                  Tag-215 – Field length updated.                  Tag-216 – Field length updated.</p> <p>Field length updated for Bank Customer Id under Bank Details Data table.</p>	<p>TAG 229- First Holder DOB                  TAG 230- Odin User Type                  TAG 231- Product Allowed                  TAG 232-MF UCC Details                  TAG-233-Gender                  TAG-234-Client Type                  TAG-235-Tax Status                  TAG-236-Occupation                  TAG-237-Form60</p> <p>Under Sec (Bank details Data- Bank Customer Id Field length updated.)</p> <p>Under Create Retail User Response (Additional error message updated for Tag-19)</p> <p>Demat Details Data (Holding Type Description updated )</p> <p>Tag-214 – Field length updated.                  Tag-215 – Field length updated.                  Tag-216 – Field length updated.</p> <p>Field length updated for Bank Customer Id under Bank Details Data table.</p>	
<p>09/11/2017</p>	<p><b>Introduction of following additional methods.</b>                  Section 4.9 (Update User Template)                  Section 4.10 (Update QVL Template)                  Section 4.11 (Dealer to Client Mapping)</p> <p>Additional support provided for converting Non-ODIN user to ODIN User through the same method of create Retail User Request under Section 4.5).                  Note Added for converting Non-Odin user to ODIN use under notes section.</p> <p>Note added for TAG-208- user category.</p>	<p><b>Introduction of following additional methods.</b>                  Section 4.9 (Update User Template)                  Section 4.10 (Update QVL Template)                  Section 4.11 (Dealer to Client Mapping)</p> <p>Additional support provided for converting Non-ODIN user to ODIN User through the same method of create Retail User Request under Section 4.5).                  Note Added for converting Non-Odin user to ODIN use under notes section.</p> <p>Note added for TAG-208- user category.</p> <p>Note added for Avoidable Special character across API.</p>	<p>Version 1.4</p>

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	Note-3 added for Avoidable Special character across API.		
06/12/2017	Introduction of new method to get Funds View Summary & Get Periodicity list.	Introduction of new method to get Funds View Summary & Get Periodicity list.	Version 1.5
02/04/2018	<p>Changes in Create Retail User Method (Section 4.5) and Introduction of following new Tag's: -</p> <p>TAG 218 Additional user Status as <b>Inactive</b> added. TAG-233- Gender as '<b>NA</b>' added TAG-232- MF UCC support for 2nd, 3rd &amp; Nominee details provided and filed length increased. TAG 238- Incorporation Date (New Tag) TAG 239- Father/Husband Name (New Tag)</p> <p>Introduction of New Method to modify existing user. (Section 4.16)</p> <p>Introduction of New Method to update user's SI/MCT Template. (Section 4.18)</p>	<p>Changes in Create Retail User Method (Section 4.5) and Introduction of following new Tag's: -</p> <p>TAG 218 Additional user Status as Inactive added. TAG-233- Gender as 'NA' added TAG-232- MF UCC support for 2nd, 3rd &amp; Nominee details provided and filed length increased. TAG 238- Incorporation Date (New Tag) TAG 239- Father/Husband Name (New Tag)</p> <p>Introduction of New Method to modify existing user. (Section 4.16)</p> <p>Introduction of New Method to update user's SI/MCT Template. (Section 4.18)</p>	Version 1.6
14/03/2018	New Method of Auto Square off Setting Request and Response added	New Method of Auto Square off Setting Request and Response added	Version 1.7
26/11/2019	New key introduced for password encryption logic to support JAVA technologies (Section 3.4)	New key introduced for password encryption to support JAVA technologies (Section 3.4)	Version 1.8
05/02/2020	<p>NSE Commodity, BSE Commodity, ICEX and MF Added (Section 4.5.3)</p> <p>For tag 223 in create Retail user request, Aero and Wave login type added and old non supported products removed (Section 4.5)</p>	<p>NSE Commodity, BSE Commodity, ICEX and MF Added (Section 4.5.3)</p> <p>For tag 223 in create Retail user request, Aero and Wave login type added and old non supported products removed (Section 4.5)</p>	Version 1.9
17/03/2020	<p>In Create Retail User request, Global flag, Max Broadcast Count, No. of Orders per Seconds, Branch Name added (section 4.5)</p> <p>In Create Retail User request, After successful</p>	<p>In Create Retail User request, Global flag, Max Broadcast Count, No. of Orders per Seconds, Branch Name added (section 4.5)</p> <p>In Create Retail User request, After successful user creation, Default Scrip</p>	Version 1.10

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	<p>user creation, Default Scrip Basket Template and Brokerage Template shall be applied (section 4.5)</p> <p>In update User Template API, Scrip Basket Template and Brokerage Template is supported (Section 4.9)</p> <p>In Funds view Summary Response API, a new field as Exposure Margin Will come with exposure margin value (section 4.13)</p>	<p>Basket Template and Brokerage Template shall be applied (section 4.5)</p> <p>In update User Template API, Scrip Basket Template and Brokerage Template is supported (Section 4.9)</p> <p>In Funds view Summary Response API, a new field as Exposure Margin Will come with exposure margin value (section 4.13)</p>	
20/05/2020	<p>In Create Retail User request, Entry for POA flag is added (Section 4.5)</p> <p>In Update Retail User request, Entry for POA flag is added. (Section 4.16)</p>	<p>In Create Retail User request, Entry for POA flag is added (Section 4.5)</p> <p>In Update Retail User request, Entry for POA flag is added. (Section 4.16)</p>	Version 1.11
01/02/2021	New Method for Funds View added (Section 4.22)	New Method for Funds View added (Section 4.22)	Version 1.12
06/07/2021	New Method for Stock View added (Section 4.24).	New Method for Stock View added (Section 4.24).	Version 1.13
06/07/2021	Section 4.7 Update PG Limits Request, added provision to allow amount > 2CR and Transaction Ref. No. up to 50 characters.	Section 4.7 Update PG Limits Request, description updated for Amount (Tag 251) to allow value up to 99999999999.99 and Transaction Ref. No. length increased to 50 characters.	Version 1.14
06/07/2021	Section 4.7 Update PG Limits Request, added provision to update amount in Manual Collateral.	Section 4.7 Update PG Limits Request, description updated of Message Type field to update amount in Manual Collateral.	Version 1.15
24/03/2022	<p>Section 4.5 &amp; 4.26 Product allowed ID for TAG-231 updated for 3 in 1 Account flag.</p> <p>Section 4.10 Update QVL Template Exchange Code list &amp; Section 4.5.3 List of Exchanges and Market segment IDs updated for NSE &amp; BSE SLBM exchanges.</p>	<p>Section 4.5 &amp; 4.26 Product allowed ID for TAG-231 updated for 3 in 1 Account flag.</p> <p>Section 4.10 Update QVL Template Exchange Code list &amp; Section 4.5.3 List of Exchanges and Market segment IDs updated for NSE &amp; BSE SLBM exchanges.</p>	Version 1.15.1
19/07/2022	Reserved PG Dealer Id length change from 15 to 10.	Reserved PG Dealer Id string (10) Earlier it was 15.	1.15.2

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24/08/2022	Login Type details updated in 4.16	Login Type details updated in 4.16. Table updated	1.15.3
05/05/2023	<p>Added EDIS Approved Quantity Update request &amp; response.</p> <p>Added Pledge Approved Quantity Update request &amp; response.</p> <p>Added Alternate address request &amp; response.</p> <p>Tag 247 - Max GTD Allowed And Tag 248 - Product Type added</p>	<p>Section 4.26 &amp; 4.27 added for EDIS Approved Quantity Update request &amp; response.</p> <p>Section 4.28 &amp; 4.29 added for Pledge Approved Quantity Update request &amp; response.</p> <p>Section 4.30 &amp; 4.31 added for Alternate address request &amp; response.</p> <p>Tag 247 - Max GTD Allowed And Tag 248 - Product Type added in Create Retail User Request 4.5 and Update Retail userrequest 4.16</p>	Version 1.16
12/05/2023	<p>Added Participant Code Request and response.</p> <p>In Update PG Limit, Tag 246 – Notional deposit added.</p>	<p>Section 4.32 &amp; 4.33 Added Participant Code Request and response.</p> <p>Tag 246 – Notional deposit added in Update PG Limit</p>	Version 1.17
12/07/2023	In Update PG Limit, Tag 251 – Amount column made optional.	<p>Section 4.7 Update PG Limit</p> <p>Tag 251 – Amount column made optional.</p>	Version 1.17

## **2 Introduction**

### **2.1 Preface**

This document describes the interface message to be used to with the ODIN™ Trading engine using a web based or a client application to create Web Retail Users in ODIN & WebAdmin.

### **2.2 Restriction on use and Disclosure of information and Data**

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## 3 API Specification

### 3.1 Components Involved

- NetNetServiceExe
- WCF REST Service
- ODIN Manager

### 3.2 Briefing on the Components

NetNetServiceExe is the same component which is used for Limit updation in ODIN. And the new WCF REST Service is used to send the user creation/modification packets to NetNetServiceExe.

### 3.3 Calling the WCF REST Service

Below is the code snippet for calling the WCF REST Service from client end. Client needs to add a Service Reference of this service in the project and add the below mentioned url in the service reference. On adding this reference, user management service methods will be exposed. Below is an example for calling the User Creation method. Pass the UserData string to this method as name value tag and pipe separated. This method in turn will provide a string response which will be name value tag and pipe separated.

URL to be added in the client configuration:

[http://<server\\_ip>/UserCreation.svc/soap](http://<server_ip>/UserCreation.svc/soap)

```
private void CallRetailUserCreationService()
{
    try
    {
        UserCreation.UserCreationClient objUserCreate = new UserCreation.UserCreationClient();
        string strResponse =
objUserCreate.CreateRetailUser("63=FT1.0|64=301|1=WEBUSER1|2=HO|3=");
    }
    catch(Exception ex)
    {
    }
}
```

Further in this document more clarity has been provided on the entire Request string to be passed and the Response string.

### 3.4 Password Encryption Logic:-

Password Encryption Logic: AES Encryption

Password Encryption Key: ftUC@123

Password Encryption Key-2: @63MOONS1FTODIN9

**Note: If Client Used JAVA Technology then they have to use Key-2 to encrypt Password and set Value as KEY2 in tbl\_ApplicationConfig table (ParamName:USERCREATION\_THRU\_API\_ENCRYPTKEY).**

### 3.5 Checksum Logic:-

```
public static String GenerateChecksum(char[] buf, long bufLen)
{
    try
    {
        char[] tmpBuf = new char[4];
        long idx;
        uint cks;

        for (idx = 0L, cks = 0; idx < bufLen; cks += (uint)buf[idx++]) ;
        cks = (uint)cks % 256;
        return cks.ToString("d3");
    }
    catch (Exception ex)
    {
    }
    return "ERROR";
}
```

#### Code to generate the checksum logic

```
char[] arr = strRequestString.ToCharArray();
long length = arr.Length;
strRetValue = GenerateChecksum(arr, length);
```

### 3.6 Assumptions

The mapping of respective General Settings Template mapping to the Manager IP should exist in WebAdmin as we follow for User Migration process. This will ease the process of user creation, as Single Interface Template mapping, Communication mode, 2FA & eBuzz Channel mapping will be done directly through this. Also this will minimize the parameters that need to be sent to the Service.

## 4 WCF REST Service Methods

### 4.1 Reserved Dealer Logon Request (Client to WCF REST Service)

This message is sent by the Client for establishing a session with the WebAdmin. Then WebAdmin will authenticate the user by validating the logon message and respond with a logon response message.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 101
67	User Id	Y	String (10)	Reserved PG Dealer Id
68	Password	Y	String	Condition: Password in decrypted form should be between 6 and 12 characters Password should be alphanumeric
69	NewPassword	O	String	This field should be entered only when the User wishes to change the password or if the password has expired. Otherwise this field should be blank. New Password should be between 6 and 12 characters Password should be alphanumeric, allowed special characters are <>.:;~!@#\$\$%^*()+-~\ /[]
51	ConnectionType	Y	Short	Fixed value - 4
391	LOGONTRANSACTIONID	Y		UserId + “_”+ DateTime.Now.ToString("ddMMyyH Hmss");
395	Client IP Address	Y	string	Client IP Address

E.g.:

63=FT1.0|64=101|67=RESERVEDPG|68=Pwd|51=4|391=RESERVEDPG-150917140515|395=127.0.0.1

**Note:** When new password is passed along with the structure, then the same will be treated equivalent to a “Change Password” request along with the session login i.e. the session will be active with the new password.

