BANQUE DU LIBAN

Basic Circular No 127

Addressed to Banks and to Financial Institutions

Attached is a copy of Basic Decision No 11081 of June 27, 2012, relating to the Real Time Gross Settlement System (BDL-RTGS).

Beirut, June 27, 2012

The Governor of Banque du Liban

Riad Toufic Salamé

Basic Decision No 11081

Real Time Gross Settlement System (BDL-RTGS)

The Governor of Banque du Liban;
Pursuant to the Code of Money and Credit, notably Article 70 thereof;
Pursuant to Law No 133 of October 26, 1999 on the General Mission of Banque du Liban;
As part of BDL strategy for the development of Payment Systems in Lebanon in conformity with international standards;
Following the establishment of the Real Time Gross Settlement System at Banque du Liban;
Following the successful experimental phases of BDL-RTGS with the participants, and
Pursuant to the Decision taken by BDL Central Council in its meeting of June 20, 2012,

Decides the following:

Article 1:

Banque du Liban shall operate and manage the Real Time Gross Settlement System for domestic settlement (hereinafter "BDL-RTGS").

Article 2:

Banks and financial institutions participating in "BDL-RTGS" (hereinafter the "Participants") must comply with the rules and procedures attached to this Decision.

Article 3:

The "BDL-RTGS" established at Banque du Liban shall be operational as of Monday July 9, 2012 at 8 am.

Article 4:

The General Ledger of "BDL-RTGS" shall open daily from 8 am to 4 pm, except for Friday and Saturday where it shall close at 1 pm.

Article 5:

Participants may not cancel their funds settlement instructions, once they are executed in the "BDL-RTGS".

Article 6:

Following the closing of the General Ledger of July 6, 2012, all current accounts opened at BDL branches and all securities clearing accounts held by Participants shall be closed. The balances of these accounts shall be transferred to the current accounts opened at BDL main branch in Beirut and used as settlement accounts within "BDL-RTGS", according to the currency of each such account.

Article 7:

Participants should cancel all funds settlement instructions sent before July 9, 2012 bearing a value date of or posterior to July 9, 2012, and then re-enter these instructions in "BDL-RTGS".

Article 8:

BDL branches shall continue to accept Participants' cash deposits and withdrawals, without any modification to the currently adopted rules and procedures, provided the settlement is executed on the Participants' current accounts at BDL main branch in Beirut.

Article 9:

Banque du Liban shall suspend the issuing of paper-form notices related to the execution of funds settlement instructions that shall be replaced with electronic notices issued through "BDL-RTGS".

Article 10:

The expenses, participations and commissions fees charged for the participation in, and the use of "BDL-RTGS" shall be set by the Governor of Banque du Liban.

Article 11:

Each Participant shall bear the responsibility of fulfilling the obligations specified in the rules and procedures attached to this Decision, particularly the responsibility deriving from the funds settlement instructions issued by the Participant and already settled through "BDL-RTGS".

Article 12:

The provisions related to intraday liquidity facilities, as specified in the rules and procedures attached to this Decision, shall apply following Banque du Liban issuance of a decision specifying the detailed implementation mechanism of these provisions.

Article 13:

Any regulatory texts that contradict the provisions of this Decision and the attached rules and procedures shall be considered as null and void.

Article 14:

This Decision shall be effective upon its issuance.

Article 15:

This Decision shall be published in the Official Gazette.

Beirut, June 27, 2012

The Governor of Banque du Liban

Riad Toufic Salamé

NATIONAL PAYMENT SYSTEM

Real Time Gross Settlement System
'BDL-RTGS'

Rules and Procedures

Attached to BDL Basic Decision No. 11081 dated 27/6/2012.

'BDL-RTGS' *Rules and Procedures*

1. Scope

This document includes the rules and procedures of the domestic Real Time Gross Settlement System established at Banque Du Liban in accordance with the powers vested to it by virtue of the Code of Money and Credit Decree No. 13513.

1.1. The Real Time Gross Settlement System established at Banque Du Liban shall be named BDL-RTGS.

1.2. The BDL shall operate the BDL-RTGS and oversee that Participants abide by the applicable rules and regulations.

1.3. The BDL-RTGS is a domestic funds transfer system whereby Participants can send or receive single FSIs to and from each other. FSIs are settled on a gross basis and in a real time manner provided that Participants have sufficient funds or credit facilities. The BDL-RTGS offers the Participants secure, reliable and real time method of payment that adheres to international standards.

1.4. These rules and procedures shall govern the operations of Participants in the BDL-RTGS. Any Participant failing to abide by these rules and procedures shall be subject to applicable sanctions as defined in the Code of Money and Credit and BDL regulations. Any loss relating to fraud, operational misconduct or dishonesty by a Participant is borne by such Participant.

'BDL-RTGS' *Rules and Procedures*

2. Definitions

Acronym/Term	Definition
Administrator or ADM	means the administrator appointed by each Participant to assign the access rights and roles to enable the users to assume their roles in the BDL-RTGS.
Authorized Settlement Agent or ASA	means an agent that can settle on behalf of one or more Participant in the BDL-RTGS.
BDL-CLEAR	means the Automated Clearing House System established at BDL.
BDL-PAYGOV	means the Government Payment System established at BDL.
Beneficiary	means a recipient of the funds.
Business Identification Code or BIC	means a unique code allocated by SWIFT to each Participant and serving to identify the Participant in the BDL-RTGS.
Concurrent Batches	means the batches uploaded by the ASA to be settled by the Participants according to previously granted authorization to debit and credit Participants Settlement Accounts. These include: Automated Teller Machines (ATM), Point of Sale (POS) and cheques settlement operations and commissions and charges levied by the BDL. Midclear shall be involved in uploading concurrent batches for the purpose of settling dividends and other transactions.
Conditional Release Mechanism or CRM	means the mechanism that ensures that the conditions set for any FSI are met in order to process the FSI and release it either to the RTM or the LOM depending on the mechanism for which it was submitted.
Domestic Lebanese Payments or DLP	means the Domestic Lebanese Payment, the closed user group requested by BDL and created by SWIFT. DLP is established to provide FIN Y-Copy settlement services with BDL acting as the Administrator.
Funds Settlement Instruction or FSI	means a payment instruction initiated by a Participant to transfer funds to the account of another Participant through the BDL-RTGS .
Funds Settlement Value Date or FSVD	means the value date on which an FSI is to be settled through the BDL-RTGS.
Intra Account Transfer Instruction or IATI	means an instruction that allows Participants to transfer funds between their corresponding RTM account and/or LOM accounts per currency. IATI may also be utilized to transfer funds from a specific LOM to another.

'BDL-RTGS' *Rules and Procedures*

Acronym/Term	Definition
Liquidity Optimizing Settlement Mechanism or LOM	means the Liquidity Optimizing Settlement Mechanism that provides queuing of FSIs in the BDL-RTGS or for settlement of specific transactions.
National Payment System or NPS	means the National payment System comprising the BDL-RTGS, BDL-CLEAR and BDL-PAYGOV.
Receiver Information Code or REC Code	means the receiver information code regarding transaction type, used to identify the underlying payment type of an FSI.
Real Time Settlement Mechanism or RTM	means the Real Time Mechanism that enables the Participant to release an FSI for immediate settlement without having to queue.
Settlement Account	means a Participant current account held at BDL that is used for settlement in the BDL-RTGS.
Secure Information Technology Infrastructure or SITI	means a secure network to be utilized in contingency and emergency cases whenever a Participant is unable to connect to SWIFT network.
Technical Infrastructure Agent or TIA	means the technical infrastructure agent that executes payments on behalf of Participants in cases of emergencies.
Web-Client	means the web application whereby Participants interact with BDL-RTGS in order to utilize the functions available in the BDL-RTGS as indicated in these rules and procedures.

'BDL-RTGS' *Rules and Procedures*

3. Membership, Connectivity and Technical Requirements

3.1. A Participant in the BDL-RTGS should maintain a current account on the books of BDL reflected by one Settlement Account in the BDL-RTGS per applicable currency

3.2. Subject to the BDL discretion, participation of all banks, Automated Teller Machines (ATM) switches and Midclear, the Central Securities Depository in Lebanon, is mandatory in the BDL-RTGS. Participating banks are listed in Appendix 1.

