Revision History

Item No. **Commentary**	Release Date (mm/dd/yy)	Device	Country	Comm. Protocol
BB-GBS1190	08/30/22	BB300	England + Scotland	CCNET

1. Processing of old paper 20 GBP has been disabled for all bill types, issued before polymer series 2018 - 2019:
   - Bank of England: 20 GBP (2007).
   - The Royal Bank of Scotland: 20 GBP (1991 ['91-'98,'99-'12,'16]).
   - Bank of Scotland: 20 GBP (1995 ['95-'98,'99-'01,'03]; 2007).
   - Clydesdale Bank: 20 GBP (1994 ['96]; 1997 ['99,'02,'03,'04]; 1997 (Commemorative issue); 1999 (Commemorative issue); 2005 (Commemorative issue); 2006, 2009).
2. Implemented automatic restoring of the recycling cassette capacity limit after restart ("Reset" command, power interruption, etc.).
3. Supported Denomination Set has been updated to "SDS-GBS3-R10".

Limitations:
1. Jam / Power recovery is limited because of transparent windows on the banknotes.
2. Diagnostics is not supported.
3. Dispenser shutter can close prematurely while dispensing single polymer note. Upgrade to chassis revision BB-BCA14946 or later is required to fix the issue.
4. Bill retraction functionality is limited. "Empty Dispenser" command must follow immediately after bill retraction (state "CA").

BB-GBS1189	10/02/19	BB300	England + Scotland	CCNET

1. Processing of new polymer 20 GBP (Bank of England, Bank of Scotland, The Royal Bank of Scotland, Clydesdale Bank) to be issued in 2019-2020 has been introduced.
2. Support of following Scotland banknotes has been re-enabled:
   - 20 GBP ((1994 ['96]), (1997 ['99-'06]), (1997) issued by Clydesdale Bank;
   - 20 GBP (1991) issued by The Royal Bank of Scotland;
   - 20 GBP (1995) issued by Bank of Scotland.
3. Processing of following Scotland banknotes has been disabled:
   - 5 GBP (2009), 10 GBP (2009) issued by Clydesdale Bank;
   - 5 GBP (2004), 20 GBP (2000, Commemorative banknote) issued by The Royal Bank of Scotland;
   - 5 GBP (2007), 10 GBP (2007) issued by Bank of Scotland.
4. Acceptance rate for 10 GBP (2017, Bank of Scotland) has been improved.
5. Overall acceptance rate has been improved.
6. Detection and rejection of short coupon/business card has been improved.
7. "Anti-fishing" feature has been improved for polymer banknotes.

Limitations:
1. Jam / Power recovery is limited because of transparent windows on the banknotes.
2. Diagnostics is not supported.

3. Dispenser shutter can close prematurely while dispensing single polymer note. Upgrade to chassis revision BB-BCA14946 or later is required to fix the issue.
4. Bill retraction functionality is limited. "Empty Dispenser" command must follow immediately after bill retraction (state "CA").

BB-GBS1188	02/23/18	BB300	England + Scotland	CCNET

1. Processing of old paper 10 GBP (2000, Bank of England) has been disabled.
2. Implemented workaround for potential recoverable bezel indication problem in Idling state.

Limitations:
1. Jam / Power recovery is limited because of transparent windows on the banknotes.
2. Diagnostics is not supported.
3. Dispenser shutter can close prematurely while dispensing single polymer note. Upgrade to chassis revision BB-BCA14946 or later is required to fix the issue.
4. Bill retraction functionality is limited. "Empty Dispenser" command must follow immediately after bill retraction (state "CA").

BB-GBS1187	10/13/17	BB300	England + Scotland	CCNET

1. Processing of new polymer 10 GBP (2017, Bank of Scotland) has been introduced.
2. Processing of followed old Scotland banknotes has been disabled:
   - 5 GBP (1990), 10 GBP (1992, 1997), 20 GBP (1994, 1997) issued by Clydesdale Bank;
   - 5 GBP (1988), 10 GBP (1992), 20 GBP (1991) issued by Royal Bank of Scotland;
   - 5 GBP (1995), 10 GBP (1995), 20 GBP (1995) issued by Bank of Scotland.
3. Overall acceptance rate has been improved.
4. Fixed CCNET command applicability after bills retraction.
   That prevents invalid/unexpected operations of the unit when the banknotes are inside of dispenser.