### 4.2 Reserved Dealer Logon Response (WCF REST Service to Client)

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value 102
70	Logon Status	Y	Value to identify the logon status.
97	Days to Expire	O	No. of days for expire. This will be populated within 15 days of expiry of the

			account. In this case, the logon status will be 10004.
4	Session Id	Y	Unique id generated by the system for each session
19	Logon Message	O	Logon error message
326	Last Logon Time	O	Last Logon Time
66	Message Time	O	Message Time
300	Group Id	O	Group Id

**Remarks:**

Logon status value is as follows:

<b>Logon Status Value</b>	<b>Description</b>	<b>Success /Failure</b>	<b>Comments</b>
10000	Valid user code / password (with all valid status)	Success	Either 10000 or 10004 would be received based on system configuration
10001	Invalid User Code	Failure	
10002	Valid user code but Invalid password	Failure	
10003	Valid user code and password but the account is locked	Failure	
10004	Valid user code/password but with password expiry days warning	Success	Either 10000 or 10004 would be received based on system configuration
10005	Invalid password and locked due to failed attempt	Failure	
10006	New Password Changed Successfully	Success	Password will also be changed.
10007	Password expired, force to change the password	Failure	Change password needs to be handled on this message
10008	User already Logged In	Failure	This indicates that the user is already logged from one of the front ends.
10009	Password validation Failed	Failure	
10010	Invalid License	Failure	
10011	Invalid Connection Type	Failure	
10012	Invalid Mobile No.	Failure	
10013	New password same as Last changed password.	Failure	
10014	RMS Message Fail.	Failure	
10015	Invalid Purge value.	Failure	

10016	User suspended.	Failure	
10017	User deleted.	Failure	
0	Failed to login. Please try after some time. If the problem persists, contact the broker	Failure	Application exception occurred while user login
1	No response from the server	Failure	Odin Connect application is down or is not able to read the login message queue
2	Invalid parameter length	Failure	Logon message when Client ID/Password/Group ID length exceeds permissible limit
3	Exchanges not allowed for the user	Failure	Logon message when none of the Exchanges are allowed to the user
4	Trading not allowed for the user	Failure	Logon message when Trading is not allowed to the user
5	Invalid Login mode	Failure	Logon message when Login mode is invalid
10028	Server license error for INETNET_API. Please contact Administrator	Failure	Logon message when Server license not available for INETNET_API

**Note:** The logon response can contain one or more of the above messages. The messages will be received as a string in the following format:

E.g.:

63=FT1.0|64=102|70=10000|19=Logon

Success|4=0x01C6694EA406031D48B2AA88FB8CCA|97=92|300=|326=Jun 15 2017 05:24PM

**Note:** If valid user code but Invalid password then appropriate message with failure attempts are returned.

E.g.:

63=FT1.0|64=102|70=10002|19=Incorrect Client ID or Password. Attempt 1 of 3|4=|97=-

1|300=|326=Jun 15 2017 05:24PM

**4.3 Reserved Dealer Logoff Request (Client to WCF REST Service)**

Logoff request message is sent to system for normal termination. In case of the logoff request, the session id value must be same as the logon response session id value.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 108
67	User Id	Y	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value

E.g.:

63=FT1.0|64=108|67=RESERVEDPG|4=0x01C6694EA406031D48B2AA88FB8CCA

**4.4 Reserved Dealer Logoff Response (WCF REST Service to Client)**

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value 109
19	Logoff Message	O	Logoff Message

E.g.:

63=FT1.0|64=109|19=Message

#### 4.5 Create Retail User Request (Client to WCF REST Service)

This message is sent by the Client to the WCF REST Service for creating a Web Retail User in ODIN and WebAdmin. The Service will validate the request based on the parameters sent and upon successful creation of user will send the response back in xml format. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 301
67	Reserved PG Dealer Id	Y	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	New Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
203	Manager Id	Y	String (50)	This field will determine on which ODIN Manager this user needs to be created. This value should match the one in the ODIN Manager Settings screen in WebAdmin under Configuration->Odin Manager Settings->Manager IP. (Manager Id can be Manager IP or DNS saved in Manager IP field)  <b>Note:</b> - While creating a non-Odin user then Manager ID can be kept as Optional field.
204	Family Id	O	String (10)	Family Id of the user
205	Parent Id	O	String (10)	Parent Id of the user
206	Name	Y	String (40)	First & Last Name of the user separated by space
207	Password	O	String (24)	Password of the user. This will be encrypted text. Encryption to be done using AES Encryption. Password in decrypted form should be between 6 and 12 characters Password should be alphanumeric, allowed special characters are <>.:;~!@#\$\$%^*()+-~\ /[]
208	User Category	Y	Short	Category Id of the user 2 – Retail User 4 – Web Retail User 3 – Institutional User 5 – Institutional Web User

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				Note: - In case of Non-Odin user system shall ignore values passed in this tag. However, while sending request it is mandatory to pass appropriate ODIN user category as mentioned in above list.
209	Address Line 1	O	String (40)	Address Line 1
210	Address Line 2	O	String (40)	Address Line 2
211	City	O	String (40)	City
212	Pin code	O	String (6)	Pin code
213	Telephone No	O	String (20)	Telephone No
214	Mobile No	O	String (14)	Mobile No
215	Fax No	O	String (20)	Fax No
216	Email Id	O	String (39)	Email Id
217	Pan Card	O	String (10)	Pan Card
218	User Status	Y	Char (1)	User Status A – Active S – Suspended I-Inactive
219	Surveillance Auto or Manual	O	Short	0 – Auto 1 – Manual
220	<a href="#">Trading Allowed</a>	Y	String (100)	Trading Allowed segments to be assigned to the user. In this pass the Segment Ids comma separated.  <b>Note:</b> - While creating a non-Odin user this filed can be kept as Optional.
221	<a href="#">Market Data Allowed</a>	Y	String (100)	Market Data Allowed segments to be assigned to the user. In this pass the Segment Ids comma separated.  <b>Note:</b> - While creating a non-Odin user this filed can be kept as Optional.
222	<a href="#">Login Allowed</a>	Y	String (100)	Login Allowed segments to be assigned to the user. In this pass the Segment Ids comma separated.  <b>Note:</b> - While creating a non-Odin user this filed can be kept as Optional.

223	Login Type	Y	String	<p>Login Type i.e. Product allowed to the user. In this pass the below Product Id in coma separated</p> <table border="1"> <tr> <td>DIET</td> <td>1</td> </tr> <tr> <td>ODIN AERO</td> <td>13</td> </tr> <tr> <td>API_WEB (IBT-EX)</td> <td>16</td> </tr> <tr> <td>API_MOBILE (MOBILE EX)</td> <td>17</td> </tr> <tr> <td>HTML5_DESKTOP</td> <td>18</td> </tr> <tr> <td>ODIN_WAVE_MOB (Wave Mobile)</td> <td>23</td> </tr> </table> <p><b>Note:</b> - While creating a non-Odin user this filed can be kept as Optional.</p>	DIET	1	ODIN AERO	13	API_WEB (IBT-EX)	16	API_MOBILE (MOBILE EX)	17	HTML5_DESKTOP	18	ODIN_WAVE_MOB (Wave Mobile)	23
DIET	1															
ODIN AERO	13															
API_WEB (IBT-EX)	16															
API_MOBILE (MOBILE EX)	17															
HTML5_DESKTOP	18															
ODIN_WAVE_MOB (Wave Mobile)	23															
224	<a href="#">Bank Details Data</a>	O	String (800)	<p>This field can have multiple bank account details separated by \$ symbol. Bank Details should contain the below fields:</p> <p>BankId,BranchName,BranchCity,AccountNo,CustomerId,AccountType,IsDefaultBank,PGProduct\$BankId,BranchName,BranchCity,AccountNo,CustomerId,AccountType,IsDefaultBank,PGProduct</p> <p>Refer the Bank Details Data table below for more clarifications</p>												
225	<a href="#">DP Details</a>	O	String (800)	<p>This field can have multiple Demat account details separated by \$ symbol. Demat Details should contain the below fields:</p> <p>DP Id,Client Beneficiary Id,Holding Type,Default DP,Guardian First Name,Guardian Last Name,Guardian DOB,Guardian PAN,Second Holder First Name,Second Holder Last Name,Second Holder DOB,Second Holder PAN,Third Holder First Name,Third Holder Last Name,Third Holder DOB,Third Holder PAN,Remarks</p> <p>Refer the Demat Details Data table below for more clarifications</p>												
226	Group Admin Id	O	String(10)	Group Admin Id												
227	Unique Reference Number	O	String(20)	Unique Reference number generated by Third Party Application												

**API (Technical Specifications for interfacing with ODIN™)**

228	General Settings Template Name	Y	String(50)	In this Pass GST template if needs to modify user's default GST template.
229	First Holder DOB	O	String(10)	First Holder DOB (DD-MM-YYYY)  (This filed is also applicable for Incorporation Date if Tag-238 is 1)  <b>Imp Note: - Passing of DOB is Mandatory in case of Updating DP details (TAG-225) &amp; MF UCC (Tag-232)</b>
230	Odin User Type	O	Short(1)	0 – Non ODIN User 1 – ODIN User  If value is not sent then it will consider the value as 1 by default i.e. Odin user.
231	Product Allowed	O	String(50)	Product Allowed to be assigned to the user. In this pass the Product Ids as comma separated.  2- Mutual Fund 3- IPO 4- PMS 14- BOND <b>32 - 3 in 1 Account</b>
232	<a href="#">MF UCC Details</a>	O	String(1000 )	This field used to Map MF-exchange UCC details. In this pass the exchange wise UCC details mapping as comma separated. Details should contain all the below fields in sequence. User can pass blank comma in case of no mapping.  BSEUCC,NSEUCC1,NSEUCC2,NSEUCC3,ModeAllowed,BSETransaction Mode, BSE UCC Mode,Holding Mode,MF 2ndApp First Name,MF 2nd App Last Name,MF2ndAppPANNo,MF 2nd Appl Form 60 Status,MF3rdAppFirstName,MF3rd AppLastName,MF3rdAppPANNo,MF 3rdApplForm60Status,MF Guardian First Name,MF Guardian Last Name,MF Guardian PANNo,MF Guardian DOB,MF Guardian Form60 Status,MF Guardian Address,MF Nominee First Name,MF Nominee Last Name,MF

				<p>Nominee DOB, MF Nominee Relation, MF Nominee Address, MF Karvy Payment Mode, MF Karvy Payment Code, MF Other RTA Payment Mode</p> <p>Refer the MF UCC Details Data table below for more clarifications</p> <p><b>Note: -</b></p> <ul style="list-style-type: none"> <li>➤ This field is mandatory if Product allowed for MF. If UCC details provided then system shall update KYC flag on by default.</li> <li>➤ <b>DP details are mandatory if updating MF UCC data.</b></li> </ul>
233	Gender	M	String(2)	<p>Gender of the user</p> <p>M - Male F - Female NA- In case of Firm Account</p>
234	Client Type	O	String(10)	<p>Client Type of user. In this pass the Client Code as available in WebAdmin client code master.</p> <p>Note: - This TAG is mandatory if Product allowed for IPO, BONDS or PMS.</p>
235	Tax Status	O	String(10)	<p>Tax Status of the user. In this pass the Tax Status Code as available in WebAdmin Tax Status master.</p> <p>Note: - This TAG is mandatory if Product allowed for MF, BONDS or PMS.</p>
236	Occupation	O	String(10)	<p>Occupation of the user. In this pass the Occupation Code as available in WebAdmin Occupation master.</p> <p>Note: - This TAG is mandatory if Product allowed for MF, BONDS or PMS.</p>
237	Form60	O	Short(1)	<p>Form60 Submitted</p> <p>Y - Yes N - No</p>
238	Incorporation Date Flag	O	Short(1)	<p>Applicable only if Incorporation date Needs to update for Firm.</p>

				Pass = 1 <b>If Passed 1 then fill Incorporation date in TAG-229.</b>
239	Father/ Husband Name	O	String (50)	Father/Husband Name
240	Global Flag	O	Short	0 – Global is not considered 1 – Global is to be considered If value is not set, it is considered as 0 by default. <b>If value is set other than 0 and 1, it should be considered as 0.</b>
241	Number of Orders Per Second	O	Long	If this value is not set, -1 default value will be considered <b>Maximum value allowed up to 999.</b>
242	Max broadcast scrip allowed	O	Long	If this value is not set, -1 default value will be considered <b>Maximum value allowed up to 99999999.</b>
243	Branch Name	O	String (15)	Name of branch
244	POA	O	Short	0 – POA 2 – Non - POA If this value is not set, 0 will be considered as default value. <b>If value is set other than 0 and 2, it should be considered as 0.</b>
247	Max GTD Allowed	O	Long	If the value passed is Blank or "0", then GTD allowed checkbox should be unchecked. <b>Maximum value allowed up to "9999"</b>
248	Product Type	O	Short	Product type: 1 – Margin/IntraDay 2 – Delivery/CarryForward 4 – MarginPlus 8 – MTF 64 – PTST
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed. <b>Note: This tag should always be appended at the end of the request string.</b>