3.3. Participation of financial institutions in the BDL-RTGS is not mandatory. A financial institution with a current account at BDL may opt to become a Participant in the BDL-RTGS. Participating financial institutions are listed in Appendix 2.

3.4. All Participants shall have relevant systems, procedures and trained staff in order to meet the requirements and criteria set by BDL for the participation in the BDL-RTGS. Participants shall keep their systems updated and in synchronization with BDL required specifications.

3.5. Accounts opened at BDL by Participants shall be governed by the account opening agreements signed with BDL.

3.6. The BDL shall have full authority to suspend a Participant from the BDL-RTGS, temporarily or permanently, if (i) the Participant license is revoked by BDL; (ii) the Participant fails to comply with these rules and

procedures; or (iii) BDL deems appropriate. In such situations, execution of pending FSIs shall be automatically cancelled and BDL shall not be held responsible for such cancellation.

3.7. Except where a Participant is a bank, a Participant shall have the right to request withdrawal from the BDL-RTGS by giving a written notice to this effect at least 45 days in advance to BDL. For the withdrawal to be effective, the Central Council of the BDL should provide its approval.

3.8. Prior to connecting to the BDL-RTGS, new Participants shall complete the BDL-RTGS mandatory business cases and test scenarios as provided by the BDL. Technical requirements for new Participants shall also be provided by BDL.

3.9. The primary connection to the BDL-RTGS is via Swift Message Carrier Network. Each participant should have a SWIFT Business Identification Code (BIC8) as a unique identifier in the BDL-RTGS. This BIC8 is connected to the Settlement Account in the BDL-RTGS.

3.10. SITI shall be used to access the BDL-RTGS solely in case of any failure in the SWIFT Network or SWIFT connectivity at the level of the Participant. In such cases, the Participant must duly notify BDL of the contingency situation.

3.11. Settlement of the BDL-CLEAR transactions are carried out within the BDL-RTGS and affected on the Settlement Accounts.

'BDL-RTGS' *Rules and Procedures*

3.12. Any Participant in the BDL-RTGS shall be able to send and receive FSIs to the members of BDL-PAYGOV through the BDL-RTGS.

4. Role of BDL

4.1. BDL shall act as the settlement provider of the BDL-RTGS. BDL will operate and administer the BDL-RTGS and maintain the Settlement Accounts for the BDL-RTGS Participants.

4.2. BDL shall act as a settlement bank within the BDL-RTGS.

4.3. BDL shall have the following BIC Code within the BDL-RTGS: BDLCLBBX.

4.4. BDL may act as an ASA. As an ASA, BDL can generate and submit FSIs on behalf of Participants in the BDL-RTGS to further ensure business continuity in the BDL-RTGS. BDL can also generate and submit Concurrent Batches that the Participants are required to settle in the BDL-RTGS.

4.5. BDL is the Technical Infrastructure Agent in the BDL-RTGS and other components of the National Payment System. The TIA is merely an infrastructure provider.

4.6. All FSIs submitted by the Participants manually via Web-Client shall reach the BDL-RTGS specifying as *sender* BDLCLBBXTIA and as *originator* the Participant BIC. The Participant Settlement Account will be debited and all SWIFT notifications will be sent back to BDLCLBBXTIA.

'BDL-RTGS' *Rules and Procedures*

4.7.   BDL shall not be held responsible for any non-execution, suspension, erroneous or delayed execution of any FSI, which *inter alia*, is caused by a Participant or any third party.

5.   Accounts and Accounts Structure

5.1.   The current accounts in the BDL General Ledger shall be considered the Settlement Accounts of the Participants in the BDL-RTGS. Each Participant shall have one Settlement Account per currency. The Settlement Account shall have sub-settlement accounts created in the BDL-RTGS but not reflected on BDL General Ledger, known as LOM accounts.

5.2.   A loan account per currency shall be maintained within the BDL-RTGS for each Participant that is eligible for credit extension/facility. The BDL-RTGS will automatically update the loan account each time a credit extension/facility is used or repaid.

5.3.   Participants can transfer funds between their own accounts as specified in 5.4 below, using system generated Intra-Account Transfer Instructions at any specified time or event during the operating hours of the BDL-RTGS. IATIs are executed by default via Web-Client; however they can also be conducted via SWIFT, as described in Appendix 3.

5.4.   Under Section 5.3, funds may be transferred by a Participant only in the same currency and solely (i) between its Settlement Account and its sub-ledger LOM accounts or (ii) between LOM accounts.

'BDL-RTGS' *Rules and Procedures*

6. Currencies

6.1. Participants may send FSIs through the BDL-RTGS in four currencies: LBP, USD, Euro, GBP and in accordance with applicable BDL regulations, including inter alia, cheque clearing, Automated Teller Machines (ATM) and Point of Sale (POS) clearing and settlement.

7. Operational Guidelines and Schedule

7.1. BDL-RTGS security is a priority to BDL. BDL shall setup all the Participants in the BDL-RTGS and provide them with the proper security tools designated by BDL to be used while accessing the BDL-RTGS. BDL will assign Participant Administrators and/or users, as nominated by the Participants themselves using the form attached as Appendix 4.

7.2. The "Standard Operating Schedule" of the BDL-RTGS is described in Appendix 5. Any change in the "Actual Operating Schedule" shall be notified to the Participants. BDL requires that changes in the "Standard Operating Schedule" or the "Actual Operating Schedule" be acknowledged by the Participants on the BDL-RTGS.

7.3. Unscheduled or unexpected holidays are operating days that have suddenly been announced as non-working days. A change of a working day into a non-working day shall result in a notification to the Participants.

'BDL-RTGS' *Rules and Procedures*

7.4. All diarized FSIs of the unscheduled or unexpected holidays are rolled over to the next working day automatically by the BDL-RTGS. The Participants shall have the right to delete/remove any diarized FSI prior to its settlement**.** On any unscheduled or unexpected holiday, the General Ledger shall not be updated.

7.5. Two types of windows are defined by BDL in the "Standard Operating Schedule": the System Control Windows and the Provider-Defined Windows. BDL shall have the right to change the schedule of these windows anytime it deems appropriate. Provider-Defined Windows are windows that are defined by BDL and used to influence the settlement behavior of the Participants. System Control Windows and Provider-Defined Windows are defined in Appendix 6.

7.6. The "Standard Operating Schedule" specifies the list of events as identified in the BDL-RTGS. Events are associated with the starting or stopping of relevant system processes in order to enable or disable the Participant and the Administrator to interface with the BDL-RTGS**.** BDL, as the settlement provider defines the time of each event. Provider-Defined events are used for specific business reasons and are included in the "Standard Operating Schedule". A complete list of events included in the BDL-RTGS is found in Appendix 7.

'BDL-RTGS' *Rules and Procedures*

7.7. Real Time Settlement Mechanism in the BDL-RTGS is used for FSIs requiring immediate settlement. FSIs are submitted without priority in the RTM whereby settlement is done on a real time basis. When an FSI is submitted through the RTM, such FSI cannot be amended to settle through the LOM. In case of insufficient funds and if no credit facility is available, an FSI is discarded immediately. For an FSI to settle through the RTM, it should be in one of the following two message types: (i) *MT103* or (ii) *MT202.*

7.8. There are several Liquidity Optimizing Settlement Mechanisms in the BDL-RTGS. BDL shall have the right to add or remove LOMs whenever it deems necessary. LOM accounts are sub-ledgers of the Settlement Account of a Participant, per currency. Settlement through the LOM is based on a queuing mechanism whereby queued FSIs are settled on a first in first out (FIFO) basis. Priorities and sequence of queued FSIs can be changed, thus bypassing the first in first out (FIFO) basis. The total available balances of the LOM accounts of a Participant are automatically transferred to such Participant Settlement Account by the BDL-RTGS at the end of the day or cut-off event of a LOM. A detailed list of LOM accounts, with their operational schedule and detailed characteristics is attached as Appendix 8.

