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## **Revision History**

1	BB-US1180							
	<u>BB-031100</u>	FL-US7AAJ1-1.80-BB.hex All the latest softwa of Bill-to-Bill produc	·	USA preparation for the dives	CCNET stiture			
2	BB-US1170	2. Overal acceptance	ce has been improve	USA in 2010 has been introdu ed based on the latest sa				
		of street grade bills.  3. Barcode is prohibited to be stacked to the recycling cassette.						
		·		BOX REMOVED if drop				
		placement.						
			5.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		•	ito the moment			
		6. Diagnostic has be	•					
		7. FEED LEVEL ca	pability has been int	troduced.				
				CITY LIMIT and GET CA	ASSETTE CAPACITY LIMIT			
		have been added						
		9. BB statistics in n			adified to provent folia			
		credit report in non-		R command has been me	ballied to prevent false			
		-		bill rather than reports or	ne of the			
			-	modification allows to p				
		inside BB switch.						
3	BB-US1158	FL-US7AAJ1-1.58-BB.hex	03/19/08 BB	USA	CCNET			
		1. Processing of ne	w 5 USD issued in 2	2008 has been introduce	ed.			
2. Counterfeit protection has been improved based on the latest samples								
		of 50 USD counterfeit and high-quality 100 USD counterfeits.						
		<ul><li>3. Country code has been replaced with currency code in all internal tables.</li><li>4. BB turns to IDLING through chassis reinitialization after the following</li></ul>						
		sequence: drop box removal, chassis removal, then chassis replacement						
		and drop box repl		initialization has been im	anlamantad			
		5. 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 attach 6. BB statistics (fail		supported yet.				
	DD 1104450	FL 110744 14 4 50 DD 1	, , , , , , , , , , , , , , , , , , ,		OONET			
ŀ	BB-US1152	FL-US7AAJ1-1.52-BB.hex  1 Prohibit switching	08/08/06 BB	USA in the following error sta	CCNET			
		ERROR_LINK_SI	ENS_HV, ERROR_	MAGN_SENS_HV and E	ERROR_OPT_SENS_HV.			
		•	•	in the following error sta				
					ERROR_OPT_SENS_HV.			
<ol> <li>Add "READ BB-DEVICES SERIAL NUMBER" command to CCNET.</li> <li>Remove the control of stand-by battery.</li> </ol>								
		5. Fix for unload in case when some bills were manually removed from						
		the cassette.						
	BB-US1151	FL-US7AAJ1-1.51-BB.hex	04/25/06 BB	USA	CCNET			

to prevent rejection of single bills.

2. 'SET OPTIONS' and 'GET OPTIONS' commands have been added to CCNET.

## Commentary

- 3. 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)
- 4. Loss of cassette setting "Not Assigned" after RESET has been eliminated.
- 5. Control of triangle wheel in metal bezel during bill accepting has been improved to prevent the bill sticking.
- 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.
- Make "RECYCLING CASSETTE STATUS" request accessible only in IDLING, DISABLED, ESCROW states (according to "CashCode NET" description).
- Do not erase an IDENTIFICATION NUMBER of BB unit in statistics after download to the validating head the software designed for another country.
- 11. BB power recovery feature has been introduced.
- Nonvolatile counters for counting all dispensed or unloaded bills have been added.
- 13. Commands "POWER RECOVERY", "EMPTY DISPENSER", "EXTENDED CASSETTE STATUS" have been included to CCNET.
- 14. Size of the transparent window on the banknote has been brought in to be taken into account during transporting of the bill.
- Errors related to setting date/time from B2B keypad in Service mode have been fixed.
- 16. The following error has been fixed: if remove a cassette from the chassis BB keeps trying to pack bills to that cassette.
- 17. "GET STATUS" command is enable only in IDLING and DISABLED states according to CCNET specification.
- 18. Error with displaying of "Not Assigned" state for recycling cassettes in Service mode has been fixed.
- 19. Processing of new 10 USD issued in 2005 has been added.

6 <u>BB-US1149</u> FL-US7AAJ1-1.49-BB 08/19/05 BB USA CCNET

Distinctive features are:

- Pass sensor's processing during bill packing has been improved to prevent rejection of single bills.
- 2. 'SET OPTIONS' and 'GET OPTIONS' commands have been added to CCNET.
- 3. 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)

- 4. Loss of cassette setting "Not Assigned" after RESET has been eliminated.
- Control of triangle wheel in metal bezel during bill accepting has been improved to prevent the bill sticking.
- 6. Bill drop during rejecting or returning has been eliminated.

7 BB-US1147 FL-US7AAJ1-1.47-BB 04/14/05 BB USA CCNET

Error in download procedure of chassis software via CCNET was fixed

8 <u>BB-US1746</u> FL-US7AAJ1-1.46-BB 04/04/05 BB USA CCNET

Chassis soft download via CCNET was added; short bill returning was improved; CC NET interface was updated by adding the command for chassis soft download + comm and 'Extended Identification' + turn to download from 'BV\_Failure'&'BV\_Box\_Remov ed' states

No	Item No.	File Name Commentary	Release Date Device	Country	Comm. Protocol Page 3				
9	BB-US1745	FL-US7AAJ1-1.45-BB	03/09/05 BB	USA	CCNET				
	Improved control of centering mechanism during bill rejecting or returning								
10	BB-US1744	FL-US7AAJ1-1.44-BB	03/01/05 BB	USA	CCNET				
		Metal bezel is supported; barcode recognition was added;							
		jam (credit loss) prevention is implemented							
11	BB-US1742	FL-US7AAJ1-1.42-BB	01/31/05 BB	USA	CCNET				
	Acceptance of \$1; \$50('96) & \$100('95) bills was improved								
12	BB-US1740		12/21/04 BB	USA	CCNET				
	First release for new hardware								