**E.g.:****String to be passed for generating check sum:**

63=FT1.0|64=301|67=RESERVEDPG|4=0x01C6694EA406031D48B2AA88FB8CCA|201=WEBRET1|202=HO|203=10.0.10.0|204=|205=|206=|207=addExxvEtd4sTPOJ078asd|208=4|209=Address Line 1|210=Address Line 2|211=Mumbai|212=400001|213=|214=9874563210|215=|216=aaa@bbb.com|217=AAAAA1234

A|218=A|219=1|220=1,2,3,4,5|221=1,2,3,4,5|222=1,2,3,4,5|223=1,8,9|224=UTI,Kandivali,Mumbai,02145214521423,1111222,CA,0,NSE  
 EQUITIES\$HDFC,Andheri,Mumbai,04874562102145,99998888,CA,0,NSE EQUITIES|225=  
 IN300940,12345678,Single,0,,,,,,,,,,,,,NA|226=|227=11071700121312014520|228=USERMIG|  
 229=21-01-  
 1995|230=1|231=2,3,4,14|232=BSEUCC,NSEUCC1,NSEUCC2,,7,2,,JO,Hardik,Kothiya,QWERT12  
 12A,1,T1,T1,HHHHH1234H,1,G1,G2,HHHHH1111A,31-08-1991,1,MUMBAI,N1,N2,31-08-  
 1993,Self,Surat,AM,,AM|233=M|234=IND|235=1|236=1|237=N|238=|239=HardikKumar|  
 240=1|241=3|242=15|243=MUMBAI|244=0|247=10|248=1

**String to be passed for creating retail user along with check sum value:**

CreateRetailUser  
 ("63=FT1.0|64=301|67=RESERVEDPG|4=0x01C6694EA406031D48B2AA88FB8CCA|201=WEBRE  
 T1|202=HO|203=10.0.10.0|204=|205=|206=|207=addExxvEtd4sTPOJ078asd|208=4|209=Addre  
 ss Line 1|210=Address Line  
 2|211=Mumbai|212=400001|213=|214=9874563210|215=|216=aaa@bbb.com|217=AAAAA1234  
 A|218=A|219=1|220=1,2,3,4,5|221=1,2,3,4,5|222=1,2,3,4,5|223=1,8,9|224=UTI,Kandivali,Mum  
 bai,02145214521423,1111222,CA,0,NSE  
 EQUITIES\$HDFC,Andheri,Mumbai,04874562102145,99998888,CA,0,NSE EQUITIES|225=  
 IN300940,12345678,Single,0,,,,,,,,,,,,,NA|226=|227=11071700121312014520|228=USERMIG|  
 229=21-01-1995|230=1|231=2,3,4,14|232=  
 BSEUCC,NSEUCC1,NSEUCC2,,7,2,,JO,Hardik,Kothiya,QWERT1212A,1,T1,T1,HHHHH1234H,1,G1,  
 G2,HHHHH1111A,31-08-1991,1,MUMBAI,N1,N2,31-08-1993,Self,Surat,AM,,AM|  
 |233=M|234=IND|235=1|236=1|237=N|238=|239=HardikKumar|240=1|241=3|242=15  
 |243=MUMBAI|244=0|247=10|248=1|999=145")

**Note 1:** - Post successful user creation in ODIN, web service shall assign following default templates automatically so that clients can start trading seamlessly. Such default templates shall be assigned if it is available in ODIN Database. So member should make provision in their ODIN Admin for at least one standard default templates for all such templates that needs to be assigned to new user to make them onboard and trade seamlessly. System shall mark newly created user with Margin/Prime as ON by default same as existing functionality in available in ODIN User Maintenance window.

List of Templates:-

- Default Surveillance Template
- Default CRP Template
- Default User-Privileges Template
- Default Client Facility template
- Default Authentication Template
- Default Quantity and Value Limit Template
- Default News Category Template
- Default Brokerage Template
- Default Auto square off %

**Note 2:** - Same method can be used to convert Non-Odin user to ODIN User.

**Note 3:** - All API users should refrain from using the special key ‘|’ ‘\$’ ‘=’ ‘Comma’ ‘>’ ‘<’ unless wherever it is explicitly mentioned in TAG to use such special characters.

**4.5.1 Bank Details Data**

Field Name	Req'd	Data type (Max)	Comment
Bank Id	M	String (20)	Bank Id of the user
Bank Branch Name	O	String (40)	Bank Branch Name of the respective Bank Id
Bank Branch City	O	String (35)	Bank Branch City of the respective Bank Id
Bank Account No	M	String (20)	Bank Account Number of the respective Bank Id
Bank Customer Id	O	String (10)	Bank Customer Id of the respective Bank Id
Bank Account Type	M	String (3)	Bank Account Type of the respective Bank Id. Select from the below values: CA, SB, NRE, NRO
Is Default Bank	O	Integer	If the Bank is to be set as Default then set the value as 1 else 0.
PG Product	O	String (100)	Name of the PG Product to be mapped to the Bank

**4.5.2 DP Details Data**

Field Name	Req'd	Data type (Max)	Comment
DP Id	M	String(8)	DP Id
Client Beneficiary Id	M	String(16)	Client Beneficiary Id
Holding Type	M	String(35)	Holding Type 1- 1st Holder 2- Joint Holder 1+1 3- Joint Holder 1+2
Default DP	O	Char(1)	Default DP (Send Y or N)  Y = Yes N = No
Guardian First Name	O	String(25)	Guardian First Name  Applicable In case First holder is Minor
Guardian Last Name	O	String(25)	Guardian Last Name  Applicable In case First holder is Minor
Guardian DOB	O	String(10)	Guardian DOB (DD-MM-YYYY)  Applicable In case First holder is Minor
Guardian PAN	O	String(10)	Guardian PAN  Applicable In case First holder is Minor
Second Holder First Name	O	String(25)	Second Holder First Name
Second Holder Last Name	O	String(25)	Second Holder Last Name

Second Holder DOB	O	String(10)	Second Holder DOB (DD-MM-YYYY)
Second Holder PAN	O	String(10)	Second Holder PAN
Third Holder First Name	O	String(25)	Third Holder First Name
Third Holder Last Name	O	String(25)	Third Holder Last Name
Third Holder DOB	O	String(10)	Third Holder DOB (DD-MM-YYYY)
Third Holder PAN	O	String(10)	Third Holder PAN
Remarks	O	String(25)	Remarks

#### 4.5.3 List of Exchanges and Market segment IDs

The Following is list of Exchanges and their respective Market Segment IDs supported by the API:

Exchange	Market Segment ID
NSE Cash	1
NSE Derivatives	2
BSE Cash	3
BSE Derivatives	4
MCX Futures	5
NCDEX Futures	7
<b>BSE SLBM</b>	9
MSE Curr Futures	11
NSECDS Futures	13
MSE Cash	15
MSE Derivatives	16
<b>NSE SLBM</b>	17
BSE Commodity	18
NSE Commodity F&O	19
NSE-OFS	33
BSE-OFS	25
ICEX	34
BSE CDS	38
Mutual Fund	41

#### 4.5.4 MF UCC Details data

Field Name	Req'd	Data type (Max)	Comment
BSE UCC	O	String(10)	Enter BSE UCC. (First Holder) ( If the NSE UCC1 is specified then the BSE UCC will be optional)
NSE UCC1	O	String(10)	Enter NSE UCC (First Holder)  (If the BSE UCC is specified then the NSE UCC1 will be optional)
NSE UCC2	O	String(10)	Enter NSE UCC2 (For second holder)

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NSE UCC3	O	String(10)	Enter NSE UCC3 (For third holder)
Mode Allowed	M	Short	1 – RTA 2 – NSE 4 – BSE 3 – RTA +NSE 5 – RTA + BSE 6 – NSE+BSE 7 – RTA+NSE+BSE
BSE Transaction Mode	O	String(1)	Applicable if Mode allowed for BSE 0- Demat 1- Physical 2- Both
(BSE UCC Mode)	O	Short(1)	Pass BSE UCC Mode of User 0 – MFI 1- MFD  <b>Imp Note:</b> - (Reserved filed provision made for BSE UCC Mode. Kindly pass Blank for the time being)
Holding Mode	M	String (5)	Pass user's MF Holding Mode SI - Single JO - Joint AS - Anyone or Survivor  (Mandatory if MF allowed)
MF 2ndApp First Name	O	String (25)	Pass MF 2ndApp First Name Mandatory if MF holding is JO or AS
MF 2nd App Last Name	O	String (25)	Pass MF 2nd App Last Name
MF2ndAppPANNo	O	String (10)	Pass MF 2nd App PAN No Mandatory if MF holding is JO or AS
MF 2nd Appl Form 60 Status	O	Short(1)	Pass MF 2nd Appl Form 60 Status 1= Form60 Submitted
MF3rdAppFirstName	O	String (25)	Pass MF 3rd App First Name
MF3rdAppLastName	O	String (25)	Pass MF 3rd App Last Name
MF3rdAppPANNo	O	String (10)	Pass MF 3rd App PAN No
MF3rdApplForm60Status	O	Short(1)	Pass MF 3rd Appl Form 60 Status 1= Form60 Submitted
MF Guardian First Name	O	String (25)	Pass MF Guardian First Name Mandatory if First Holder is minor & MF Allowed.
MF Guardian Last Name	O	String (25)	Pass MF Guardian Last Name
MF Guardian PANNo	O	String (10)	Pass MF Guardian PANNo <b>Mandatory if Client is minor &amp; MF Allowed</b>

MF Guardian DOB	O	String(10)	Pass MF Guardian DOB Note: - Guardian Date of Birth cannot be less than 18 years of age.								
MF Guardian Form60 Status	O	Short(1)	Enter MF Guardian Form60 Status 1= Form60 Submitted								
MF Guardian Address	O	String (300)	Enter MF Guardian Address Mandatory if Client is minor & MF Allowed								
MF Nominee First Name	O	String (25)	Enter MF Nominee First Name								
MF Nominee Last Name	O	String (25)	Enter MF Nominee Last Name								
MF Nominee DOB	O	String(10)	Enter MF Nominee DOB								
MF Nominee Relation	O	String (20)	Enter MF Nominee Relation								
MF Nominee Address	O	String (300)	Enter MF Nominee Address								
MF Karvy Payment Mode	O	String (2)	Mandatory if MF allowed. Pass MF Karvy Payment Mode list AM - AutoMapping C - Cheque E- ECS R- RTGS N- NEFT								
MF Karvy Payment Code	O	String (11)	Mandatory if MF allowed. Pass MF Karvy Payment Code Mandatory if Karvy payment mode is E, R & N. <table border="1" data-bbox="945 1094 1414 1224"> <thead> <tr> <th>Payment Mode</th> <th>String Max value</th> </tr> </thead> <tbody> <tr> <td>ECS</td> <td>String (9)</td> </tr> <tr> <td>RTGS</td> <td>String (11)</td> </tr> <tr> <td>NEFT</td> <td>String (11)</td> </tr> </tbody> </table>	Payment Mode	String Max value	ECS	String (9)	RTGS	String (11)	NEFT	String (11)
Payment Mode	String Max value										
ECS	String (9)										
RTGS	String (11)										
NEFT	String (11)										
MF Other RTA Payment Mode	O	String (10)	Mandatory if MF allowed. Pass MF Other RTA Payment Mode. AM - AutoMapping CHEQUE - Cheque								

#### 4.6 Create Retail User Response (WCF REST Service to Client)

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value - FT1.0
64	Message Type	Y	Fixed Value - 302
18	Response Code	Y	Response Code 0 - Failure 1 - Success

227	Unique Reference Number	O	Unique Reference number which will be same as the one sent in the request
19	Response Message	O	Response Message

E.g.:

**SUCCESS case -**

63=FT1.0|64=302|18=1|227=110717001213|19=User created successfully

**FAILURE case -**

63=FT1.0|64=302|18=0|227=110717001213|19=Error occurred, kindly contact administrator

63=FT1.0|64=302|18=0|227=110717001213|19=Unable to connect to the remote server

In case When Net.Net Service is down then following error message would show

63=FT1.0|64=302|18=0|227=110717001213|19=Unable to Connect to ODIN Manager

**4.7 Update PG Limits Request (Client to WCF REST Service)**

This message is sent by the Client to the WCF REST Service for creating a Web Retail User in ODIN and WebAdmin. The Service will validate the request based on the parameters sent and upon successful updation of PG Limits in ODIN for user, it will send the response back. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Value – 303, to update amount in Cash Deposit. Value – 330 – to update amount in Manual Collateral.
67	Reserved PG Dealer Id	Y	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	New Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
246	Notional Deposit	O	decimal	Amount in Rs. Max value of transaction should not exceed Rs. 99999999999.99. Set PG_UPDATE_LIMIT_NEW_STRUCTURE config key value to ON to allow Notional deposit.
251	Amount	O	decimal	Amount in Rs.