7.9. BDL-RTGS allows Participants to set conditions on each FSI prior to its release. When such condition that prevented the FSI from being released is met, the FSI is released either to the RTM or the LOM,

depending on the mechanism for which the FSI was submitted to. This mechanism is referred to as the CRM.

7.10. BDL-RTGS allows for diarization of any FSI up to 8 days using both RTM and LOM settlement mechanisms.

7.11. Under BDL-RTGS, the Participants shall refrain from:

- Sending FSIs with a back value date;

- Including the name of third party Beneficiary in the FSI when such beneficiary is not a Participant;

- Including decimal figures in LBP FSIs;

- Diarizing FSIs more than 8 days;

- Issuing FSIs with value date set as a non-working date such as holidays or the 31st of December;

- Issuing any FSI with no REC code; and

- Issuing FSIs that have duplicate originator reference codes.

7.12. Each FSI shall include a Receiver Information Code, as detailed in Appendix 9, that define the FSI routing through the RTM or the LOM.

7.13. The BDL-RTGS is a message based system. All messages are divided into incoming and outgoing messages whereby each message is logged in the BDL-RTGS and recorded.

'BDL-RTGS' *Rules and Procedures*

7.14. All Participants should be members of the closed user group for the BDL-RTGS, named Domestic Lebanese Payments, created by SWIFT for the implementation of FIN Y-copy service in order for the FSIs to be valid within the BDL-RTGS.

7.15. All FSIs shall be in SWIFT format and shall be verified and validated by the BDL-RTGS. Messages must adhere to international standards and SWIFT rules with regard to the fields and tags of the SWIFT message.

7.16. Each Participant is responsible for transmitting correct message details.

7.17. Every Participant is responsible for funding its Settlement Account in the BDL-RTGS.

7.18. Credit facilities may be extended to Participants in applicable currencies. The credit limit of such facilities shall be set by BDL subject to Participants providing adequate collateral in the form of securities, certificates of deposit, BDL deposits or other similar form of collateral accepted by the BDL. BDL may decide, upon its discretion, not to grant any credit facility to a Participant.

7.19. The Participant shall repay at any time during the day or at the end of the day the full balance of the credit facility provided to it during that day. At the end of the day, the BDL-RTGS automatically debits the Participant Settlement Account with the amount of the credit facility utilized during the

day, using the available balance. If however, the available balance is below the amount of funds utilized under the credit facility and/or if the Participant fails to repay the credit facility to BDL at the end of day, the amount of the credit facility utilized and unpaid shall be considered an overnight credit facility, bearing charges and interest as set by BDL. Intraday credit facilities shall be free of charge.

7.20. Participants are allowed to access all BDL authorized reports. Enquiries or Ad-hoc reports available in the BDL-RTGS are extensive and extend to cover most of the BDL-RTGS in terms of management information, functionality parameters and financial details. A Participant can choose to receive any or none of the reports depending on its preferences. Participants can maintain standard reports parameters that are end of day reports and are automatically generated by the BDL-RTGS at the finalization window.

7.21. Notifications that affect the BDL-RTGS as a whole shall be broadcasted through the BDL-RTGS to all Participants. Notifications for FSIs initiated and routed via SWIFT shall be returned via SWIFT and Web-Client. However, FSI notifications for operations initiated on the Web-Client shall be received via Web-Client only.

'BDL-RTGS' *Rules and Procedures*

8. Charges and Fees

8.1.   A membership fee shall be charged monthly on all Participants. Such membership fee shall be in LBP and decided by BDL upon its discretion based on transparent criteria.

8.2.   A SWIFT flat fee is charged for each message sent to the BDL-RTGS, payable to SWIFT by the Participant initiating the message.

8.3.   BDL charges an additional operational fee per FSI separate from the fee levied by SWIFT.

8.4.   Charges are collected at the end of each month and are applied on the validated FSIs irrespective of whether they are successful or not.

9. Contingency

9.1.   In case of any malfunction, breakdown, interruption or emergency affecting the BDL-RTGS, transactions shall be handled by BDL upon its discretion, which may place the BDL-RTGS in contingency mode.

9.2.   During the contingency mode, FSIs shall be issued via Web-Client using SITI, not via SWIFT. For all FSIs routed via the TIA using SITI, notifications shall be returned to the TIA via SITI. During the contingency mode, copies of the MT012 and MT019 messages shall be available on the Web-Client.

'BDL-RTGS' *Rules and Procedures*

9.3.   BDL shall supply the Participants with the relevant security smart cards in order to access SITI.

9.4.   Details of the contingency mode and operations are described in Appendix 10.

'BDL-RTGS' *Rules and Procedures*

List of Appendices

- **Appendix 1: List of Participating Banks**

- **Appendix 2: List of Participating Financial Institutions**

- **Appendix 3: IATIs & Message Routing Codes (MRTs)**

- **Appendix 4: Nomination of BDL-RTGS Administrators and Users**

- **Appendix 5: Standard Operating Schedule**

- **Appendix 6: System Windows in the BDL-RTGS**

- **Appendix 7: BDL-RTGS Events**

- **Appendix 8: LOM Accounts in BDL-RTGS**

- **Appendix 9: REC Codes**

- **Appendix 10: Contingency Mode and Operations**

Appendix 1
List of Participating Banks in the BDL_RTGS

#	Participant Name	Registration Number	BIC
	Participant Banks		
1	Fransabank - S.A.L.	001	FSABLBBX
2	Banque Misr Liban SAL	003	BMISLBBE
3	Arab Bank Plc.	005	ARABLBBX
4	HSBC Bank Middle East Limited	007	BBMELBBX
5	Rafedein Bank.	009	RAFBLBBE
6	Banque Libano Francaise SAL	010	BLFSLBBX
7	B.L.C. Bank S.A.L.	011	LICOLBBX
8	Near East Commercial Bank SAL	012	NECBLBBE
9	BLOM Bank S.A.L.	014	BLOMLBBX
10	Federal Bank Of Lebanon SAL	016	FBLELBBX
11	Saudi National Commercial Bank	017	SNCBLBBE
12	Societe Generale De Banque Au Liban SAL	019	SGLILBBX
13	BANKMED SAL	022	MEDLLBBX
14	Audi Saradar Private Bank S.A.L.	027	BSARLBBX
15	BBAC S.A.L	028	BBACLBBX
16	Audi Saradar Investment Bank S.A.L.	033	AUSILBBE
17	Syrian Lebanese Commercial Bank	034	SYLCLBBE
18	Banque Pharaon Et Chiha S.A.L.	035	BPHCLBBE
19	Banque De Credit Nationale S.A.L.	036	BCNBLBBE

Appendix 1
List of Participating Banks in the BDL_RTGS

#	Participant Name	Registration Number	BIC
	Participant Banks		
20	Byblos Bank S.A.L.	039	BYBALBBX
21	Banque De L'Habitat S.A.L	041	LHBALBBX
22	Finance Bank S.A.L	043	FBLBLBBX
23	Banque De L'Industrie Et Du Travail SAL	048	BTLVLBBE
24	IBL Bank S.A.L	052	INLELBBE
25	Credit Libanais S.A.L.	053	CLIBLBBX
26	Banque Audi S.A.L. - Audi Saradar Group	056	AUDBLBBX
27	Fenicia Bank S.A.L.	058	BKAWLBBE
28	North Africa Commercial Bank SAL	062	NACBLBBE
29	Lebanese Swiss Bank S.A.L	063	LEBSLBBX
30	Banque de Syrie et du Liban SAL	068	SONBLBBE
31	National.Bank of Kuwait (Lebanon) SAL	073	NBOKLBBE
32	Bank Of Beirut S.A.L.	075	BABELBBE
33	Jammal Trust Bank S.A.L	080	JTBKLBBE
34	AHLI International Bank S.A.L	084	JNBBLBBE
35	Habib Bank Limited	085	HABBLBBE
36	Arab African International Bank	090	ARAILBBE
37	Emirates Lebanon Bank S.A.L	092	ELBKLBBX