Limitations:
1. Jam / Power recovery is limited because of transparent windows on the banknotes.
2. Diagnostics is not supported.
3. Dispenser shutter can close prematurely while dispensing single polymer note. Upgrade to chassis revision BB-BCA04946 or later is required to fix the issue.
4. Bill retraction functionality is limited. "Empty Dispenser" command must follow immediately after bill retraction (state "CA").

BB-GBS1186	04/25/17	BB300	England + Scotland	CCNET

1. Processing of new polymer 10 GBP (2017, Clydesdale Bank) and 10 GBP (2017, The Royal Bank) has been introduced.
2. Processing of 5 GBP (2002, Bank of England) has been disabled.
3. Acceptance rate for polymer 5 GBP (2016, Bank of England) has been improved based on the latest samples of scans and street grade bills received from customer.
4. Overall acceptance rate has been improved.

Limitations:
1. Jam / Power recovery is limited because of transparent windows on the banknotes.
2. Diagnostics is not supported.

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3. Dispenser shutter can close prematurely while dispensing single polymer note. Upgrade to chassis revision BB-BCA04946 or later is required to fix the issue.

BB-GBS1185   03/29/17   BB300   England + Scotland   CCNET

1. Eliminated false jam reports (B6) with new 10 GBP (2017, Bank of England) banknotes.

Limitations:
1. Jam / Power recovery is limited because of transparent windows on the banknotes.
2. Diagnostics is not supported.

BB-GBS1184   02/02/17   BB300   England + Scotland   CCNET

1. Processing of new polymer 10 GBP (2017, Bank of England) has been introduced.

Limitations:
1. Jam / Power recovery is limited because of transparent windows on the banknotes.
2. Diagnostics is not supported.

BB-GBS1183   09/07/16   BB300   England + Scotland   CCNET

1. Processing of new polymers 5 GBP (2016, Bank of Scotland) and 5 GBP (2016, Royal Bank of Scotland) has been introduced based on scans received from customer.
2. Overall acceptance rate has been improved.
3. "EMPTY DISPENSER" command has been enabled in 0xCA failure state.

Limitations:
1. Jam / Power recovery is limited because of transparent windows on the banknotes.
2. Diagnostics is not supported.

BB-GBS1182   03/02/16   BB300   England + Scotland   CCNET

1. Processing of new polymer 5 GBP (2016, Bank of England) has been introduced.
2. Processing of polymer 5 GBP (2015, Clydesdale Bank) has been added.
3. Overall acceptance rate has been improved.
4. Fixed an error in sensor synchronization that might lead to reduced acceptance rate.
5. Maintenance mode (cleaning card) support added.

Limitations:
1. Diagnostics is disabled.
2. Jam / Power recovery is limited because of transparent windows on the banknotes.

BB-GBS1181   07/23/13   BB300   England + Scotland
                        CCNET

1. BB statistics in new format has been introduced.
2. Jam recovery during Unload has been introduced: after jam in lower tract of BB chassis during unloading operation BB returns jammed bill back to corresponding cassette and try to unload the same bill again. This feature has been implemented for 0xE1, 0xE2, 0xE3, 0xE4, 0xE5, 0xE6 error codes.

3. Jam recovery during Dispense has been introduced: if time-out of bill arriving to the sensor of dispenser (error code 0xD4) is detected then BB returns jammed bill back to corresponding cassette and try to dispense the same bill again.

Limitations:
1. Diagnostics is disabled.

BB-GBS1165   08/10/10   BB300   England + Scotland   CCNET

1. Processing of old 20 GBP (Bank of England) has been disabled.
2. Processing of EMPTY DISPENSER command has been modified to prevent false credit report in non-applicable states.
3. During packing BB tries to reject a bill rather than reports one of the following errors: A8, B5, C2 or E5. This modification allows to prevent jams inside BB switch.