				Max value of transaction should not exceed Rs. 99999999999.99. Set PG_UPDATE_LIMIT_NEW_STRUCTURE config key value to ON to allow amount > 2cr.
252	Transaction Ref. No.	Y	String (50)	Unique PG Transaction Ref. No. Set PG_UPDATE_LIMIT_NEW_STRUCTURE config key value to ON to increase Transaction No length to 50 characters.
253	Product Id	Y	Integer	Product Id for which Fund Transfer is initiated
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed

**E.g.:**

UpdatePGLimits

("63=FT1.0|64=303|67=RESERVEDPG|4=RESERVEDPG\_572017142958|201=WEBRET1|202=HO|246=5|251=1|252=70705000100|253=1|999=023)

**4.8 Update PG Limits Response (WCF REST Service to Client)**

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 304
18	Response Code	Y	Response Code 0 – Failure 1 – Success
252	Transaction Ref. No.	Y	Unique PG Transaction Ref. No. which will be same as the one sent in the request
19	Response Message	O	Response Message

E.g.:

**SUCCESS case –**

63=FT1.0|64=304|18=1|252=70705000100|19=PG Limit updated successfully

**FAILURE case –**

63=FT1.0|64=304|18=0|252=70705000100|19=Error occurred, kindly contact administrator

63=FT1.0|64=304|18=0|252=70705000100|19=Transaction No already exist in the system

63=FT1.0|64=304|18=0|252=70705000100|19=User Id does not exist in the system

### 4.9 Update User Template

Tag	Field Name	Req'd	Data type (Max)	Comment												
63	Message Version	Y	String (10)	Fixed Value – FT1.0												
64	Message Type	Y	Integer	Fixed Value – 310												
67	Reserved PG Dealer Id	Y	String (10)	Reserved PG Dealer Id												
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value												
201	User Id	Y	String (10)	Pass User Id												
202	Group Id	Y	String (10)	Group Id of the user												
203	Manager Id	Y	String (50)	This field will determine on which ODIN Manager user belongs to. This value should match the one in the ODIN Manager Settings screen in WebAdmin.												
208	User Category	O	Short	Category Id of the user 2 – Retail User 4 – Web Retail User 3 – Institutional User 5 – Institutional Web User  <b>Note:</b> Mandatory if Template Type Id is 11												
270	Template Type Id	Y	short	In this filed pass any one of the below Template Type Id.  List of Templates:- 1 – User Privilege Template 5 – Client Facility Template 8 – Authentication Template 9 – News Category Template 11 – CRP Template 2 - Scrip Basket Template 12 - Brokerage Template												
271	Template Name	Y	String	In this field pass Template Name as available in ODIN Admin for template type id mentioned in Tag-270.  Note: - Kindly refer below table for Data Type Max Length template wise. <table border="1" data-bbox="873 1587 1365 1869"> <thead> <tr> <th>Template Type Id</th> <th>Template Name</th> <th>Max. Length</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>User Privilege Template</td> <td>14</td> </tr> <tr> <td>5</td> <td>Client Facility Template</td> <td>11</td> </tr> <tr> <td>8</td> <td>Authentication Template</td> <td>13</td> </tr> </tbody> </table>	Template Type Id	Template Name	Max. Length	1	User Privilege Template	14	5	Client Facility Template	11	8	Authentication Template	13
Template Type Id	Template Name	Max. Length														
1	User Privilege Template	14														
5	Client Facility Template	11														
8	Authentication Template	13														

				9	News Category Template	14
				11	CRP Template	10
				12	Brokerage Template	14
				2	Scrip Basket Template	14
272	Global or Branch Level Flag	O	Char(1)	Global – 0 Branch – 1  <b>Note: -</b> ○ If no value passed then system shall map Global as default value. ○ <b>Template type id 5, 8 &amp; 9 are only at Global level.</b>		
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed		

**Request:**

63=FT1.0|64=310|67=RESERVEDPG|4=RESERVEDPG\_3102017151640|201=HARDIK61|202=H  
O|203=172.25.100.169|208=4|270=1|271=ALL|272=0|999=130

**Response:**

**SUCCESS case –**

63=FT1.0|64=311|18=1|19=User Template update successfully

**FAILURE case –**

63=FT1.0|64=311|18=0|19=Error occurred, kindly contact administrator

63=FT1.0|64=311|18=0|19= Unable to Connect to ODIN Manager

63=FT1.0|64=311|18=0|19=Template Name is not provided

**4.10 Update QVL Template**

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 312
67	Reserved PG Dealer Id	Y	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Pass User Id
202	Group Id	Y	String (10)	Group Id of the user

203	Manager Id	Y	String (50)	This field will determine on which ODIN Manager user belongs to. This value should match the one in the ODIN Manager Settings screen in WebAdmin.
273	<a href="#">Template Details</a>	Y	String (500)	TemplateName,ExchangeCode,GlobalorBranchLevel\$TemplateName,ExchangeCode,GlobalorBranchLevel  Kindly refer below Template Details table for Filed validation and exchange code master
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed.

**4.10.1 Template Details:-**

Field Name	Req'd	Data type (Max)	Comment																																
Template Name	Y	String(11)	In this field pass Template Name as available in ODIN Admin.																																
Exchange Code	Y	short	List of Exchange Codes <table border="1" style="margin-left: 40px;"> <thead> <tr> <th>Exchange Code</th> <th>Market Segment</th> </tr> </thead> <tbody> <tr><td>1</td><td>NSE Equities</td></tr> <tr><td>2</td><td>NSE Futures</td></tr> <tr><td>3</td><td>NSE Options</td></tr> <tr><td>4</td><td>BSE Equities</td></tr> <tr><td>5</td><td>BSE Futures</td></tr> <tr><td>6</td><td>BSE Options</td></tr> <tr><td>7</td><td>MCX Futures</td></tr> <tr><td>8</td><td>NCDEX Futures</td></tr> <tr><td><b>9</b></td><td><b>BSE SLBM</b></td></tr> <tr><td>10</td><td>MSE Currency FUT</td></tr> <tr><td>11</td><td>MSE Equities</td></tr> <tr><td>12</td><td>MSE Futures</td></tr> <tr><td>13</td><td>MSE Options</td></tr> <tr><td>15</td><td>BSE COMM Future</td></tr> <tr><td>16</td><td>MSE Currency OPT</td></tr> </tbody> </table>	Exchange Code	Market Segment	1	NSE Equities	2	NSE Futures	3	NSE Options	4	BSE Equities	5	BSE Futures	6	BSE Options	7	MCX Futures	8	NCDEX Futures	<b>9</b>	<b>BSE SLBM</b>	10	MSE Currency FUT	11	MSE Equities	12	MSE Futures	13	MSE Options	15	BSE COMM Future	16	MSE Currency OPT
Exchange Code	Market Segment																																		
1	NSE Equities																																		
2	NSE Futures																																		
3	NSE Options																																		
4	BSE Equities																																		
5	BSE Futures																																		
6	BSE Options																																		
7	MCX Futures																																		
8	NCDEX Futures																																		
<b>9</b>	<b>BSE SLBM</b>																																		
10	MSE Currency FUT																																		
11	MSE Equities																																		
12	MSE Futures																																		
13	MSE Options																																		
15	BSE COMM Future																																		
16	MSE Currency OPT																																		

				17	NSE SLBM
				18	NSE Currency OPT
				23	NSE COMM Futures
				24	NSE COMM Options
				27	BSE OTS
				38	ICEX
				43	NSE OTS
				44	BSE Currency FUT
				45	BSE Currency OPT
				47	MCX Option
				48	NCDEX Option
				49	BSE COMM Option
Global or Branch Level Flag	Y	Char(1)	Global – 0 Branch – 1		

**Request:**

63=FT1.0|64=312|67=RESERVEDPG|4=RESERVEDPG\_3102017151640|201=HARDIK61|202=H  
O|203=172.25.100.169|273=ALL,1,0\$TEST,1,1|999=209

**Response:**

**Success Case-**

63=FT1.0|64=313|18=1|19=QVL Template update successfully

**FAILURE case -**

63=FT1.0|64=313|18=0|19=Error occurred, kindly contact administrator

63=FT1.0|64=313|18=0|19= Unable to Connect to ODIN Manager

63=FT1.0|64=313|18=0|19=Exchange Code is not provided

**4.11 Dealer to Client Mapping: -**

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 314
67	Reserved PG Dealer Id	Y	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Pass User Id

202	Group Id	Y	String (10)	Group Id of the user
203	Manager Id	Y	String (50)	This field will determine on which ODIN Manager user belongs to. This value should match the one in the ODIN Manager Settings screen in WebAdmin.
208	User Category	Y	Short	Category Id of the user 2 – Retail User 4 – Web Retail User 3 – Institutional User 5 – Institutional Web User
274	<a href="#">Mapping Details</a>	Y	String (500)	Action code, Dealer Group, Dealer Id\$Action code, Dealer Group, Dealer Id  Kindly refer below Mapping details table.
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed

**4.11.1 Mapping Details: -**

Field Name	Req'd	Data type (Max)	Comment
Action code	Y	String(1)	A-> ADD R->Remove
Dealer Group	Y	String(10)	Enter Dealer Group from which user belongs
Dealer Id	Y	String(10)	Enter Dealer Id

**Request:**

63=FT1.0|64=314|67=RESERVEDPG|4=RESERVEDPG\_3102017151640|201=HARDIK61|202=HO|203=172.25.100.169|208=4|274=A,HO,DEAL1\$ A,HO,DEAL2|999=007

**Response:**

**Success Case:-**

63=FT1.0|64=315|18=1|19=Dealer to Client update successfully

**FAILURE case -**

63=FT1.0|64=315|18=0|19=Error occurred, kindly contact administrator

63=FT1.0|64=315|18=0|19= Unable to Connect to ODIN Manager

63=FT1.0|64=315|18=0|19= Dealer Group Id is not provided

**4.12 Funds View Summary Request (Client to WCF REST Service)**

This message is sent by the Client to the WCF REST Service to get the overview of Funds view summary. The Service will validate the request based on the parameters sent and upon successful system will send the response back in string format. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0

64	Message Type	Y	Integer	Fixed Value – 316
67	Reserved PG Dealer Id	O	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Session id generated by the system for each session. Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
275	Funds View Product	Y	String (50)	Pass Product values as mentioned below for which funds view summary is to be viewed for the user. 1 – Trading
276	<a href="#">Periodicity</a>	Y	Int64	In this pass Periodicity id for which data needs to extract.  Periodicity id can be extracted from <a href="#">GetPeriodicityList</a> method.
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed.  <b>Note: This tag should always be appended at the end of the request string.</b>

E.g.:

**String to be passed for generating check sum:**

63=FT1.0 | 64=316 | 67=RESERVEDPG | 4=RESERVEDPG\_412201710722 | 201=HARDIK61 | 202=HO | 275=1 | 276=8589934591

**String to be passed for creating retail user along with check sum value:**

63=FT1.0 | 64=316 | 67=RESERVEDPG | 4=RESERVEDPG\_412201710722 | 201=HARDIK61 | 202=HO | 275=1 | 276=8589934591 | 999=145

#### 4.13 Funds View Summary Response (WCF REST Service to Client)

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 317
18	Response Code	Y	Response Code 0 – Failure 1 – Success
19	Response Message	O	Response Message

E.g.:

**SUCCESS case –**

63=FT1.0|64=317|18=1|19={"FundsViewSummary":{"Product":"1","Deposit":"0.00","Funds Transferred Today":"0.00","Collateral":"0.00","Credit for Sale":"0.00","Option CFS":"0.00","Total Trading Power Limit":"0.00","Limit Utilization":"0.00","Booked P&L":"0.00","MTM P&L":"0.00","Total Utilization":"0.00","Net Available Funds":"0.00","Exposure Margin":"0.00","Cash Deposit":"9999999999.99","Adhoc Deposit":0.00,"NotionalDeposit":0.00}}

**FAILURE case -**

63=FT1.0|64=302|18=0|19= Error occurred, kindly contact administrator  
 63=FT1.0|64=302|18=0|19= User Id does not exist in the system  
 63=FT1.0|64=302|18=0|19= Unable to connect to the remote server

**4.14 Get Periodicity List Request (Client to WCF REST Service)**

This message is sent by the Client to the WCF REST Service to get the list of Periodicity available in ODIN database. The Service will validate the request based on the parameters sent and upon successful system will send the response back in string format. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value - FT1.0
64	Message Type	Y	Integer	Fixed Value - 318
67	Reserved PG Dealer Id	Y	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Session id generated by the system for each session. Must be same as session id value recd. on logon response value.
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed.