Appendix 1
List of Participating Banks in the BDL_RTGS

Participant Banks			
#	Participant Name	Registration Number	BIC
38	Bank Bemo S.A.L.	093	EUMOLBBE
39	Lebanon & Gulf Bank S.A.L	094	LGBALBBE
40	Saudi Lebanese Bank S.A.L	095	SLBLLBBX
41	Standard Chartered Bank S.A.L	098	SCBLLBBE
42	Al_Mawarid Bank S.A.L.	101	MABALBBE
43	Creditbank S.A.L.	103	CBCBLBBE
44	First National Bank Sal.	108	FINKLBBE
45	Al Baraka Bank	109	ALCVLBBE
46	MEAB S.A.L.	110	BAMOLBBE
47	BlomInvest Bank S.A.L.	111	BLINLBBE
48	MedInvestment Bank S.A.L	113	MIBLLBBX
49	Credit Libanais Investment Bank SAL	114	LIBNLBBE
50	Citibank N.A.	115	CITILBBE
51	Fransa Invest Bank S.A.L (FIB)	121	FRAILBBE
52	Byblos Invest Bank SAL	123	BYBILBBX
53	Arab Finance House SAL (Islamic Bank)	125	AFHOLBBE
54	Lebanese Islamic Bank S.A.L	126	LIBBLBBE
55	BLOM Development Bank	127	BDBLLBBE
56	Gazprom Bank-Invest (Mena) S.A.L.	128	GAZPLBBE

Appendix 1
List of Participating Banks in the BDL_RTGS

	Participant Banks		
#	Participant Name	Registration Number	BIC
57	FFA S.A.L.(Private Bank)	129	FFAILBBE
58	Bank Of Beirut Invest Sal	130	BOBPLBBE
59	Bank Of Baghdad (Private S.A.C.O)	132	BABILBBE
61	CSC Bank S.A.L.	133	CCSCLBBE
62	Al-Bilad Islamic Bank for Investment & Finance P.S.C.	134	AIIFLBBE
63	IBL Investment Bank SAL	135	IBLVLBBE
64	Qatar National Bank (Qatari Societe Anonyme)	136	QNBALBBE
65	Cedrus Invest Bank S.A.L.	137	CIBXLBBE

Appendix 2
List of Participating Financial Institutions in the BDL_RTGS

Financial Institutions			
#	Participant Name	Registration Number	BIC
1	MIDCLEAR	400	MIDRLBBE
2	Credit Commercial Et Foncier S.A.L.	405	CCFXLBBE
3	Societe Financiere Du Liban S.A.L.	408	LISFLBBE
4	FIDUS S.A.L.	410	FIDRLBBX
5	Middle East Capital Group S.A.L.	419	MECXLBBE
6	Credit Financier	426	CRFCLBBE
7	Kafalat	427	KAFALBBE
8	Credit Financier Invest	440	CEFVLBBE
9	MENA Invest	464	MENALBBE
10	Optimum Invest	709	OPTILBBE

Appendix 3
Message Routing Codes –IATIs MRTs using SWIFT

The Receiver of the Intra Account Transfer Instruction is **RTGS BIC. i.e. BDLCLBBA**
REC code for Intra Account Transfers is Mandatory : **/REC/ INTRA** as well as the MRT tag.

Below are the MRT Tags to be listed in field 72: of the SWIFT Message per the kind of Intra Account Transfer needed:

Message Routing Codes (MRT)	Instruction Description	Remarks
FMT0	Domestic Currency Intra-account transfer instruction (RTM to LOM)	Field 58A: should include the credited LOM account number.
LMT0	Domestic Currency Intra-account transfer instruction (LOM to RTM)	
LMT1	Domestic Currency Intra-account transfer instruction (LOM to LOM)	**/PLM/** tag should be added with the debited LOM number. Field 58A: should include the credited LOM account number.
FFT0	Foreign Currency Intra-account transfer instruction (RTM to LOM)	
LFT1	Foreign Currency Intra-account transfer instruction (LOM to LOM)	**/PLM/** tag should be added with the debited LOM number. Field 58A: should include the credited LOM account number.
LFT0	Foreign Currency Intra-account transfer instruction (LOM to RTM)	

Appendix 3
Message Routing Codes –IATIs MRTs using SWIFT

Below are the Mandatory Tags to be listed in Field 72: in order to specify the Transfer Option and Amount in the SWIFT Message:

Transfer Option Tag	Description	Remarks
/TFO/A	Exact amount, utilize credit	Amount Specified in field :32:A
/TFO/D	Exact amount, no credit	Amount Specified in field :32:A
/TFO/F	Maximum available amount, utilize credit	Amount Specified in field :32:A
/TFO/E	Maximum available amount, no credit	Amount Specified in field :32:A
/TFO/C	All available, utilize credit	Amount of ZERO is specified in field :32:A
/TFO/B	All available, no credit	Amount of ZERO is specified in field :32:A
TFO/I	Net obligation required, no credit	Net obligation required, no credit
/TFO/L	Total payable required, no credit	Total payable required, no credit
/TFO/R	Net obligation required, utilize credit	Net obligation required, utilize credit
/TFO/T	Total payable required, utilize credit	Total payable required, utilize credit

Appendix 3
Message Routing Codes –IATIs MRTs using SWIFT

Below are the Tags to be added in Field 72: of the SWIFT message in order to trigger the Conditional Release Mechanism for an FSI:

Other Tags for CRM Messages	Description	Remarks
/TRG/DATE/EDT/yyyymmdd/ETM/hhmm	Diarize for Specific Date and Time	SWIFT
/TRG/TRIG/	Payer to Activate FSI	Would be discarded automatically at the cut-off of the same FSVD
/TRG/BENF/	Beneficiary to Activate FSI	Settled when Beneficiary chooses to activate

Some examples regarding the implementation of above mentioned Tags and MRTs:

❖ Intra Account Transfers **without CRM** Option:
Transfer from RTM to GLOM in LBP (Domestic Currency) exact amount no credit:
:32A:120327LBP1000000,
:58A:/099901010001001xxxxxxxxx
Your BIC code
:72:/REC/INTRA/MRT/FMT0/TFO/D
Note that xxxxxxxxx is your account number at BDL

Transfer from RTM to GLOM in USD (Foreign Currency) all available, no credit:
:32A:120327USD2000,
:58A:/099902010001002xxxxxxxxx
Your BIC code
:72:/REC/INTRA/MRT/FFT0/TFO/D
Note that xxxxxxxxx is your account number at BDL

❖ Intra Account Transfers **with CRM** Option ON**:**
Transfer from GLOM to CHQLOM in LBP net obligation no credit at start of Settlement 1 event:
:32A:120327LBP0,
:58A:/099901020001001xxxxxxxxx
Your BIC code
:72:/REC/INTRA/MRT/LMT1/PLM/099901010001001xxxxxxxxx
//TFO/I/TRG/SOW/DWC/UGL1

Transfer from GLOM to CHQLOM in USD total payable no credit at start of Settlement 1 event:
:32A:120327USD0,
:58A:/099902020001002xxxxxxxxx
Your BIC code
:72:/REC/INTRA/MRT/LFT1/PLM/099902010001002xxxxxxxxx
//TFO/L/TRG/TRIG/SOW/DWC/UGL1

BDL_RTGS Rules and Procedures

Appendix 4

Nomination of BDL-RTGS Administrators and Users

Participant Name:	
Participant Registration Number:	
Date:	

I/We the undersigned authorize Mr./Ms _____ identified below as Administrator/User of the BDL-RTGS to receive the smart cards and the card readers from the IT department at BDL. These smart cards entitle the Administrators and Users to access the BDL-RTGS via SITI.

First name		
Family name		
Father's name		
Employee in the branch of		
Landline number		
Mobile phone number		
E-mail		
Required prerogatives	B Administrator	B User

The Participant undertakes to be responsible in case any of the Administrators/Users nominated above does not comply with the obligations undertaken by the latter below.

