**Scenario**

**for testing the interaction of exchange participants with the Bank of Russia Financial Messaging System (FMS) using the concurrent testing stand of the centralised sub-system of the FMS Message Exchange Centre**

Testing the interaction using the concurrent testing stand (CTS) is performed by Bank of Russia Financial Messaging System (FMS) participants through the exchange of financial messages with the FMS Message Exchange Centre (MEC). These messages shall be compiled in accordance with the then actual version of the ‘Album of Unified Formats of Electronic Banking Messages (Album of UFEBM). Exchange with Customers of the Bank of Russia’.

Financial messages to transfer funds (as part of FM envelopes) shall comply with the then actual SWIFT MT standard.

Testing is considered successful if all Scenario tests are passed with expected results. Passing clauses 3.1-3.6 is mandatory in case of connection to the tested service in accordance with the application to include information in the Directory of FMS Users.

| **No.** | **Message type in accordance with Album of UFEBM** | **Testing purpose** | **Expected results** | **Successful results** |
| --- | --- | --- | --- | --- |
| List of tests when connecting to the FMS | | | | |
| Testing for the correct functionality of transport and security tools and the authenticity of EMs by participant | | | | |
| 1.1 | ED599 Request-probe | Transmission of ED599 ‘Request-probe’ by FMS participant to MEC | Transmission of ED201 ‘Notice of EM (EM packet) control results’ with result code 2999 in item CtrlCode to FMS participant. | Receipt of ED201 with control result code 2999 ‘Successful verification of probe authenticity’ in item CtrlCode by FMS participant |
| Requests for regulatory and reference information | | | | |
| 2.1 | Transmission of ED573 ‘Request for the Directory of the Users of the Financial Messaging System of the Bank of Russia’ | Transmission of ED573 by FMS participant to MEC | Transmission of ED574 ‘Information of the Directory of the Users of the Financial Messaging System of the Bank of Russia’ to FMS participant | Receipt of ED574 with information on all FMS users by FMS participant |
| 2.2 | Transmission of ED512 ‘Instruction for management of the elements of the users of the Financial Messaging System of the Bank of Russia’ | Transmission of ED512 by FMS participant to MEC. Contains an instruction to manage details of FMS users | Transmission of ED574 to FMS participant | Receipt of ED574 (‘Directory type’ item (DictionMode = 3 after adjustment) by FMS participant. EM contains only changes to the Directory related to the FMS participant from whom ED512 was received and processed. |
| Receipt and execution of financial messages[[1]](#footnote-1) | | | | |
| 3.1 | Transmission of ED501 ‘Envelope for EMs in proprietary formats of electronic exchange participants’ | Transmission of ED501 by FMS participant to MEC. Contains EM with information established by bilateral information interaction protocol between the sender and the recipient. | Transmission of ED508 with information on EM status to FMS participant. | Receipt of ED508 with information on EM status by FMS participant. If control is successful, MEC sends ED501 to recipient |
| 3.2 | Transmission of ED503 ‘Envelope for transfer of financial messages’ | Transmission of ED503 by FMS participant to MEC. Contains financial messages about funds transfer | Transmission of ED508 with information on EM status to FMS participant. | Receipt of ED508 with information on EM status by FMS participant. If control is successful, MEC sends ED503 to FMS participant |
| 3.3 | Transmission of ED504 ‘Envelope for transmission of financial messages in the format TSLC’ | Transmission of ED504 by FMS participant to MEC  Contains messages in TSLC format | Transmission of ED505 with information on EM status to FMS participant. | Receipt of ED505 with information on EM status by FMS participant. If control is successful, MEC sends ED504 to FMS participant |
| 3.4 | Transmission of ED506 ‘Envelope for transmission of financial messages in the format ISO’ | Transmission of ED506 by FMS participant to MEC. Contains messages in ISO 20022 format | Transmission of ED507 with information on EM status to FMS participant. | Receipt of ED507 with information on EM status by FMS participant. If control is successful, MEC sends ED506 to FMS participant |
| 3.5 | Transmission of ED509 ‘Envelope for transfer of trade transaction messages of legal entities in ISO TS format’ | Transmission of ED509 by FMS participant to MEC. Contains messages in ISO 20022 format | Transmission of ED507 with information on EM status to FMS participant. | Receipt of ED507 with information on EM status by FMS participant. If control is successful, MEC sends ED509 to FMS participant |
| 3.6 | Transmission of ED513 ‘Envelope for transfer of ISO CTCCR format messages for currency control purposes‘ | Transmission of ED513 by FMS participant to MEC. Contains messages in ISO 20022 format | Transmission of ED507 with information on EM status to FMS participant. | Receipt of ED507 with information on EM status by FMS participant. If control is successful, MEC sends ED513 to FMS participant |
|  |  |  |  |  |
| Receipt and execution of electronic service and information messages (ESIMs) | | | | |
| 4.1 | Transmission of ED540 ‘Request for information on EMs transferred/received’ | Transmission of ED541 by FMS participant to MEC | Transmission of ED541 to FMS participant  ‘Information on EMs transferred/received’ containing a list of EMs  transferred/received during an operation day | Receipt of ED541 by participant |
| 4.2 | Transmission of ED542 ‘Request for the repeated receipt of the message’  that is compiled and transmitted to MEC by participant in order to receive once again all messages sent by MEC to the participant | Transmission of ED542 by FMS participant to MEC | Transmission of EM, a specific type of EM depending on the request type *(RepeatReceptInqCode)* specified in ED542 | Receipt of requested EMs by FMS participant |

1. In order to be able to send and receive ED501, ED503, ED504, ED506, ED509, ED513 FMS participant must interact with its correspondents that are FMS participants without Bank of Russia intermediation. [↑](#footnote-ref-1)