**E.g.:**

**String to be passed for generating check sum:**

63=FT1.0|64=318|67=RESERVEDPG|4=RESERVEDPG\_412201710722

**String to be passed for creating retail user along with check sum value:**

63=FT1.0|64=318|67=RESERVEDPG|4=RESERVEDPG\_412201710722|999=075

**4.15 Get Periodicity List Response (WCF REST Service to Client)**

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value - FT1.0
64	Message Type	Y	Fixed Value - 319
18	Response Code	Y	Response Code 0 - Failure 1 - Success
19	Response Message	O	Response Message

E.g.:

**SUCCESS case -**

```
63=FT1.0|64=319|18=1|19={"Periodicity":{"MarketSegment":"NSE
Equities","ExpiryPeriodicity":3},{"MarketSegment":"NSE
Futures","ExpiryPeriodicity":5},{"MarketSegment":"NSE
Options","ExpiryPeriodicity":9},{"MarketSegment":"NSE
Derivatives","ExpiryPeriodicity":13},{"MarketSegment":"NSE Combined [NSEEQ +
NSEFAO]","ExpiryPeriodicity":15},{"MarketSegment":"BSE
Equities","ExpiryPeriodicity":17},{"MarketSegment":"BSE
Futures","ExpiryPeriodicity":33},{"MarketSegment":"BSE
Options","ExpiryPeriodicity":65},{"MarketSegment":"BSE
Derivatives","ExpiryPeriodicity":97},{"MarketSegment":"BSE Combined [BSEEQ +
BSEFAO]","ExpiryPeriodicity":113},{"MarketSegment":"MCX
Futures","ExpiryPeriodicity":129},{"MarketSegment":"MCX
Option","ExpiryPeriodicity":129},{"MarketSegment":"NCDEX
Option","ExpiryPeriodicity":257},{"MarketSegment":"NCDEX Futures","ExpiryPeriodicity":257}}
```

**FAILURE case -**

```
63=FT1.0|64=302|18=0|19= Error occurred, kindly contact administrator
63=FT1.0|64=302|18=0|19= Invalid Session
63=FT1.0|64=302|18=0|19= Unable to connect to the remote server
```

**Note-1:-**

In Fund View summary method if Reserved Dealer Id is not passed then system will validate provided Session id with User's session and if reserved dealer id passed then system will validate provided session id reserved dealer id.

#### 4.16 Update Retail User Request (Client to WCF REST Service)

This message is sent by the Client to the WCF REST Service for modifying any particular details of Web Retail User in ODIN and WebAdmin. The Service will validate the request based on the parameters sent and upon successful creation of user will send the response back in xml format. In case of failure it will send a failure response.

This method can be used to update/Modify existing ODIN user's details.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 320
67	Reserved PG Dealer Id	Y	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
203	Manager Id	Y	String (50)	This field will determine on which ODIN Manager user belongs to. This value should match the one in the ODIN Manager Settings screen in WebAdmin under Configuration->Odin Manager Settings->Manager IP. (Manager Id can be Manager IP or DNS saved in Manager IP field)  <b>Note:</b> - While modifying details for non-Odin user then Manager ID can be kept as Optional field.
206	Name	O	String (40)	First & Last Name of the user separated by space
209	Address Line 1	O	String (40)	Address Line 1
210	Address Line 2	O	String (40)	Address Line 2
211	City	O	String (40)	City
212	Pin code	O	String (6)	Pin code
213	Telephone No	O	String (20)	Telephone No
214	Mobile No	O	String (14)	Mobile No  Note: - Mobile no will be updated in Tel No filed in ODIN Admin.
215	Fax No	O	String (20)	Fax No
216	Email Id	O	String (39)	Email Id
217	Pan Card	O	String (10)	Pan Card
218	User Status	O	Char (1)	User Status A – Active S – Suspended <b>I - Inactive</b>

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219	Surveillance Auto or Manual	O	Short	0 – Auto 1 – Manual												
220	<a href="#">Trading Allowed</a>	O	String (100)	Trading Allowed segments to be assigned to the user. In this pass the Segment Ids comma separated.  <b>Note:</b> - While Modifying non-Odin user this filed can be kept as Optional.												
221	<a href="#">Market Data Allowed</a>	O	String (100)	Market Data Allowed segments to be assigned to the user. In this pass the Segment Ids comma separated.  <b>Note:</b> - While Modifying non-Odin user this filed can be kept as Optional.												
222	<a href="#">Login Allowed</a>	O	String (100)	Login Allowed segments to be assigned to the user. In this pass the Segment Ids comma separated.  <b>Note:</b> - While Modifying non-Odin user this filed can be kept as Optional.												
223	Login Type	O	String	Login Type i.e. Product allowed to the user. In this pass the below Product Id in coma separated <table border="1" style="margin-left: 20px;"> <tr> <td>DIET</td> <td>1</td> </tr> <tr> <td>ODIN AERO</td> <td>13</td> </tr> <tr> <td>API_WEB (IBT-EX)</td> <td>16</td> </tr> <tr> <td>API_MOBILE (MOBILE EX)</td> <td>17</td> </tr> <tr> <td>HTML5_DESKTOP</td> <td>18</td> </tr> <tr> <td>ODIN_WAVE_MOB (Wave Mobile)</td> <td>23</td> </tr> </table> <b>Note:</b> - While Modifying non-Odin user this filed can be kept as Optional.	DIET	1	ODIN AERO	13	API_WEB (IBT-EX)	16	API_MOBILE (MOBILE EX)	17	HTML5_DESKTOP	18	ODIN_WAVE_MOB (Wave Mobile)	23
DIET	1															
ODIN AERO	13															
API_WEB (IBT-EX)	16															
API_MOBILE (MOBILE EX)	17															
HTML5_DESKTOP	18															
ODIN_WAVE_MOB (Wave Mobile)	23															
224	<a href="#">Bank Details Data</a>	O	String (800)	This field can have multiple bank account details separated by \$ symbol. Bank Details should contain the below fields:  <b>Action</b> ,BankId,BranchName,BranchCity,AccountNo,CustomerId,AccountType,IsDefault Bank,PGProduct\$ <b>Action</b> ,BankId,BranchName,BranchCity,AccountNo,CustomerId,AccountType,IsDefault Bank,PGProduct  Refer the Bank Details Data table below for detailed filed description.												
225	<a href="#">DP Details</a>	O	String (800)	This field can have multiple Demat account details separated by \$ symbol. Demat Details should contain the below fields:												

				<p><b>Action</b>,DP Id,Client Beneficiary Id,Holding Type,Default DP,Guardian First Name,Guardian Last Name,Guardian DOB,Guardian PAN,Second Holder First Name,Second Holder Last Name,Second Holder DOB,Second Holder PAN,Third Holder First Name,Third Holder Last Name,Third Holder DOB,Third Holder PAN,Remarks</p> <p>Refer the DP Details Data table below for detailed filed description.</p>
227	Unique Reference Number	O	String(20)	Unique Reference number generated by Third Party Application
228	General Settings Template Name	O	String(50)	In this Pass GST template if needs to modify user's default GST template.
229	First Holder DOB	O	String(10)	<p>First Holder DOB (DD-MM-YYYY)</p> <p>(This filed is also applicable for Incorporation Date Tag if Tag-238 is 1)</p> <p><b>Imp Note: - Passing of DOB is Mandatory in case of Updating DP details (TAG-225) &amp; MF UCC (Tag-232)</b></p>
230	Odin User Type	M	Short(1)	<p>0 – Non ODIN User 1 – ODIN User</p> <p>This Tag will not change ODIN user type. Passing of value in this tag is mandatory to identify current user type of the user.</p>
231	Product Allowed	O	String(50)	<p>Product Allowed to be assigned to the user. In this pass the Product Ids as comma separated.</p> <p>2- Mutual Fund 3- IPO 4- PMS 14- BOND <b>32 - 3 in 1 Account</b></p>
232	<a href="#">MF UCC Details</a>	O	String(1000)	<p>This field used to Map MF-exchange UCC details. In this pass the exchange wise UCC details mapping as comma separated. Details should contain all the below fields in sequence. User can pass blank comma in case of no mapping.</p> <p>BSEUCC,NSEUCC1,NSEUCC2,NSEUCC3,ModeAllowed,BSETransactionMode, BSE UCC Mode,Holding Mode,MF 2ndApp First Name,MF 2nd App Last Name,MF2ndAppPANNo,MF 2nd Appl Form 60 Status,MF3rdAppFirstName,MF3rdAppLast</p>

				<p>Name, MF3rdAppPANNo, MF3rdApplForm60S tatus, MF Guardian First Name, MF Guardian Last Name, MF Guardian PANNo, MF Guardian DOB, MF Guardian Form60 Status, MF Guardian Address, MF Nominee First Name, MF Nominee Last Name, MF Nominee DOB, MF Nominee Relation, MF Nominee Address, MF Karvy Payment Mode, MF Karvy Payment Code, MF Other RTA Payment Mode</p> <p>Refer the MF UCC Details Data table below for more clarifications</p> <p><b>Note: -</b></p> <ul style="list-style-type: none"> <li>➤ This filed is mandatory if Product allowed for MF. If UCC details provided then system shall update KYC flag on by default.</li> <li>➤ <b>DP details are mandatory if updating MF UCC data.</b></li> </ul>
233	Gender	O	String(2)	<p>Gender of the user M - Male F - Female NA- In case of Firm Account</p>
234	Client Type	O	String(10)	<p>Client Type of user. In this pass the exact client Type Code as available in WebAdmin Client Type code master.</p> <p>Note: - This TAG is mandatory if Product allowed for IPO, BONDS or PMS.</p>
235	Tax Status	O	String(10)	<p>Tax Status of the user. In this pass the exact Tax Status Code as available in WebAdmin Tax Status master.</p> <p>Note: - This TAG is mandatory if Product allowed for MF, BONDS or PMS.</p>
236	Occupation	O	String(10)	<p>Occupation of the user. In this pass the exact Occupation Code as available in WebAdmin Occupation master.</p> <p>Note: - This TAG is mandatory if Product allowed for MF, BONDS or PMS.</p>
237	Form60	O	Short(1)	<p>Form60 Submitted Y - Yes N - No</p>
238	Incorporation Date Flag	O	Short(1)	<p>Applicable only if Incorporation date Needs to update for Firm.</p> <p>Pass = 1</p>

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				If Passed 1 then fill date of Incorporation in TAG-229.
239	Father/ Husband Name	O	String (50)	Father/Husband Name
277	<a href="#">Inactive segments</a>	O	String (100)	This will allow Inactivating any exchange segments to existing Active users. In this pass the Segment Ids comma separated. Note: - This Tag is not applicable for Non-ODIN user.
278	Global Flag	O	Short	0 – Global is not considered 1 – Global is to be considered If value is not set, it is considered as 0 by default. <b>If value is set other than 0 and 1, it should be considered as 0.</b>
279	Number of Orders Per Second	O	Long	If this value is not set, -1 default value will be considered <b>Maximum value allowed up to 999.</b>
280	Max broadcast scrip allowed	O	Long	If this value is not set, -1 default value will be considered <b>Maximum value allowed up to 99999999.</b>
281	Branch Name	O	String (15)	Name of branch
282	POA	O	Short	0 – POA 2- Non-POA <b>If value is not set or if it is set other than 0 and 2, then it should retain its previous value.</b>
247	Max GTD Allowed	O	Long	If the value passed is Blank or "0", then GTD allowed checkbox should be unchecked. <b>Maximum value allowed up to "9999"</b>
248	Product Type	O	Short	Product type: 1 – Margin/IntraDay 2 – Delivery/CarryForward 4 – MarginPlus 8 – MTF 64 – PTST
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed. <b>Note: This tag should always be appended at the end of the request string.</b>

**E.g.:**

**String to be passed for generating check sum:**

63=FT1.0 | 64=320 | 67=RESERVEDPG | 4=RESERVEDPG\_2312018152511 | 201=HARDIK2402 | 202=HO | 203=172.25.1.1 | 204= | 205= | 206=Hardik Kothiya | 208=4 | 209=Address Line 1 | 210=Address