The Participant further acknowledges the following:

1. BDL shall have the right to withdraw/cancel the smart card(s), when it deems necessary, particularly in the following cases:

- breach or suspected breach in the use of the smart card(s) and/or its PIN
- termination of employment of the holder of the smart card
- non-compliance with the requirements specified in the Rules and Procedures of the BDL-RTGS.

2. The smart card validity period shall be mentioned on the physical card itself, which will be returned to BDL upon its expiry date in order to be duly renewed.

Appendix 4

Nomination of BDL-RTGS Administrators and Users

Signatory	Signature and Seal
Participant	
CEO Chairman of the Board of Directors or General Manager or Foreign Institution Representative in Lebanon	
Date	

I, _____, as holder of the smart card, undertake to abide by the following:

- To keep safe the smart card on a permanent basis
- Not to disclose the PIN number of the smart card
- To ensure that no unauthorized holder uses the smart card
- To use the smart card solely for its assigned purposes
- To inform BDL within 24 hours of any breach or suspected breach in the use of the smart card or in case of loss, theft or any illegal usage.
- To comply with the provisions of the Banking Secrecy Law.

Name:
Title:
Signature:
Date:

The IT Department at BDL shall provide technical assistance in order to ensure a safe usage of the smart card. You can contact the IT support team via e-mail: **nps_support@bdl.gov.lb**; or by phone: 01/750000 ext: 2222 to contact the Help Desk.

Monday – Tuesday – Wednesday – Thursday

Event	Expected start time
Start value day	07:00:00
Start window – Settlement Window	08:00:00
[LBP] RTM settlement trigger	08:00:00
[USD] RTM settlement trigger	08:00:00
[EUR] RTM settlement trigger	08:00:00
[GBP] RTM settlement trigger	08:00:00
[LBP] LOM start (GLMLBP)	08:00:00
[USD] LOM start (GLMUSD)	08:00:00
[EUR] LOM start (GLMEUR)	08:00:00
[GBP] LOM start (GLMGBP)	08:00:00
[LBP] LOM start (MCRLBP)	08:00:00
[USD] LOM start (MCRUSD)	08:00:00
[EUR] LOM start (CHQEUR)	09:30:00
[GBP] LOM start (CHQGBP)	09:30:00
[LBP] LOM start (CHQLBP)	09:30:00
[USD] LOM start (CHQUSD)	09:30:00
MIDCLEAR Local Market LBP Settlement 1	09:30:00
MIDCLEAR Local Market USD Settlement 1	09:30:00
[EUR] LOM start (ATMEUR)	10:30:00
[USD] LOM start (ATMUSD)	10:30:00
[LBP] LOM start (ATMLBP)	10:30:00
[LBP] LOM start (POSLBP)	10:30:00
[USD] LOM start (POSUSD)	10:30:00
ATMLBP Settlement 1	11:00:00
ATMEUR Settlement 1	11:00:00
ATMUSD Settlement 1	11:00:00
CHQ LBP Settlement 1	11:30:00
ATMLBP Final Settlement	11:30:00
ATMUSD Final Settlement	11:30:00
ATMEUR Final Settlement	11:30:00
MIDCLEAR Local Market Settlement 2	11:30:00

Appendix 5
Standard Operating Schedule in the BDL_RTGS

Event	Expected start time
MIDCLEAR Local Market Settlement 2	11:30:00
POSLBP Settlement 1	12:00:00
POSUSD Settlement 1	12:00:00
CHQLBP Final Settlement	12:00:00
CHQUSD Settlement 1	12:15:00
POSUSD Final Settlement	12:30:00
POSLBP Final Settlement	12:30:00
CHQUSD Final Settlement	12:45:00
CHQEUR Settlement 1	13:00:00
CHQGBP Settlement 1	13:00:00
MIDCLEAR Local Market LBP Final Settlement	13:30:00
MIDCLEAR Local Market Final Settlement	13:30:00
CHQEUR Final Settlement	13:30:00
CHQGBP Final Settlement	13:30:00
[LBP] LOM cutoff (ATMLBP)	15:00:00
[EUR] LOM cutoff (ATMEUR)	15:00:00
[USD] LOM cutoff (ATMUSD)	15:00:00
[LBP] LOM cutoff (POSLBP)	15:00:00
[USD] LOM cutoff (POSUSD)	15:00:00
[LBP] LOM cutoff (CHQLBP)	15:00:00
[EUR] LOM cutoff (CHQEUR)	15:00:00
[GBP] LOM cutoff (CHQGBP)	15:00:00
[USD] LOM cutoff (CHQUSD)	15:00:00
Bilateral cut-off	15:30:00
[EUR] LOM cutoff (GLMEUR)	16:00:00
[GBP] LOM cutoff (GLMGBP)	16:00:00
[USD] LOM cutoff (GLMUSD)	16:00:00
[LBP] LOM cutoff (GLMLBP)	16:00:00
[LBP] LOM cutoff (MCRLBP)	16:00:00
[USD] LOM cutoff (MCRUSD)	16:00:00
EURO RTM CUT-OFF	16:00:00
LBP RTM CUTOFF	16:00:00
GBP RTM CUT OFF	16:00:00
USD RTM CUT-OFF	16:00:00
Pre-finalisation	16:05:00

Appendix 5
Standard Operating Schedule in the BDL_RTGS

Event	Expected start time
Finalisation	16:10:00
Market balance	16:15:00
Square off Event	16:20:00
End value day	16:25:00

Friday – Saturday

Event	Expected start time
Start value day	07:00:00
Start window – Settlement Window	08:00:00
[LBP] RTM settlement trigger	08:00:00
[USD] RTM settlement trigger	08:00:00
[EUR] RTM settlement trigger	08:00:00
[GBP] RTM settlement trigger	08:00:00
[LBP] LOM start (GLMLBP)	08:00:00
[USD] LOM start (GLMUSD)	08:00:00
[EUR] LOM start (GLMEUR)	08:00:00
[GBP] LOM start (GLMGBP)	08:00:00
[LBP] LOM start (MCRLBP)	08:00:00
[USD] LOM start (MCRUSD)	08:00:00
[EUR] LOM start (CHQEUR)	09:30:00
[GBP] LOM start (CHQGBP)	09:30:00
[LBP] LOM start (CHQLBP)	09:30:00
[USD] LOM start (CHQUSD)	09:30:00
MIDCLEAR Local Market Settlement 1	09:30:00
MIDCLEAR Local Market Settlement 1	09:30:00
[EUR] LOM start (ATMEUR)	10:30:00
[USD] LOM start (ATMUSD)	10:30:00
[LBP] LOM start (ATMLBP)	10:30:00
[LBP] LOM start (POSLBP)	10:30:00
[USD] LOM start (POSUSD)	10:30:00
ATMLBP Settlement 1	11:00:00
ATMEUR Settlement 1	11:00:00
ATMUSD Settlement 1	11:00:00
CHQ LBP Settlement 1	11:30:00
ATMLBP Final Settlement	11:30:00
ATMUSD Final Settlement	11:30:00
ATMEUR Final Settlement	11:30:00
Bilateral cut-off	11:30:00
MIDCLEAR Local Market Settlement 2	11:30:00
MIDCLEAR Local Market Settlement 2	11:30:00
POSLBP Settlement 1	12:00:00
POSUSD Settlement 1	12:00:00
CHQLBP Final Settlement	12:00:00
CHQUSD Settlement 1	12:15:00
CHQEUR Settlement 1	12:30:00
POSUSD Final Settlement	12:30:00
POSLBP Final Settlement	12:30:00

