Revision History

No	Item No.	File Name	Release Date	Device	Country	Comm. Protocol
		Commentary				

| 1 | **BB-CN1671** | FL-CN6AAJ6-2.71-BB.hex | 02/07/13 | BB | China | CCNET |

1.Overall acceptance rate has been improved according to the latest samples
 of street grade bills.
2.Performance improvement to 20,50,100 CNY.
3.Processing of 2 CNY has been excluded from bill processing.
4. Barcode not supported.

| 2 | **BB-CN1170** | FL-CN7AAJ1-2.70-BB.hex | 02/15/12 | BB | China | CCNET |

1. Overall acceptance rate has been improved based on the latest
samples of street grade bills.
2. FEED LEVEL capability has been introduced.
3. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY
LIMIT have been added to CCNET.
4. Processing of EMPTY DISPENSER command has been modified to prevent
false credit report in non-applicable states.
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. BB statistics in new format has been introduced.

| 3 | **BB-CN1159** | FL-CN7AAJ1-2.59-BB.hex | 12/24/08 | BB | China | CCNET |

1. Overall acceptance rate has been improved according to the latest
  samples of street grade bills.
2. Counterfeit protection has been improved based on the latest samples of
  5, 10, 20, 50 and 100 CNY counterfeits.
3. Diagnostic command has been introduced.
4. Problem with barcodes stacked to the Escrow cassette (must be packed into
  drop box only) has been fixed.
5. If drop box is removed over dispensing then BB suspends dispensing and
  reports BOX REMOVED, dispensing will be resumed after drop box replacement.
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.

| 4 | **BB-CN1155** | FL-CN7AAJ1-1.55-BB.hex | 04/26/07 | BB | China | CCNET |

1. Counterfeit protection has been enhanced according to the latest samples of
  glued new 50 & new 100 CNY counterfeits.
2. Processing of new 5, 10, 20, 50 & 100 CNY issued in 2005 has been introduced.
3. Pass sensor's processing during bill packing has been improved
  to prevent rejection of single bills.
4. 'SET OPTIONS' and 'GET OPTIONS' commands have been added to CCNET.
5. 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)
6. Loss of cassette setting "Not Assigned" after RESET has been eliminated.
7. Control of triangle wheel in metal bezel during bill accepting has been
  improved to prevent the bill sticking.
8. Control of thermo heater in metal dispenser has been added.
9. 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"

Commentary

and turn to the regular self-testing.

10. Set higher priority to the indication of "BOX REMOVED" state.

11. Make "RECYCLING CASSETTE STATUS" request accessible only in IDLING,
 DISABLED, ESCROW states (according to "CashCode NET" description).

12. Do not erase an IDENTIFICATION NUMBER of BB unit in statistics after
 download to the validating head the software designed for another country.

13. BB power recovery feature has been introduced.

14. Nonvolatile counters for counting all dispensed or unloaded bills have been
 added.

15. Commands "POWER RECOVERY", "EMPTY DISPENSER", "EXTENDED CASSETTE STATUS"
 have been included to CCNET.

16. Size of the transparent window on the banknote has been brought in to be
 taken into account during transporting of the bill.

17. Errors related to setting date/time from B2B keypad in Service mode
 have been fixed.

18. The following error has been fixed: if remove a cassette from the chassis
 BB keeps trying to pack bills to that cassette.

19. "GET STATUS" command is enable only in IDLING and DISABLED states
 according to CCNET specification.

20. Error with displaying of "Not Assigned" state for recycling cassettes
 in Service mode has been fixed.

21. Prohibit switching to download mode in the following error states:
 ERROR_LINK_SENS_HV, ERROR_MAGN_SENS_HV and ERROR_OPT_SENS_HV.

22. Prohibit performing software RESET in the following error states:
 ERROR_LINK_SENS_HV, ERROR_MAGN_SENS_HV and ERROR_OPT_SENS_HV.

23. Add "READ BB-DEVICES SERIAL NUMBER" command to CCNET.

24. Remove the control of stand-by battery.

25. Fix for unload in case when some bills were manually removed from
 the cassette.

26. BB turns to IDLING through chassis reinitialization after the following
 sequence: drop box removal, chassis removal, then chassis replacement
 and drop box replacement.

27. The keeping of correct BB statistics has been brought in (failure counters).

28. 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.

No	Item No.	File Name	Release Date	Device	Country	Comm. Protocol
5	**BB-CN1148**	FL-CN7AAJ1-1.48-BB	07/06/05	BB	China	CCNET

1. Metal bezel support is implemented (without influence on the acceptance rate)

2. Barcode recognition is included.

3. Jam (credit loss) in case when two bills are inserted one after another is
 eliminated.

4. Control of centering mechanism is improved (sticking of "jaws" in validating
 head is eliminated).

5. Chassis software download via CCNET is supported.

6. CCNET interface has been updated:
 - command for chassis software download has been added;
 - "Extended Identification" command has been included;
 - such option as turn to main program's download stage from "BV_Failure"
  and "BV_Box_Removed" states has been added.

7. Short coupons (tickets, business cards, vouchers) returning has been
 improved: the object (coupon) was not moved out enough during returning
 to let the user extract it, now the issue is resolved based on
 coupon size 85mm * 53mm.

8. Bill drop during rejecting or returning has been eliminated.