Line

2|211=Mumbai|212=400011|213=|214=9876543210|215=|216=aaa@bbb.com|217=AAAAA1234  
 A|218=A|219=1|220=1,2,3,4,5|221=1,2,3,4,5|222=1,2,3,4,5|223=1,2,3,7,14,16,17,18,19,20|224  
 =1,AXIS,Kandivali,Mumbai,02145214521423,1111222,CA,0,NSE  
 EQUITIES\$2,HDFC,Andheri,Mumbai,04874562102145,99998888,CA,0,NSE  
 EQUITIES|225=1,12345678,1234567898762402,1,Y,,,,FTIL,Techno,31-08-  
 1992,AAAAA1222A,Moons,Technology,31-08-  
 1992,AAAAA1333A,Remark1|227=|228=TEMP5|229=31-08-  
 1992|230=1|231=2,3,4,14|232=BSEUCC,NSEUCC1,NSEUCC2,,7,2,,JO,Hardik,Kothiya,QWERT12  
 12A,1,T1,T1,HHHHH1234H,1,G1,G2,HHHHH1111A,31-08-1991,1,MUMBAI,N1,N2,31-08-  
 1993,Self,Surat,AM,,AM|233=M|234=IND|235=1|236=1|237=Y|238=|239=MD|277=1,2,3|  
 278=1|279=3|280=15|281=MUMBAI|282=0|247=10|248=1

**String to be passed for modifying retail user details along with check sum value:**

UpdateRetailUser

("63=FT1.0|64=320|67=RESERVEDPG|4=RESERVEDPG\_2312018152511|201=HARDIK2402|202  
 =HO|203=172.25.1.1|204=|205=|206=Hardik Kothiya|208=4|209=Address Line 1|210=Address  
 Line

2|211=Mumbai|212=400011|213=|214=9876543210|215=|216=aaa@bbb.com|217=AAAAA1234  
 A|218=A|219=1|220=1,2,3,4,5|221=1,2,3,4,5|222=1,2,3,4,5|223=1,2,3,7,14,16,17,18,19,20|224  
 =1,AXIS,Kandivali,Mumbai,02145214521423,1111222,CA,0,NSE  
 EQUITIES\$2,HDFC,Andheri,Mumbai,04874562102145,99998888,CA,0,NSE  
 EQUITIES|225=1,12345678,1234567898762402,1,Y,,,,FTIL,Techno,31-08-  
 1992,AAAAA1222A,Moons,Technology,31-08-  
 1992,AAAAA1333A,Remark1|227=|228=TEMP5|229=31-08-  
 1992|230=1|231=2,3,4,14|232=BSEUCC,NSEUCC1,NSEUCC2,,7,2,,JO,Hardik,Kothiya,QWERT12  
 12A,1,T1,T1,HHHHH1234H,1,G1,G2,HHHHH1111A,31-08-1991,1,MUMBAI,N1,N2,31-08-  
 1993,Self,Surat,AM,,AM|233=M|234=IND|235=1|236=1|237=Y|238=|239=MD|277=1,2,3|278=1  
 |279=3|280=15|281=MUMBAI|282=0|247=10|248=1|999=248")

**Note 1: -**

Update Retail user request method can also work as an independent method if only modified details Tags have been passed in call (except mandatory tags.)

E.g. If for any user only Bank details needs to updated then updation call with only Bank details change TAG-224 can be sent in modification method. So ideally same method can be work collectively for all Tag's or either for any individual tag along with Prerequisite mandatory Tag's.

Also, maintaining the sequencing of Tag number are also not necessary expect for mandatory tags, so whatever Tag received through modification request, system would accordingly update that particular details only. This is common method for modifying user's data simultaneously for ODIN Manager & WebAdmin (Similar to create retail user method).

**Note 2: - All API users should refrain from using the special key '|', '\$', '=', 'Comma', '>', '<' unless wherever it is explicitly mentioned in TAG to use such special characters.**

**4.16.1 Bank Details Data**

Field Name	Req'd	Data type (Max)	Comment
------------	-------	-----------------	---------

Action	O	Int(1)	Action = 1 or 2  1= Insert/Modify 2= Delete  <b><u>Imp Note: -</u></b> <b>This filed is applicable only for Update Retail User details method.</b> <b>For new User creation method this filed is not expected.</b>
Bank Id	M	String (20)	Bank Id of the user
Bank Branch Name	O	String (40)	Bank Branch Name of the respective Bank Id
Bank Branch City	O	String (35)	Bank Branch City of the respective Bank Id
Bank Account No	M	String (20)	Bank Account Number of the respective Bank Id
Bank Customer Id	O	String (10)	Bank Customer Id of the respective Bank Id
Bank Account Type	M	String (3)	Bank Account Type of the respective Bank Id. Select from the below values: CA, SB, NRE, NRO
Is Default Bank	O	Integer	If the Bank is to be set as Default then set the value as 1 else 0.
PG Product	O	String (100)	Name of the PG Product to be mapped to the Bank

**4.16.2 DP Details Data**

Field Name	Req'd	Data type (Max)	Comment
Action	O	Int(1)	Action = 1 or 2  1= Insert/Modify 2= Delete  <b><u>Imp Note: -</u></b> <b>This filed is applicable only for Update Retail User details method.</b> <b>For new User creation method this filed is not expected.</b>
DP Id	M	String(8)	DP Id
Client Beneficiary Id	M	String(16)	Client Beneficiary Id
Holding Type	M	String(35)	Holding Type  1- 1st Holder 2- Joint Holder 1+1 3- Joint Holder 1+2
Default DP	O	Char(1)	Default DP (Send Y or N)

			Y = Yes N = No
Guardian First Name	O	String(25)	Guardian First Name Applicable In case First holder is Minor
Guardian Last Name	O	String(25)	Guardian Last Name Applicable In case First holder is Minor
Guardian DOB	O	String(10)	Guardian DOB (DD-MM-YYYY) Applicable In case First holder is Minor
Guardian PAN	O	String(10)	Guardian PAN Applicable In case First holder is Minor
Second Holder First Name	O	String(25)	Second Holder First Name
Second Holder Last Name	O	String(25)	Second Holder Last Name
Second Holder DOB	O	String(10)	Second Holder DOB (DD-MM-YYYY)
Second Holder PAN	O	String(10)	Second Holder PAN
Third Holder First Name	O	String(25)	Third Holder First Name
Third Holder Last Name	O	String(25)	Third Holder Last Name
Third Holder DOB	O	String(10)	Third Holder DOB (DD-MM-YYYY)
Third Holder PAN	O	String(10)	Third Holder PAN
Remarks	O	String(25)	Remarks

#### 4.17 Update Retail User Response (WCF REST Service to Client)

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 321
18	Response Code	Y	Response Code 0 – Failure 1 – Success
227	Unique Reference Number	O	Unique Reference number which will be same as the one sent in the request
19	Response Message	O	Response Message

E.g.:

**SUCCESS case –**

63=FT1.0|64=321|18=1|227=UC\_22012018120931|19=User update successfully

**FAILURE case –**

63=FT1.0|64=321|18=0|227=110717001213|19=Error occurred, kindly contact administrator  
63=FT1.0|64=321|18=0|227=110717001213|19=Unable to connect to the remote server

In case When Net.Net Service is down then following error message would show

63=FT1.0|64=321|18=0|227=110717001213|19=Unable to Connect to ODIN Manager

#### 4.18 Update SI/MCT Template (Single Interface & User MCT Channel Mapping)

This Method can be used to update user's either General Setting Template(GST) or Single Interface Template & Ebuzz User MCT Channel Mapping template at a time.

If GST template provided, then SI/MCT need not provided & vice a versa.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 322
67	Reserved PG Dealer Id	Y	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Pass User Id
202	Group Id	Y	String (10)	Group Id of the user
228	General Settings Template Name	O	String (50)	In this Pass GST template if needs to modify user's default GST template.
278	SI Template	O	String (20)	Pass Single Interface Template Name <b>Note:</b> - If TAG-228 passed then this tag needs to keep Blank
279	<a href="#">MCT Channel Template</a>	O	String (800)	This field can have multiple User MCT channel Templates separated by \$ symbol. Kindly refer below MCT Channel Mapping details table for Filed validation. Message Category Template Name,Channel Name,Status,Action\$Message Category Template Name,Channel Name,Status,Action <b>Note:</b> - If TAG-228 passed then this tag needs to keep Blank
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed.

##### 4.18.1 [MCT Channel Template Details](#): -

Field Name	Req'd	Data type (Max)	Comment
Message Category Template Name	Y	String (20)	In this field pass Message category template name as available in Ebuzz.
Channel Name	Y	String (15)	In this pass channel name in UPPERCASE.  SMS EMAIL ONLINE ONLINEB (Online with Balloon) ONLINEP (Online with Pop-up) ONLINEPB (Online with Balloon & Pop-up both) PMSSERVICE NOTIFICATION
Status	Y	Short (1)	Enter status 1/0 1 for Active 0 for inactive
Action	Y	Short (1)	Action = 1 or 2  1= Add/Update 2= Delete

**E.g.:****String to be passed for generating check sum:**

63=FT1.0 | 64=322 | 67=RESERVEDPG | 4=RESERVEDPG\_221201895021 | 201=HARDIK2402 | 202=H  
O | 228=TEMP5 | 278=100170 | 279=TRADING,ONLINE,1,2

**String to be passed for modifying SI/MCT Template along with check sum value:**

63=FT1.0 | 64=322 | 67=RESERVEDPG | 4=RESERVEDPG\_221201895021 | 201=HARDIK2402 | 202=H  
O | 228=TEMP5 | 278=100170 | 279=TRADING,ONLINE,1,2 | 999=002

**4.19 Update SI/MCT Template Response (WCF REST Service to Client)**

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 323
18	Response Code	Y	Response Code 0 – Failure 1 – Success
19	Response Message	O	Response Message

**Success Case-**

63=FT1.0 | 64=323 | 18=1 | 19=User Template update successfully

**FAILURE case –**

63=FT1.0 | 64=323 | 18=0 | 19=Error occurred, kindly contact administrator

**4.20 Auto Square Off Setting Request (Client to WCF REST Service)**

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	324
67	Reserved PG Dealer Id	Y	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Pass User Id
202	Group Id	Y	String (10)	Group Id of the user
203	Manager Id	Y	String (50)	This field will determine on which ODIN Manager user belongs to. This value should match the one in the ODIN Manager Settings screen in WebAdmin.
276	Periodicity	Y	Int64	In this pass Periodicity id for which data needs to update.  Periodicity id can be extracted from <a href="#">GetPeriodicityList</a> method.
280	MTM Pre-Auto Square off Percentage	O	Float	Value should be greater than equal to 0.01 and less than equal to 99.99
281	MTM Auto Square off Percentage	O	Float	Value should be greater than equal to 0.01 and less than equal to 99.99 0 value shall be treated for disable such option
282	Alert/trigger Auto Square off For MTM Breach	O	Short	0 for alert and 1 for trigger auto square off
283	Inactive User When MTM Triggers	O	Short	0 as unticked and 1 as ticked for inactive user
284	Margin Pre-Auto Square off %	O	Float	Value should be greater than equal to 0.01 and less than equal to 99.99 0 value shall be treated for disable such option
285	Margin Auto Square off %	O	Float	Value should be greater than equal to 0.01 and less than equal to 99.99 0 value shall be treated for disable such option
286	Alert/trigger Auto Square off For Margin Breach	O	Short	0 for alert and 1 for trigger auto square off
287	Inactive User When Margin Triggers	O	Short	0 as unticked and 1 as ticked for inactive user
288	Action	O	Short	1 – Add 2 – Modify 3 – Delete

999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed
227	Unique Reference Number	O	Unique Reference number which will be same as the one sent in the request	

**E.g.:**

**String to be passed for generating check sum:**

63=FT1.0|64=324|67=RESERVEDPG|4=RESERVEDPG\_221201895021|201=BHAIBT|202=HO|203=10.0.1.0|276=100170|276=8589934591|280=60.00|281=80.00|282=0|283=1|288=1

**String to be passed along with check sum value:**

63=FT1.0|64=324|67=RESERVEDPG|4=RESERVEDPG\_221201895021|201=BHAIBT|202=HO|203=10.0.1.0|276=100170|276=8589934591|280=60.00|281=80.00|282=0|283=1|288=1|999=002

#### 4.21 Auto Square Off Setting Response (WCF REST Service to Client)

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	325
18	Response Code	Y	Response Code 0 – Failure 1 – Success
227	Unique Reference Number	O	Unique Reference number which will be same as the one sent in the request
19	Response Message	O	Response Message

E.g.:

**SUCCESS case –**

63=FT1.0|64=325|18=1|227=110717001213|19=Template Added successfully

**FAILURE case –**

63=FT1.0|64=325|18=0|227=110717001213|19=Error occurred, kindly contact administrator