BB-GBS1163   01/11/10   BB300   England + Scotland   CCNET

1. Processing of new 5, 10 and 20 GBP issued by Clydesdale bank in 2009 has been introduced.
2. Point of reporting "Waiting for bills to be removed" (0x1D 0x01) state during dispensing has been changed from the moment when BB starts moving the last bill to be dispensed from recycling cassette to dispenser to the moment when the last bill to be dispensed enters the dispenser.
3. FEED LEVEL capability has been introduced.
4. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY LIMIT have been added to CCNET.

BB-GBS1158   03/26/08   BB300   England + Scotland   CCNET

1. Processing of new 5, 10 & 20 GBP issued in 2007 by Bank of Scotland has been introduced as well as processing of 5 GBP (Royal bank) issued in 2004 and 20 GBP (Clydesdale bank) issued in 2005.
2. Overall acceptance has been improved according to the latest samples of street grade bills.
3. Country code has been replaced with currency code in all internal tables.
4. BB statistics (failure counters) is not supported yet.

BB-GBS1153   05/04/07   BB300   England + Scotland   CCNET

1. BB turns to IDLING through chassis re-initialization after the following sequence: drop box removal, chassis removal, then chassis replacement and drop box replacement.
2. The keeping of correct BB statistics has been brought in (failure counters).
3. The improved algorithm of drop box initialization has been implemented in order to make sure that BB is always able to determine if drop box is completely attached.
4. Processing of new 20 English pounds issued in 2007 has been introduced.

BB-GBS1152   07/20/06   BB300   England + Scotland
                               CCNET

First release:

1. Metal bezel support.
2. Barcode recognition.
3. Jam (credit loss) prevention.
4. Chassis soft download via CCNET.

5. Improved short bill returning.
6. Pass sensor's processing during bill packing has been improved to prevent rejection of single bills.
7. 'SET OPTIONS' and 'GET OPTIONS' commands have been added to CCNET.
8. Processing of the following options has been implemented:
    'LED BV INHIBIT' -> 0 - LED is red in BV_INHIBIT state; 1 - LED is turned off
    'KEEP BILL' -> 0 - bill will be dropped after returning; 1 - bill will be held
    'LOOK TAPE' -> enhanced processing of pass sensor (0 - OFF, 1 - ON)
    'TURN SWITCH' -> switch turning after bill packing (0 - OFF, 1 - ON)
9. Loss of cassette setting "Not Assigned" after RESET has been eliminated.
10. Control of triangle wheel in metal bezel during bill accepting has been improved to prevent the bill sticking.
11. Control of thermo heater in metal dispenser has been added.
12. Enhance the algorithm of BB self-testing: if cassette(s) is (are) removed, software has to skip the algorithm of "device recovery after POWER DOWN" and turn to the regular self-testing.
13. Set higher priority to the indication of "BOX REMOVED" state.
14. Make "RECYCLING CASSETTE STATUS" request accessible only in IDLING, DISABLED, ESCROW states (according to "CashCode NET" description).
15. Do not erase an IDENTIFICATION NUMBER of BB unit in statistics after download to the validating head the software designed for another country.
16. BB power recovery feature has been introduced.
17. Nonvolatile counters for counting all dispensed or unloaded bills have been added.
18. Commands "POWER RECOVERY", "EMPTY DISPENSER", "EXTENDED CASSETTE STATUS" have been included to CCNET.
19. Size of the transparent window on the banknote has been brought in to be taken into account during transporting of the bill.
20. Errors related to setting date/time from B2B keypad in Service mode have been fixed.
21. The following error has been fixed: if remove a cassette from the chassis BB keeps trying to pack bills to that cassette.
22. "GET STATUS" command is enable only in IDLING and DISABLED states according to CCNET specification.
23. Error with displaying of "Not Assigned" state for recycling cassettes in Service mode has been fixed.
24. Prohibit switching to download mode in the following error states:
    ERROR_LINK_SENS_HV, ERROR_MAGN_SENS_HV and ERROR_OPT_SENS_HV.
25. Prohibit performing software RESET in the following error states:
    ERROR_LINK_SENS_HV, ERROR_MAGN_SENS_HV and ERROR_OPT_SENS_HV.
26. Add "READ BB-DEVICES SERIAL NUMBER" command to CCNET.
27. Remove the control of stand-by battery.
28. Fix for unload in case when some bills were manually removed from the cassette.

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