Appendix 5
Standard Operating Schedule in the BDL_RTGS

Event	Expected start time
CHQUSD Final Settlement	12:30:00
CHQGBP Settlement 1	12:30:00
MIDCLEAR Local Market Final Settlement	12:45:00
MIDCLEAR Local Market Final Settlement	12:45:00
CHQEUR Final Settlement	12:45:00
CHQGBP Final Settlement	12:45:00
[LBP] LOM cutoff (ATMLBP)	13:00:00
[EUR] LOM cutoff (ATMEUR)	13:00:00
[USD] LOM cutoff (ATMUSD)	13:00:00
[LBP] LOM cutoff (POSLBP)	13:00:00
[USD] LOM cutoff (POSUSD)	13:00:00
[LBP] LOM cutoff (CHQLBP)	13:00:00
[LBP] LOM cutoff (MCRLBP)	13:00:00
[USD] LOM cutoff (MCRUSD)	13:00:00
[EUR] LOM cutoff (CHQEUR)	13:00:00
[GBP] LOM cutoff (CHQGBP)	13:00:00
[USD] LOM cutoff (CHQUSD)	13:00:00
[EUR] LOM cutoff (GLMEUR)	13:00:00
[GBP] LOM cutoff (GLMGBP)	13:00:00
[USD] LOM cutoff (GLMUSD)	13:00:00
[LBP] LOM cutoff (GLMLBP)	13:00:00
EURO RTM CUT-OFF	13:00:00
LBP RTM Cutoff	13:00:00
GBP RTM CUT OFF	13:00:00
USD RTM CUT-OFF	13:00:00
Pre finalisation	13:05:00
Finalisation	13:10:00
Market balance	13:15:00
Square off	13:20:00
End value day	13:25:00

Appendix 6
System Windows – Mandatory (*) and Provider Defined (**)

Window Defined	Description
Open value day window*	o Participants and the Administrator can make enquiries for reports , submit FSIs o Participants can manage queued and diarised RTM and LOM FSIs o The Administrator can manage queued and diarised FSIs on behalf of a participant and can maintain master file data
System Pause**	o System is put on pause; only Provider is allowed to access system and resume
Start value day window*	o Participant and Administrator processors are temporarily paused in order for processing that takes place during this window to be effected e.g. updating credit limits.
RTM Settlement Trigger Window**	o RTM Settlement Window Started
Pre-Finalization Window*	
Finalization window*	o Administrator can interface with the system and Participants can make enquiries. o The LOM is triggered to try and settle all funds settlement instructions that are queued either as bilateral Concurrent Batches or as a multilateral Concurrent Batch. o All FSIs that are still queued on the LOM are discarded due to insufficient funds. The LOM accounts are cleared and any funds remaining in LOM accounts are transferred to the settlement accounts. o Any FSIs that are still diarized on the CRM at the start of this window will be discarded, regardless of the reason for diarisation. o If credit facilities are available in the system, however overnight credit is not allowed for a Participant, the system automatically repays the Participant's loan as far as possible with funds from its settlement account. o The participant is informed about the funding that is required.

Appendix 6
System Windows – Mandatory (*) and Provider Defined (**)

Window Defined	Description
Market Balance* (If RAFSI is utilized)	o Once a RAFSI is accepted by the beneficiary bank or on its behalf the instruction can be processed once the market balance event starts. o The Administrator can intervene by either accepting or removing the RAFSI on behalf of the beneficiary bank or paying bank, respectively.
Square-off window*	o System housekeeping functions and controls to ensure the integrity of the system are performed. o All processors are stopped. Only the Administrator can interface with the system.
End Value Day*	o Only the system Administrator can interface with the system

Monday - Thursday

Event	Start Time	Settlement 1	Final Settlement	Cut-off Time	Description of Event Processes
Start value day	07:00:00				Start time is temporarily paused until such time as credit limits are updated for all Participants and position updates are sent to Participants.
LBP currency Start	08:00:00	Continuous		16:00:00	Start and cut-off of Fund Settlement Instructions in LBP
USD Currency start	08:00:00	Continuous		16:00:00	Start and cut-off of Fund Settlement Instructions in USD
EUR currency Start	08:00:00	Continuous		16:00:00	Start and cut-off of Fund Settlement Instructions in EUR
GBP Currency Start	08:00:00	Continuous		16:00:00	Start and cut-off of Fund Settlement Instructions in GBP
LBP General LOM	08:00:00	Continuous		16:00:00	Start and cut-off of General Instructions Settlement in LBP
USD General LOM	08:00:00	Continuous		16:00:00	Start and cut-off of General Instructions Settlement in USD
EUR General LOM	08:00:00	Continuous		16:00:00	Start and cut-off of General Instructions Settlement in EUR
GBP General LOM	08:00:00	Continuous		16:00:00	Start and cut-off of General Instructions Settlement in GBP
LBP Midclear Local Market LOM	08:00:00	09:30:00	Settlement 2 11:30:00	16:00:00	

Appendix 7
BDL_RTGS Defined Events

Event	Start Time	Settlement 1	Final Settlement	Cut-off Time	Description of Event Processes
USD Midclear Local Market LOM	08:00:00	09:30:00	Final Settlement 13:30:00 Settlement 2 11:30:00 Final Settlement 13:30:00	16:00:00	
CHQ LBP LOM	09:30:00	11:30:00	12:00:00	15:00:00	Cheque Clearing LOM in LBP
CHQ USD LOM	09:30:00	12:15:00	12:45:00	15:00:00	Cheque Clearing LOM in USD
CHQ GBP LOM	09:30:00	13:00:00	13:30:00	15:00:00	Cheque Clearing LOM in GBP
CHQ EUR LOM	09:30:00	13:00:00	13:30:00	15:00:00	Cheque Clearing LOM in EUR
ATM LBP LOM	10:30:00	11:00:00	11:30:00	15:00:00	Domestic Switches LOM in LBP
ATM USD LOM	10:30:00	11:00:00	11:30:00	15:00:00	Domestic Switches LOM in USD
ATM EUR LOM	10:30:00	11:00:00	11:30:00	15:00:00	Domestic Switches LOM in EUR
POS LBP LOM	10:30:00	12:00:00	12:30:00	15:00:00	Locally Issued Cards for Domestic Payments LOM in LBP (Point of Sale)
POS USD LOM	10:30:00	12:00:00	12:30:00	15:00:00	Locally Issued Cards for Domestic Payments LOM in USD (Point of Sale)
Pre-finalisation	16:05:00				Settlement banks without overnight credit extension cannot get additional credit extension. General system warnings are produced.

Event	Start Time	Settlement 1	Final Settlement	Cut-off Time	Description of Event Processes
Finalisation	16:10:00				If any bank still has a partially unsecured loan the start time of this event is delayed until the situation has been rectified. The system administrator is notified that the start of this event is delayed. All FSIs that are still diarised on the CRM are discarded No new FSIs are accepted. Settlement on the LOM and RTM is stopped. Finalisation of all FSIs already received.
Market balance event	16:15:00				Participants balance surpluses and shortfalls in the market by borrowing funds from and lending funds to each other. Special receiver-accept FSIs that have to be accepted by the beneficiary bank prior to settlement, are used during this event.
Square-off	16:20:00				The trial balance is checked and the system ensures that all instructions for the current value day have been processed. Standard reports are produced for both the administrator and Participants according to their profiles. SWIFT MT950 statements are also forwarded to Participants that have set this preference on their profile. A warning is forwarded to the administrator for unauthorised masterfile changes Loans are automatically repaid Calculate charges and interest for current value day Upload GL entries (including accruals for interest and charges)
Ad-hoc pause event	16:25:00				System is paused until it is manually resumed by the Settlement Provider

BDL_RTGS Rules and Procedures

Appendix 7
BDL_RTGS Defined Events

Friday & Saturday

Event	Start Time	Settlement 1	Final Settlement	Cut-off Time	Description of Event Processes
Start value day	07:00:00				Start time is temporarily paused until such time as credit limits are updated for all Participants and position updates are sent to Participants
LBP currency Start	08:00:00	Continuous		13:00:00	Start and cut-off of Fund Settlement Instructions in LBP
USD Currency start	08:00:00	Continuous		13:00:00	Start and cut-off of Fund Settlement Instructions in USD
EUR currency Start	08:00:00	Continuous		13:00:00	Start and cut-off of Fund Settlement Instructions in EUR
GBP Currency Start	08:00:00	Continuous		13:00:00	Start and cut-off of Fund Settlement Instructions in GBP
LBP General LOM	08:00:00	Continuous		13:00:00	Start and cut-off of General Instructions Settlement in LBP
USD General LOM	08:00:00	Continuous		13:00:00	Start and cut-off of General Instructions Settlement in USD
EUR General LOM	08:00:00	Continuous		13:00:00	Start and cut-off of General Instructions Settlement in EUR
GBP General LOM	08:00:00	Continuous		13:00:00	Start and cut-off of General Instructions Settlement in GBP
LBP Midclear Local Market LOM	08:00:00	09:30:00	Settlement 2 11:30:00 / Final Settlement 12:45:00	13:00:00	
USD Midclear Local Market LOM	08:00:00	09:30:00	Settlement 2 11:30:00 / Final Settlement 12:45:00	13:00:00	