63=FT1.0|64=325|18=0|227=110717001213|19=Unable to connect to the remote server

In case When Net.Net Service is down then following error, message would show

63=FT1.0|64=325|18=0|227=110717001213|19=Unable to Connect to ODIN Manager

**4.22 Funds View Request (Client to WCF REST Service)**

This message is sent by the Client to the WCF REST Service to get the Funds view. The Service will validate the request based on the parameters sent and upon successful system will send the response back in string format. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 326
67	Reserved PG Dealer Id	O	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Session id generated by the system for each session. Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
276	<a href="#">Periodicity</a>	Y	Int64	In this pass Periodicity id for which data needs to extract.  Periodicity id can be extracted from <a href="#">GetPeriodicityList</a> method.
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed.  <b>Note: This tag should always be appended at the end of the request string.</b>

**E.g.:**

**String to be passed for generating check sum:**

63=FT1.0|64=326|67=RESERVEDPG|4=RESERVEDPG\_412201710722|201=HARDIK61|202=HO|276=8589934591

**String to be passed for creating retail user along with check sum value:**

63=FT1.0|64=326|67=RESERVEDPG|4=RESERVEDPG\_412201710722|201=HARDIK61|202=HO|276=8589934591|999=145

**4.23 Funds View Response (WCF REST Service to Client)**

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 327
18	Response Code	Y	Response Code 0 – Failure 1 – Success

19	Response Message	O	Response Message This contains key FundsView with below parameters as an array of JSON objects.
----	------------------	---	--

Parameter (Key)	Data Type	Description
sDescription	varchar (100)	<p>This column consists of the breakdown of the entire deposit assigned to the user. The different user deposit categories are divided as under: -</p> <ol style="list-style-type: none"> <li>1. Deposit                             <ol style="list-style-type: none"> <li>a. Cash Deposit</li> <li>b. Adhoc Deposit</li> <li>c. Overdraft Limit</li> <li>d. Notional Deposit</li> <li>e. Misc. Deposit</li> <li>f. Manual Collateral</li> </ol> </li> <li>2. Funds Transferred Today</li> <li>3. Funds withdrawal/Allocation</li> <li>4. Collateral                             <ol style="list-style-type: none"> <li>a. DP Collateral</li> <li>b. Pool Collateral</li> <li>c. SAR Collateral</li> <li>d. DP Pledged Collateral</li> <li>e. Pool Pledged Collateral</li> <li>f. Maximum Collateral Limit</li> </ol> </li> <li>5. Credit For Sale                             <ol style="list-style-type: none"> <li>a. DP Stock</li> <li>b. Pool Stock</li> <li>c. SAR Stock</li> <li>d. Maximum CFS Limit</li> </ol> </li> <li>6. Option CFS                             <ol style="list-style-type: none"> <li>a. Option CFS</li> <li>b. Maximum Option CFS</li> </ol> </li> <li>7. Total Trading Power Limit</li> <li>8. Multiplier</li> <li>9. Limit Utilization                             <ol style="list-style-type: none"> <li>a. Commodity Position</li> <li>b. Currency Position</li> <li>c. Derivative Position</li> <li>d. Equity Position</li> </ol> </li> <li>10. Booked Profit/Loss                             <ol style="list-style-type: none"> <li>a. Commodity Position</li> <li>b. Currency Position</li> <li>c. Derivative Position</li> <li>d. Equity Position</li> </ol> </li> <li>11. MTM Profit/Loss</li> </ol>

		<ul style="list-style-type: none"> <li>a. Commodity Position</li> <li>b. Currency Position</li> <li>c. Derivative Position</li> <li>d. Equity Position</li> </ul> 12. Total Utilization 13. Net Available Funds 14. For Trading For Allocation/Withdrawal
nTrading	float	This column consists of trading balance
sIndicator	varchar (100)	This column consists parent deposit category name.

E.g.:

**SUCCESS case –**

63=FT1.0 | 64=327 | 18=1 | 19={"FundsView

```
[{"sDescription": "Deposit", "nTrading": 9999999999.99, "sIndicator": "Deposit"}, {"sDescription": "Cash Deposit", "nTrading": 9999999999.99, "sIndicator": "Deposit"}, {"sDescription": "Adhoc Deposit", "nTrading": 0.00, "sIndicator": "Deposit"}, {"sDescription": "Overdraft Limit", "nTrading": 0.00, "sIndicator": "Deposit"}, {"sDescription": "Notional Deposit", "nTrading": 0.00, "sIndicator": "Deposit"}, {"sDescription": "Misc. Deposit", "nTrading": 0.00, "sIndicator": "Deposit"}, {"sDescription": "Manual Collateral", "nTrading": 0.00, "sIndicator": "Deposit"}, {"sDescription": "Funds Transferred Today", "nTrading": 0.00, "sIndicator": "Funds Transferred Today"}, {"sDescription": "Funds withdrawal/Allocation", "nTrading": 0.00, "sIndicator": "Funds withdrawal/Allocation"}, {"sDescription": "Collateral", "nTrading": 0.00, "sIndicator": "Collateral"}, {"sDescription": "DP Collateral", "nTrading": 0.00, "sIndicator": "Collateral"}, {"sDescription": "Pool Collateral", "nTrading": 0.00, "sIndicator": "Collateral"}, {"sDescription": "SAR Collateral", "nTrading": 0.00, "sIndicator": "Collateral"}, {"sDescription": "DP Pledged Collateral", "nTrading": 0.00, "sIndicator": "Collateral"}, {"sDescription": "Pool Pledged Collateral", "nTrading": 0.00, "sIndicator": "Collateral"}, {"sDescription": "Maximum Collateral Limit", "nTrading": 9999999999.99, "sIndicator": "Collateral"}, {"sDescription": "Credit For Sale", "nTrading": 0.00, "sIndicator": "Credit For Sale"}, {"sDescription": "DP CFS", "nTrading": 0.00, "sIndicator": "Credit For Sale"}, {"sDescription": "Pool CFS", "nTrading": 0.00, "sIndicator": "Credit For Sale"}, {"sDescription": "SAR CFS", "nTrading": 0.00, "sIndicator": "Credit For Sale"}, {"sDescription": "Maximum CFS Limit", "nTrading": 9999999999.99, "sIndicator": "Credit For Sale"}, {"sDescription": "Option CFS", "nTrading": 0.00, "sIndicator": "Option CFS"}, {"sDescription": "Option CFS", "nTrading": 0.00, "sIndicator": "Option CFS"}, {"sDescription": "Maximum Option CFS", "nTrading": 9999999999.99, "sIndicator": "Option CFS"}, {"sDescription": "Total Trading Power Limit", "nTrading": 9999999999.99, "sIndicator": "Total Trading Power Limit"}, {"sDescription": "Multiplier", "nTrading": 1.00, "sIndicator": "Multiplier"}, {"sDescription": "Limit Utilization", "nTrading": -148.14, "sIndicator": "Limit Utilization"}, {"sDescription": "Commodity Position", "nTrading": 0.00, "sIndicator": "Limit Utilization"}, {"sDescription": "Currency Position", "nTrading": 0.00, "sIndicator": "Limit Utilization"}, {"sDescription": "Derivative Position", "nTrading": 0.00, "sIndicator": "Limit Utilization"}, {"sDescription": "Equity Position", "nTrading": 0.00, "sIndicator": "Limit Utilization"}, {"sDescription": "Booked Profit/Loss", "nTrading": 0.00, "sIndicator": "Booked Profit/Loss"}, {"sDescription": "Commodity Position", "nTrading": 0.00, "sIndicator": "Booked Profit/Loss"}, {"sDescription": "Currency Position", "nTrading": 0.00, "sIndicator": "Booked Profit/Loss"}, {"sDescription": "Derivative Position", "nTrading": 0.00, "sIndicator": "Booked Profit/Loss"}, {"sDescription": "Equity Position", "nTrading": 0.00, "sIndicator": "Booked Profit/Loss"}, {"sDescription": "MTM Profit/Loss", "nTrading": 0.70, "sIndicator": "MTM Profit/Loss"}, {"sDescription": "Commodity
```

```
Position", "nTrading":0.00, "sIndicator": "MTM Profit/Loss"}, {"sDescription": "Currency
Position", "nTrading":0.00, "sIndicator": "MTM Profit/Loss"}, {"sDescription": "Derivative
Position", "nTrading":0.00, "sIndicator": "MTM Profit/Loss"}, {"sDescription": "Equity
Position", "nTrading":0.00, "sIndicator": "MTM Profit/Loss"}, {"sDescription": "Total
Utilization", "nTrading": -147.44, "sIndicator": ""}, {"sDescription": "Net Available
Funds", "nTrading": 99999999852.55, "sIndicator": ""}, {"sDescription": "For
Trading", "nTrading": 99999999852.55, "sIndicator": ""}, {"sDescription": "For
Allocation/Withdrawal", "nTrading": 99999999852.55, "sIndicator": ""}, {"sDescription": "MF
Position", "nTrading": 0.00, "sIndicator": "Limit Utilization"}]}
```

**FAILURE case -**

```
63=FT1.0 | 64=302 | 18=0 | 19= Error occurred, kindly contact administrator
63=FT1.0 | 64=302 | 18=0 | 19= User Id does not exist in the system
63=FT1.0 | 64=302 | 18=0 | 19= Unable to connect to the remote server
```

**4.24 Stock View Request (Client to WCF REST Service)**

This message is sent by the Client to the WCF REST Service to get the uploaded holding (DP, Pool & SAR), Collateral, etc. and today buy quantity under Delivery product. The Service will validate the request based on the parameters sent and upon successful system will send the response back in string format. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 328
67	Reserved PG Dealer Id	O	String (10)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Session id generated by the system for each session. Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed. <b>Note: This tag should always be appended at the end of the request string.</b>

**E.g.:**

**String to be passed for generating check sum:**

```
63=FT1.0 | 64=328 | 67=RESERVEDPG | 4=RESERVEDPG_412201710722 | 201=HARDIK61 | 202=HO
```

**String to be passed for Stock view along with check sum value:**

```
63=FT1.0 | 64=328 | 67=RESERVEDPG | 4=RESERVEDPG_412201710722 | 201=HARDIK61 | 202=HO | 999=145
```

**4.25 Stock View Response (WCF REST Service to Client)**

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 329
18	Response Code	Y	Response Code 0 – Failure 1 – Success
19	Response Message	O	Response Message This contains key StockView with below parameters as an array of JSON objects.

Column Name	Description
sDPAvailable	Available DP Quantity
sPOOLAvailable	POOL Available
sRecvAvailable	Available Receivable Quantity
sCurRecvAvailable	Current Receivable Available
TOTALQUANTITY	Total Available Quantity
sDPBlock	Blocked DP Quantity
sPOOLBlock	Pool Blocked
sRecvBlock	Blocked Receivable Quantity
sCurRecvBlock	Current Receivable Blocked
TOTALBLOCKQUANTITY	Total Blocked Quantity
sDPFree	Free DP Quantity
sPOOLFree	Pool Free
sRecvFree	Free Receivable Quantity
sCurRecvFree	Current Receivable Free
TOTALFREEQUANTITY	Total Free Quantity
nBuyAvgPrice	Buy Average Price
ISIN	ISIN
nMarketSegmentId	MarketSegment Id
nToken	Token
sSeries	Series
sSymbol	Symbol
POOLPriority	POOLPriority
OtherSegmentTokens	OtherSegmentTokens (Market Segment ID: Token, Market segmentID: Token) Example ACC in NSE and BSE (3:500410,1:22)
sShortSellQty	Short Sell Quantity
sTotalCollateralQty	Total Collateral Quantity
sCreditForSale	Credit for Sale
sTotalSecurityCollateral	Total Security Collateral

nPreferredMTMToken	Preferred Token for MTM used for broadcast to calculate MTM when Interop is ON
nPreferredMTMMarketSegmentId	Preferred Segment for broadcast when Interop is ON
nNSETradedSellQty	NSE Sell Qty
nBSETradedSellQty	NSE Sell Qty

