Revision History

Item No.	Release Date	Device	Country	Comm. Protocol
Commentary				

BB-EUDK1187　　06/17/21　　BB300　　Euro + Denmark　　CCNET

1. Processing of new 500 DKK (serie 2009A, issued in 2020) has been introduced.
2. Overall acceptance rate has been improved.
3. Implemented automatic restoring of the recycling cassette capacity limit after restart ("Reset" command, power interruption, etc.).

Limitations:
1. Maintenance Mode can be enabled using Communication Protocol only.

BB-EUDK1186　　02/27/19　　BB300　　Euro + Denmark　　CCNET

4. Processing of new 100 EUR (2019) and 200 EUR (2019) has been introduced.
5. Counterfeits protection has been improved for 100 EUR.
6. Acceptance rate for EUR banknotes has been improved.
7. Implemented workaround for potential recoverable bezel indication problem in Idling state.
8. Fixed regression which prevented Dispensing Command to be process properly after Power Cut or Failure.

Limitations:
1. Maintenance Mode can be enabled using Communication Protocol only.

BB-EUDK1185　　06/20/17　　BB300　　Euro + Denmark　　CCNET

1. Detection and rejection of counterfeits 50 EUR (2002) has been improved based on samples received from the field.
2. Support of 50 EUR (2017) banknotes with "R"-code, printed by BUNDESDRUCKEREI, has been added.
3. Fixed CCNET command applicability after bills retraction.
   That prevents invalid/unexpected operations of the unit when the banknotes are inside of dispenser.

Limitations:
1. Maintenance Mode can be enabled using Communication Protocol only.

BB-EUDK1184　　03/03/17　　BB300　　Euro + Denmark　　CCNET

1. Processing of new 50 EUR (2017) has been introduced.
2. Processing of 5 EUR, 10 EUR and 20 EUR, issued in 2002, has been disabled.
3. Detection and rejection of paper infused banknotes has been implemented.
4. Overall acceptance rate has been improved.
5. "EMPTY DISPENSER" command has been enabled in 0xCA failure state.

Limitations:
1. Maintenance Mode can be enabled using Communication Protocol only.

BB-EUDK1183　　08/12/15　　BB300　　Euro + Denmark　　CCNET

1. Processing of new 20 EUR (2015) has been introduced.

2. Acceptance of 500 EUR (2002) and 1000 DKK (2011) has been improved.
3. Rejection of folded EUR banknotes has been improved to prevent cross-validation.
4. Detection and rejection of EUR counterfeits has been improved.
5. Fixed situation when unit could enter endless initialization loop.
6. Reduced probability of false "CHEATED" reports.
7. Fixed Power recovery issues during stacking.
8. Fixed missing message about unloaded bills before BOX FULL message.
9. Corrected processing of Statistics counters for bills, packed into cassette after "Power cut during stacking".
10. Eliminated false Power recovery report during initialization after BOX FULL message.

Limitations:
1. Maintenance Mode can be enabled using Communication Protocol only.

BB-EUDK1182	03/09/15	BB300	Euro + Denmark	CCNET

1. Overall acceptance rate has been improved.
2. Rejection of folded new 10 Euro has been improved to prevent cross-validation.
3. Detection and rejection of counterfeits has been improved.
4. Processing of Barcodes has been improved.
5. Eliminated random false "BOX FULL" reports.
6. Maintenance mode (cleaning card) support added.
7. "CashCode" was changed to "Suzo-Happ Group" everywhere.
8. Bill length transfer into chassis was implemented.
9. DISPENSED message added in case of Dispenser failure during Dispensing operation.
10. CCNET_READ_MODULES_ID support became enabled for Idling mode.
11. Credit message added when reset on accepting.
12. Infinite initialization cycle is fixed. Unit can exit this multifunction state upon reception "RESET" command.
13. Optical length filter was implemented.
14. Fixed issues with "BOX REMOVED" reporting.
15. Service mode support is re-enabled.
16. Added checking for magnetic sensors' defects.
17. Chassis update using memory card is fixed.

Limitations:
1. Maintenance Mode can be enabled using Communication Protocol only.

BB-EUDK1181	09/09/14	BB300	Euro + Denmark	CCNET

Introduction of new 10 EUR.

BB-EUDK1180	04/05/13	BB300	Euro + Denmark	CCNET

1. Processing of new 5 EUR to be issued in 2013 has been introduced.
2. Performance improvement to 5, 10, 20 and 50 EUR.
3. Processing of new 500 DKK and 1000 DKK issued in 2011 has been introduced.
4. BB statistics in new format has been introduced.
5. 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.
6. 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.

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7. 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-EUDK1167	12/03/10	BB300	Euro + Denmark	CCNET

1. Processing of new 200 DKK issued in 2010 has been introduced.
2. Acceptance of 100 DKK has been improved based on the latest samples of street grade bills.

BB-EUDK1165	04/05/13	BB300	Euro + Denmark	CCNET

1. Processing of new 100 DKK issued in 2010 has been introduced.
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-EUDK1163	03/24/10	BB300	Euro + Denmark	CCNET

1. Processing of new 50 DKK issued in 2009 has been introduced.
2. FEED LEVEL capability has been introduced.
3. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY LIMIT have been added to CCNET.

BB-EUDK1159	04/02/09	BB300	Euro + Denmark	CCNET

1. Acceptance of 50 DKK has been improved based on the latest samples of street grade bills.
2. Diagnostic command has been introduced (see MAN_CCNET d7 Rev.2.5.1).
3. Problem with barcodes stacked to the Escrow cassette (must be packed into drop box only) has been fixed.
4. If drop box is removed over dispensing then BB suspends dispensing and reports BOX REMOVED, dispensing will be resumed after drop box replacement.
5. Country code has been replaced with currency code in all internal tables.
6. 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.

BB-EUDK1153	02/06/07	BB300	Euro + Denmark	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. Non-volatile 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 has been implemented.
29. BB turns to IDLING through chassis re-initialization after the following sequence: drop box removal, chassis removal, then chassis replacement and drop box replacement.
30. The keeping of correct BB statistics has been brought in (failure counters).
31. 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.