Revision History

Item No.	Release Date	Device	Country	Comm. Protocol
Commentary				

BB-USCA1685   10/17/18   BB300   USA + Canada   CCNET

1. Processing of new polymer vertically oriented notes of 10 CAD (2018) has been introduced.
2. Acceptance rate for commemorative polymer 10 CAD (2017) has been improved.

Limitations:
1. Barcodes processing is disabled.
2. Diagnostic feature has been disabled.
3. Maintenance mode (cleaning card) support is not supported.
4. Jam/Power recovery is limited because of transparent windows on the banknotes.
5. Bill retraction functionality is limited for polymer banknotes with transparent windows.
   "Empty Dispenser" command must follow immediately after bill retraction (state "CA").

BB-USCA1684   12/16/17   BB300   USA + Canada   CCNET

1. Acceptance rate for polymer banknotes has been improved by introducing a new bill processing algorithm.
2. Implemented workaround for potential recoverable bezel indication problem in idling state.

Limitations:
1. Barcodes processing is disabled.
2. Diagnostic feature has been disabled.
3. Maintenance mode (cleaning card) support is not supported.
4. Jam/Power recovery is limited because of transparent windows on the banknotes.
5. Bill retraction functionality is limited for polymer banknotes with transparent windows.
   "Empty Dispenser" command must follow immediately after bill retraction (state "CA").

BB-USCA1683   08/09/17   BB300   USA + Canada   CCNET

1. Processing of new commemorative polymer 10 CAD (2017) has been introduced.
2. Processing of 20, 50 and 100 CAD, issued before 2004, has been disabled.
3. Processing of 2 USD, 5 USD, 10 USD, 20 USD, 50 USD and 100 USD, issued before 1996, has been disabled.
4. Bill table has been modified to exclude 2 USD ("Bill type 1" is set to "not used").
   DIP Sw.1.2 is set to "Reserved".
5. Acceptance rate for polymer banknotes has been improved by introducing a new bill processing algorithm.
6. Fixed CCNET command applicability after bills retraction.
   That prevents invalid/unexpected operations of the unit when the banknotes are inside of dispenser.
7. Fixed chassis update using CPU memory card.
8. MODULE IDENTIFICATION command has been enabled in IDLING state.
9. Greeting message has been changed to "SUZOHAPP".

Limitations:
1. Barcodes processing is disabled.
2. Diagnostic feature has been disabled.
3. Maintenance mode (cleaning card) support is not supported.
4. Jam/Power recovery is limited because of transparent windows on the banknotes.

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5. Bill retraction functionality is limited for polymer banknotes with transparent windows. "Empty Dispenser" command must follow immediately after bill retraction (state "CA").

BB-USCA1682	06/17/14	BB300	USA + Canada	CCNET

Processing of new polymer 5 and 10 CAD, issued in 2013, has been introduced.

BB-USCA1680	05/31/13	BB300	USA + Canada	CCNET

1. Acceptance rate of polymer 20 CAD issued in 2012 has been improved based on the latest samples of street grade bills as well as bill samples from the second printing facility.
2. Acceptance rate of polymer 50 and 100 CAD have been improved based on the latest samples of street grade bills.
3. 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.
4. This feature has been implemented for 0xE1, 0xE2, 0xE3, 0xE4, 0xE5, 0xE6 error codes.
5. Jam recovery during Dispense has been introduced: if time-out of bill arriving to the input 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.

BB-USCA1671	09/12/12	BB300	USA + Canada	CCNET

First release.
Distinctive features are:
1. Barcode not supported.
2. Chassis soft download via CCNET.
3. 'SET OPTIONS' and 'GET OPTIONS' commands have been added to CCNET.
4. 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)
5. Loss of cassette setting "Not Assigned" after RESET has been eliminated.
6. Control of thermo heater in metal dispenser has been added.
7. 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.
8. Set higher priority to the indication of "BOX REMOVED" state.
9. Make "RECYCLING CASSETTE STATUS" request accessible only in IDLING, DISABLED, ESCROW states (according to "CashCode NET" description).
10. Power recovery not supported.
11. Nonvolatile counters for counting all dispensed or unloaded bills have been added.
12. Commands "POWER RECOVERY", "EMPTY DISPENSER", "EXTENDED CASSETTE STATUS" have been included to CCNET.
13. Errors related to setting date/time from B2B keypad in Service mode have been fixed.
14. The following error has been fixed: if remove a cassette from the chassis BB keeps trying to pack bills to that cassette.
15. "GET STATUS" command is enable only in IDLING and DISABLED states according to CCNET specification.
16. Error with displaying of "Not Assigned" state for recycling cassettes in Service mode has been fixed.
17. Fix for unload in case when some bills were manually removed from the cassette has been brought in.

18. Switching to download mode has been prohibited in the following error states: ERROR_LINK_SENS_HV, ERROR_MAGN_SENS_HV and ERROR_OPT_SENS_HV (all failures of Sense-a-Click).
19. Software RESET has been prohibited in the following states: ERROR_LINK_SENS_HV, ERROR_MAGN_SENS_HV and ERROR_OPT_SENS_HV (all failures of Sense-a-Click).
20. Command "READ BB-DEVICES SERIAL NUMBER" has been added to CCNET.
21. BB turns to IDLING through chassis re-initialization after the following sequence: drop box removal, chassis removal, then chassis replacement and drop box replacement.
22. 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.
23. Country code has been replaced with currency code in all internal tables.
24. Barcode is prohibited to be stacked to the recycling cassette.
25. BB suspends dispensing and reports BOX REMOVED if drop box was removed over dispensing; BB will resume dispensing after drop box replacement.
26. Diagnostic has been introduced.
27. 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.
28. FEED LEVEL capability has been introduced.
29. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY LIMIT have been added to CCNET.
30. BB statistics in new format has been introduced.
31. Processing of EMPTY DISPENSER command has been modified to prevent false credit report in non-applicable states.
32. 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.