Appendix 7
BDL_RTGS Defined Events

Event	Start Time	Settlement 1	Final Settlement	Cut-off Time	Description of Event Processes
CHQ LBP LOM	09:30:00	11:30:00	12:00:00	13:00:00	Cheque Clearing LOM in LBP
CHQ USD LOM	09:30:00	12:15:00	12:30:00	13:00:00	Cheque Clearing LOM in USD
CHQ GBP LOM	09:30:00	12:30:00	12:45:00	13:00:00	Cheque Clearing LOM in GBP
CHQ EUR LOM	09:30:00	12:30:00	12:45:00	13:00:00	Cheque Clearing LOM in EUR
ATM LBP LOM	10:30:00	11:00:00	11:30:00	13:00:00	Domestic Switches LOM in LBP
ATM USD LOM	10:30:00	11:00:00	11:30:00	13:00:00	Domestic Switches LOM in USD
ATM EUR LOM	10:30:00	11:00:00	11:30:00	13:00:00	Domestic Switches LOM in EUR
POS LBP LOM	10:30:00	12:00:00	12:30:00	13:00:00	Non-Domestic Retail Cards LOM in LBP (Point of Sale)
POS USD LOM	10:30:00	12:00:00	12:30:00	13:00:00	Non-Domestic Retail Cards LOM in USD (Point of Sale)
Pre-finalisation	13:05:00				Settlement banks without overnight credit extension cannot get additional credit extension. General system warnings are produced.
Finalisation	13:10:00				If any bank still has a partially unsecured loan the start time of this event is delayed until the situation has been rectified. The system administrator is notified that the start of this event is delayed. All FSIs that are still diarised on the CRM are discarded No new FSIs are accepted. Settlement on the LOM and RTM is stopped. Finalisation of all FSIs already received.

BDL_RTGS Rules and Procedures

Appendix 7
BDL_RTGS Defined Events

Event	Start Time	Settlement 1	Final Settlement	Cut-off Time	Description of Event Processes
Market balance event	13:15:00				Participants balance surpluses and shortfalls in the market by borrowing funds from and lending funds to each other. Special receiver-accept FSIs that have to be accepted by the beneficiary bank prior to settlement, are used during this event.
Square-off	13:20:00				The trial balance is checked and the system ensures that all instructions for the current value day have been processed. Standard reports are produced for both the administrator and Participants according to their profiles. SWIFT MT950 statements are also forwarded to Participants that have set this preference on their profile. A warning is forwarded to the administrator for unauthorised masterfile changes Loans are automatically repaid Calculate charges and interest for current value day Upload GL entries (including accruals for interest and charges)
Ad-hoc pause event	13:25:00				System is paused until it is manually resumed by the Settlement Provider

Appendix 8
BDL_RTGS Liquidity Optimization Mechanism (LOM)

LOMs Naming Convention in the BDL_RTGS

LOM Names are of 6 characters: *LOM Code + Currency Code*
LOM Numbers are of 3 digits: *Currency Seq.   +   LOM Seq.*

Currency seq. **& Code**	LOM seq. **& Code**
(**1**) LBP = Lebanese pounds	(**01**) GLM = General LOM
(**2**) USD = US dollars	(**02**) CHQ = Cheque Clearing Settlement LOM
(**3**) EUR = Euro	(**03**) MCR = MidClear Local Market LOM
(**4**) GBP = GB. Pounds	(**04**) POS = POS Settlement LOM
	(**05**) ATM = ATM Clearing Settlement LOM

LOMs Defined in the BDL_RTGS

101: GLMLBP	**102**: CHQLBP	**103**: MCRLBP	**104**: POSLBP	**105**: ATMLBP
201: GLMUSD	**202**: CHQUSD	**203**: MCRUSD	**204**: POSUSD	**205**: ATMUSD
301: GLMEUR	**302**: CHQEUR			**305**: ATMEUR
401: GLMGBP	**402**: CHQGBP			

BDL_RTGS Rules and Procedures

Appendix 8
BDL_RTGS Liquidity Optimization Mechanism (LOM)

A. General LOM: For the settlement of MT103 & MT202 and the CLEAR Direct Debit & Retail Payments Stream Agreements.

LOM Setup Rules	LBP	USD	EUR	GBP
LOM agreement number	101	201	301	301
Description	General LBP Instructions	General USD Instructions	General EUR Instructions	General GBP Instructions
Short name	**GLMLBP**	**GLMUSD**	**GLMEUR**	**GLMGBP**
Currency	LBP	USD	EUR	GBP
Gridlock buster interval (minutes)	10	10	10	10
EOD settlement priority	2	2	2	2
Concurrent batch instructions	Yes	Yes	Yes	Yes
Single instructions	Yes	Yes	Yes	Yes
Remove FSI	Yes	Yes	Yes	Yes
Stop receive/pay applies to LOM	Yes	Yes	Yes	Yes
RTM liquidity used for settlement at cut-off	No	No	No	No
Default LOM indicator	Yes	Yes	Yes	Yes
LOM lock allowed	No	No	No	No
ASA allowed to lock LOM	No	No	No	No

Appendix 8
BDL_RTGS Liquidity Optimization Mechanism (LOM)

B. Cheque Clearing LOM: For the CLEAR Cheque Clearing Stream Agreement.

LOM Setup Rules	LBP	USD	EUR	GBP
LOM agreement number	102	202	302	402
Description	LBP Cheque Clearing	USD Cheque Clearing	EUR Cheque Clearing	GBP Cheque Clearing
Short name	**CHQLBP**	**CHQUSD**	**CHQEUR**	**CHQGBP**
Currency	LBP	USD	EUR	GBP
Gridlock buster interval (minutes)	10	10	10	10
EOD settlement priority	**1**	**1**	**1**	**1**
Concurrent batch instructions	Yes	Yes	Yes	Yes
Single instructions	No	No	No	No
Remove FSI	No	No	No	No
Stop receive/pay applies to LOM	No	No	No	No
RTM liquidity used for settlement at cut-off	No	No	No	No
Default LOM indicator	No	No	No	No
LOM lock allowed	No	No	No	No
ASA allowed to lock LOM	No	No	No	No

BDL_RTGS Rules and Procedures

Appendix 8
BDL_RTGS Liquidity Optimization Mechanism (LOM)

C. MidClear Local Market LOM: For the settlement of MidClear security operations:

LOM Setup Rules	LBP	USD
LOM agreement number	103	203
Description	MidClear Local Market LOM	MidClear Local Market LOM
Short name	**MCRLBP**	**MCRUSD**
Currency	LBP	USD
Gridlock buster interval (minutes)	10	10
EOD settlement priority	2	2
Concurrent batch instructions	Yes	Yes
Single instructions	Yes	Yes
Remove FSI	Yes	Yes
Stop receive/pay applies to LOM	Yes	Yes
RTM liquidity used for settlement at cut-off	No	No
Default LOM indicator	No	No
LOM lock allowed	Yes	Yes
ASA allowed to lock LOM	Yes	Yes

Appendix 8
BDL_RTGS Liquidity Optimization Mechanism (LOM)