**E.g.:**

```
63=FT1.0|64=329|18=1|19={"StockView":{"sDPAvailable":0,"sPOOLAvailable":0,"sRecvAvailable":5,"sCurRecvAvailable":0,"TOTALQUANTITY":5,"sDPBlock":0,"sPOOLBlock":0,"sRecvBlock":3,"sCurRecvBlock":0,"TOTALBLOCKQUANTITY":3,"sDPFree":0,"sPOOLFree":0,"sRecvFree":2,"sCurRecvFree":0,"TOTALFREEQUANTITY":2,"nBuyAvgPrice":17000.00,"ISIN":"INE154A01025","nMarketSegmentId":1,"nToken":1660,"sSeries":"EQ","sSymbol":"ITC","POOLPriority":1,"OtherSegmentTokens":"1:1660,8:500875","sShortSellQty":0,"sTotalCollateralQty":0,"sCreditForSale":466.00,"sTotalSecurityCollateral":407.00,"nPreferredMTMToken":1660,"nPreferredMTMMarketSegmentId":1,"nNSETradedSellQty":3,"nBSETradedSellQty":0},"sDPAvailable":0,"sPOOLAvailable":0,"sRecvAvailable":5,"sCurRecvAvailable":0,"TOTALQUANTITY":5,"sDPBlock":0,"sPOOLBlock":0,"sRecvBlock":0,"sCurRecvBlock":0,"TOTALBLOCKQUANTITY":0,"sDPFree":0,"sPOOLFree":0,"sRecvFree":5,"sCurRecvFree":0,"TOTALFREEQUANTITY":5,"nBuyAvgPrice":17000.00,"ISIN":"INE040A01034","nMarketSegmentId":1,"nToken":1333,"sSeries":"EQ","sSymbol":"HDFCBANK","POOLPriority":1,"OtherSegmentTokens":"1:1333,8:500180","sShortSellQty":0,"sTotalCollateralQty":0,"sCreditForSale":0.00,"sTotalSecurityCollateral":144000.00,"nPreferredMTMToken":1333,"nPreferredMTMMarketSegmentId":1,"nNSETradedSellQty":0,"nBSETradedSellQty":0},"sDPAvailable":10,"sPOOLAvailable":5,"sRecvAvailable":0,"sCurRecvAvailable":0,"TOTALQUANTITY":15,"sDPBlock":10,"sPOOLBlock":1,"sRecvBlock":0,"sCurRecvBlock":0,"TOTALBLOCKQUANTITY":11,"sDPFree":0,"sPOOLFree":4,"sRecvFree":0,"sCurRecvFree":0,"TOTALFREEQUANTITY":4,"nBuyAvgPrice":700.00,"ISIN":"INE059A01026","nMarketSegmentId":1,"nToken":694,"sSeries":"EQ","sSymbol":"CIPLA","POOLPriority":1,"OtherSegmentTokens":"1:694,8:500087","sShortSellQty":0,"sTotalCollateralQty":10,"sCreditForSale":0.00,"sTotalSecurityCollateral":10395.00,"nPreferredMTMToken":694,"nPreferredMTMMarketSegmentId":1,"nNSETradedSellQty":0,"nBSETradedSellQty":0},"sDPAvailable":0,"sPOOLAvailable":0,"sRecvAvailable":5,"sCurRecvAvailable":0,"TOTALQUANTITY":5,"sDPBlock":0,"sPOOLBlock":0,"sRecvBlock":0,"sCurRecvBlock":0,"TOTALBLOCKQUANTITY":0,"sDPFree":0,"sPOOLFree":0,"sRecvFree":5,"sCurRecvFree":0,"TOTALFREEQUANTITY":5,"nBuyAvgPrice":17000.00,"ISIN":"INE012A01025","nMarketSegmentId":1,"nToken":22,"sSeries":"EQ","sSymbol":"ACC","POOLPriority":1,"OtherSegmentTokens":"1:22,8:500410","sShortSellQty":0,"sTotalCollateralQty":0,"sCreditForSale":0.00,"sTotalSecurityCollateral":0.00,"nPreferredMTMToken":22,"nPreferredMTMMarketSegmentId":1,"nNSETradedSellQty":0,"nBSETradedSellQty":0}}
```

**4.26 EDIS Approved Quantity Update Request (Client to WCF REST Service)**

This message is sent by the Client to the WCF REST Service to get the approved EDIS Quantity. The Service will validate the request based on the parameters sent and upon successful system will send the response back in string format. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 338
67	Reserved PG Dealer Id	O	String (15)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Session id generated by the system for each session.

				Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
335	ScripDetails	Y	it should be JSON array with object with fields ISIN, Qty, Status. <b>e.g.:</b> - [{"ISIN":'INE205A01025', Qty:9, Status:'success'}]	Supported multi ISIN request by record separation with coma (,) between {} parentheses.
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed. <b>Note: This tag should always be appended at the end of the request string.</b>

**E.g.:**

**String to be passed for generating check sum:**

63=FT1.0 | 64=338 | 67=RESERVEDPG | 4=dKTQbyCgCrPFXQgDVapcPF38H4DA7HqqjUZhT Ds | 201=NITWR22 | 202=HO | 335=[{"ISIN":'INE467B01029', "Qty":'', "Status":'success'}, {"ISIN":'INE009A01021', "Qty":'10', "Status":''}]

**String to be passed for Edis approve quantity along with check sum value:**

63=FT1.0 | 64=338 | 67=RESERVEDPG | 4=dKTQbyCgCrPFXQgDVapcPF38H4DA7HqqjUZhT Ds | 201=NITWR22 | 202=HO | 335=[{"ISIN":'INE467B01029', "Qty":'', "Status":'success'}, {"ISIN":'INE009A01021', "Qty":'10', "Status":''}] 999=300

#### 4.27 EDIS Approved Quantity Update Response (WCF REST Service to Client)

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 339
18	Response Code	Y	Response Code 0 – Failure 1 – Success
19	Response Message	O	Response Message

**E.g.:**

**SUCCESS case –**

63=FT1.0 | 64=339 | 18=1 | 19=Quantity Updated successfully

**FAILURE case –**

63=FT1.0|64=339|18=0|19=Error occurred, kindly contact administrator

**4.28 Pledge Approved Quantity Update Request (Client to WCF REST Service)**

This message is sent by the Client to the WCF REST Service to get the approved Pledge Quantity. The Service will validate the request based on the parameters sent and upon successful system will send the response back in string format. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 340
67	Reserved PG Dealer Id	O	String (15)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Session id generated by the system for each session. Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
331	ScripDetails	Y	it should be JSON array with object with fields ISIN, Qty, Status. <b>e.g.:</b> - [{"ISIN": "INE205A01025", "Qty": 9, "Status": "success"}]	Supported multi ISIN request by record separation with coma (,) between {} parentheses.
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed. <b>Note: This tag should always be appended at the end of the request string.</b>

**E.g.:****String to be passed for generating check sum:**

```
63=FT1.0|64=340|67=RESERVEDPG|4=dKTQbyCgCrPFXQgDVapcPF38H4DA7HqqjUZhTDs|201=NITWR22|202=HO|331=[{"ISIN": "INE467B01029", "Qty": "", "Status": "success"}, {"ISIN": "INE009A01021", "Qty": "10", "Status": ""}]
```

**String to be passed for Pledge approve quantity along with check sum value:**

63=FT1.0 | 64=340 | 67=RESERVEDPG | 4=dKTQbyCgCrPFXQgDVapcPF38H4DA7HqqjUZhT  
Ds | 201=NITWR22 | 202=HO | 331=[{"ISIN":"INE467B01029","Qty":"","Status":"success"},{"ISIN":"INE009A01021","Qty":"10","Status":""}] 999=300

#### 4.29 Pledge Approved Quantity Update Response (WCF REST Service to Client)

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 341
18	Response Code	Y	Response Code 0 – Failure 1 – Success
19	Response Message	O	Response Message

E.g.:

##### **SUCCESS case –**

63=FT1.0 | 64=341 | 18=1 | 19=Quantity Updated successfully

##### **FAILURE case –**

63=FT1.0 | 64=341 | 18=0 | 19=Error occurred, kindly contact administrator

#### 4.30 Update Alternate Address (Client to WCF REST Service)

This message is sent by the Client to the WCF REST Service to update alternate address of the user. The Service will validate the request based on the parameters sent and upon successful system will send the response back in string format. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 346
67	Reserved PG Dealer Id	O	String (15)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Session id generated by the system for each session. Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
350	Address Type	O	Short	Address type: 1 - House 2 – Office 3 – Other
351	Address Line 1	O	String(40)	Address Line 1
352	Address Line 2	O	String(40)	Address Line 2
353	City	O	String(30)	City

354	State	O	String(30)	State
355	Country	O	String(20)	Country
356	PinCode	O	String(6)	PinCode
357	FaxNo	O	String(14)	FaxNo
358	TelePhoneNo	O	String(14)	TelePhoneNo
359	MobileNo	O	String(14)	MobileNo
360	Email	O	String(39)	Email
361	Address Type	O	Short	Address type: 1 - House 2 - Office 3 - Other
362	Address Line 1	O	String(40)	Address Line 1
363	Address Line 2	O	String(40)	Address Line 2
364	City	O	String(30)	City
365	State	O	String(30)	State
366	Country	O	String(20)	Country
367	PinCode	O	String(6)	PinCode
368	FaxNo	O	String(14)	FaxNo
369	TelePhoneNo	O	String(14)	TelePhoneNo
370	MobileNo	O	String(14)	MobileNo
371	Email	O	String(39)	Email
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed.  <b>Note: This tag should always be appended at the end of the request string.</b>

**E.g.:****String to be passed for generating check sum:**

63=FT1.0 | 64=346 | 67=RESERVEDPG | 4=1mDNjZyxwIXM6inDEDC4UOVHPH3wiBmkW1JvKQuLE | 201=C100TN61 | 202=HO | 350=1 | 351=puthenparambil | 352=Kottayam | 353=kottayam | 354=kerala | 355=india | 356=123456 | 357=123456789 | 358= | 359= | 360= | 361=1 | 362= | 363= | 364= | 365= | 366= | 367= | 368= | 369= | 370= | 371=

**String to be passed for DP Transfer quantity along with check sum value:**

63=FT1.0 | 64=346 | 67=RESERVEDPG | 4=1mDNjZyxwIXM6inDEDC4UOVHPH3wiBmkW1JvKQuLE | 201=C100TN61 | 202=HO | 350=1 | 351=puthenparambil | 352=Kottayam | 353=kottayam | 354=kerala | 355=india | 356=123456 | 357=123456789 | 358= | 359= | 360= | 361=2 | 362=2 | 363= | 364= | 365= | 366= | 367= | 368= | 369= | 370= | 371= | 999=070

**4.31 Update Alternate Address Response (WCF REST Service to Client)**

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 347
18	Response Code	Y	Response Code 0 – Failure 1 – Success
19	Response Message	O	Response Message

E.g.:

**SUCCESS case –**

63=FT1.0 | 64=347 | 18=1 | 19=Quantity Updated successfully

**FAILURE case –**

63=FT1.0 | 64=347 | 18=0 | 19=Error occurred, kindly contact administrator

**4.32 Create Participant Code Request (Client to WCF REST Service)**

This message is sent by the Client to the WCF REST Service for creating a Participant Code in ODIN and WebAdmin. The Service will validate the request based on the parameters sent and upon successful creation of Participant Code will send the response back in xml format. In case of failure it will send a failure response.

Tag	Field Name	Req'd	Data type (Max)	Comment
63	Message Version	Y	String (10)	Fixed Value – FT1.0
64	Message Type	Y	Integer	Fixed Value – 344
67	Reserved PG Dealer Id	Y	String (15)	Reserved PG Dealer Id
4	Session Id	Y	String (100)	Must be same as session id value recd. on logon response value
201	User Id	Y	String (10)	New Web Retail User Id
202	Group Id	Y	String (10)	Group Id of the user
245	Participant Code	Y	it should be JSON array with object with fields MarketsegmentId, Participantcode. <b>e.g.:-</b> [{"MarketsegmentId": "1", "Participantcode": "01494460IH"}, {"Ma	MarketsegmentId and Participantcode

			arketsegId": 2","Particip antcode": 0 16290806I L"},{"Market segId": 409 6","Particip antcode": "B IMLADEVIO 01"}]	
999	Check Sum Value	Y	Integer	Check Sum value generated based on the entire string passed.  <b>Note: This tag should always be appended at the end of the request string.</b>

E.g.:

**String to be passed for generating check sum:**

63=FT1.0|64=344|67=RESERVEDPG|4=viAfdzLiRR9ry9MCQYcGV2VErez02IRId7numPhfl|201=NITWR158|202=HO|245=[{"MarketsegId":"1","Participantcode":"01494460IH"}, {"MarketsegId":"2","Participantcode":"016290806IL"}, {"MarketsegId":"4096","Participantcode":"BIMLADEVIO01"}]|999=224

#### 4.33 Create Participant Code Response (WCF REST Service to Client)

Tag	Field Name	Req'd	Comment
63	Message Version	Y	Fixed Value – FT1.0
64	Message Type	Y	Fixed Value – 345
18	Response Code	Y	Response Code 0 – Failure 1 – Success
19	Response Message	O	Response Message

E.g.:

**SUCCESS case –**

63=FT1.0|64=345|18=1|19=Participant Code created/modified successfully

**FAILURE case –**

63=FT1.0|64=345|18=0|19=Error occurred, kindly contact administrator

63=FT1.0|64=345|18=0|19=Unable to connect to the remote server