D. Locally Issued Cards for Domestic Payments LOM (POS): For the Settlement of Visa & Mastercard netted operations.

LOM Setup Rules	LBP	USD
LOM agreement number	104	204
Description	**Locally Issued Cards for Domestic Payments (Visa & MC)**	**Locally Issued Cards for Domestic Payments (Visa & MC)**
Short name	**POSLBP**	**POSUSD**
Currency	LBP	USD
Gridlock buster interval (minutes)	10	10
EOD settlement priority	2	2
Concurrent batch instructions	Yes	Yes
Single instructions	Yes	Yes
Remove FSI	Yes	Yes
Stop receive/pay applies to LOM	Yes	Yes
RTM liquidity used for settlement at cut-off	No	No
Default LOM indicator	No	No
LOM lock allowed	No	No
ASA allowed to lock LOM	No	No

Appendix 8
BDL_RTGS Liquidity Optimization Mechanism (LOM)

E. Domestic ATM Switches LOM: For the settlement of ATM Domestic Switches operations.

LOM Setup Rules	LBP	USD	EUR
LOM agreement number	105	205	305
Description	**ATM Clearing**	**ATM Clearing**	**ATM Clearing**
Short name	**ATMLBP**	**ATMUSD**	**ATMEUR**
Currency	LBP	USD	EUR
Gridlock buster interval (minutes)	10	10	10
EOD settlement priority	2	2	2
Concurrent batch instructions	Yes	Yes	Yes
Single instructions	Yes	Yes	Yes
Remove FSI	Yes	Yes	Yes
Stop receive/pay applies to LOM	Yes	Yes	Yes
RTM liquidity used for settlement at cut-off	No	No	No
Default LOM indicator	No	No	No
LOM lock allowed	No	No	No
ASA allowed to lock LOM	No	No	No

Appendix 9
REC Codes Defined in the BDL_RTGS

REC Codes	Description
CBCSH	Operations with Cash Department at BDL
CBCSD	Operations with Financial Operations Department at BDL
CBFXD	Operations with Foreign Exchange Department at BDL
CBPSD	Operations with Payment Systems Department at BDL
CBEXT	Central Bank Credit Extensions
CBGEN	Other General Operations with BDL
CLATM	ATM Switches settlement
CLCHQ	Settlement of Check Clearing at BDL
CLPOS	For settlement of domestic payments of locally issued cards - POS (MC and Visa)
CLTRN	CLEAR Retail Payments
MCCSD	Local Market Operations executed by MIDCLEAR
MMRKT	Money Markets Operations between Settlement Participants
FOREX	Foreign Exchange Operations between Settlement Participants
TRNSF	Credit Transfer Instructions between Settlement Participants

Appendix 9
REC Codes Defined in the BDL_RTGS

REC Codes	Description
TRSRY	Treasury Operations between Settlement Participants
OTHR	Other
INTER	System Generated Instruction
SCHRG	System Generated Settlement Charges for FSI
SCLOS	System Generated Account Closure Instruction
SEOPF	System Generated End of Period Funding FSI
SILON	System Generated Loan Account Interest Received FSI
SIRSV	System Generated Reserve Account Interest Paid FSI
SISTL	System Generated Settlement Account Interest Paid FSI
SIULN	System Generated Interest Received Unsecure Loan FSI
SPNLT	System Generated Settlement Penalties FSI
SSUBF	System Generated Subscription Recovery FSI
STXIP	System Generated Tax on Interest Paid

Appendix 9
REC Codes Defined in the BDL_RTGS

THE REC CODES	GLM	CHQ	POS	ATM	MDR	**RTM**
CBCSH, CBCSD, CBFXD, CBPSD, CBEXT, CBGEN	√					
FOREX, MMRKT, TRNSF, TRSRY	√					
CLTRN	√					
CLCHQ		√				
CLPOS			√			
CLATM				√		
MCCSD					√	
OTHR						√
SCHRG, SCLOS, SEOPF, SILON, SIRSV						√
SISTL, SIULN, SPNLT, SSUBF, STXIP						√

Appendix 9
REC Codes Defined in the BDL_RTGS

REC Code	Description	Relevant LOM	Currency			
			LBP	USD	EUR	GBP
CBCSH	Cash Operations with Treasury Department at BDL	General LOM	Y	N	N	N
CBCSD	Operations with Financial Operations Department at BDL	General LOM	Y	Y	N	N
CBEXT	Central Bank Credit Extensions	General LOM	Y	Y	Y	Y
CBFXD	Operations with Foreign Exchange Department at BDL	General LOM	Y	Y	Y	Y
CBPSD	Operations with Payment Systems Department at BDL	General LOM	Y	Y	Y	Y
CBGEN	Other General Operations with BDL	General LOM	Y	Y	Y	Y
CLATM	ATM Switches settlement	ATM LOM	Y	Y	Y	N
CLCHQ	Settlement of Check Clearing at BDL	Check Clearing LOM	Y	Y	Y	Y
CLPOS	POS Transactions (MC & Visa)	POS LOM	Y	Y	N	N
CLTRN	CLEAR Retail Payments	General LOM	Y	Y	Y	Y

Appendix 9
REC Codes Defined in the BDL_RTGS

REC Code	Description	Relevant LOM	Currency			
			LBP	USD	EUR	GBP
MCCSD	MIDCLEAR Local Market Operations	Midclear LOM	Y	Y	Y	Y
FOREX	Foreign Exchange Operations between Settlement Banks	General LOM	Y	Y	Y	Y
MMRKT	Money Markets Operations between Settlement Banks	General LOM	Y	Y	Y	Y
TRNSF	Credit Transfer Instructions	General LOM	Y	Y	Y	Y
TRSRY	Treasury Operations between Settlement Banks	General LOM	Y	Y	Y	Y
OTHR	Other	**RTM**	Y	Y	Y	Y
SCHRG	Settlement Charges for FSI	**RTM**	Y	N	N	N
SCLOS	Account Closure in System	**RTM**	Y	Y	Y	Y
SEOPF	End of Period Funding FSI	**RTM**	Y	Y	Y	Y
SILON	Loan Account Interest Received FSI	**RTM**	Y	Y	Y	Y

BDL_RTGS Rules and Procedures

Appendix 9
REC Codes Defined in the BDL_RTGS

REC Code	Description	Relevant LOM	Currency			
			LBP	USD	EUR	GBP
SIRSV	Reserve Account Interest Paid FSI	**RTM**	Y	Y	Y	Y
SISTL	Settlement Account Interest Paid FSI	**RTM**	N	Y	Y	Y
SIULN	Interest Received Unsecure Loan FSI	**RTM**	Y	Y	Y	Y
SPNLT	Settlement Penalties FSI	**RTM**	Y	N	N	N
SSUBF	Subscription Recovery FSI	**RTM**	Y	N	N	N
STXIP	Tax on Interest Paid	**RTM**	Y	N	N	N
INTER	System Generated Instruction	**RTM**	Y	Y	Y	Y

Appendix 10
Contingency in the BDL_RTGS

BDL_RTGS provides for the following contingency situations:

1- A participant back-office or SWIFT infrastructure is unavailable.

In the event where a participant's back-office system/s or, in the unlikely event where the SWIFT infrastructure is down the participant can utilise the BDL_RTGS Web_client to manually capture FSIs that then utilises the SWIFT infrastructure of BDL to submit the instructions to SWIFT.

BDL_RTGS continues to send resulting messages like the MT900/910, if required by the participant, to the specified participant according to the participant's message rules. If these messages are required on the back-office it will still be submitted to the SWIFT BIC and will queue there until the service is restored.

2- BDL SWIFT infrastructure or the SWIFT network is unavailable

In the extreme event where the SWIFT network is unavailable, the SWIFT infrastructure at BDL is down, the administrator maintains a system parameter to specify that the system is in a SWIFT network contingency and all Fund Settlement Instructions (FSIs) (only) from the Webclient are submitted to the RTGS via the contingency route and NOT via SWIFT.

In a SWIFT network contingency, the participants can utilise the Webclient to manually capture FSIs. The Webserver routes the instructions via the contingency route (via the SITI network) and not via the SWIFT network to BDL_RTGS.

Note: Straight Through Processing (STP) is not possible for FSIs captured on the Webclient during this mode