October 12, 2018

## **Revision History**

Commentary BB-CA1184 1. Processing of				Protocol		
1 Processing o	10/12/18	BB300	Canada	CCNET		
<ol> <li>Acceptance</li> <li>Implemente</li> <li>Limitations:</li> <li>Jam/Power</li> </ol>	rate for commemorative per ed workaround for potentia recovery is limited because on functionality is limited.	olymer 10 CAD (201 I recoverable bezel of transparent wind	indication problem in Idling	state.		
BB-CA1183	10/17/17	BB300	Canada	CCNET		
Limitations: 1. Jam/Power	recovery is limited because on functionality is limited. "I	of transparent wind	d by introducing a new bill p dows on the banknotes. ommand must follow immed			
BB-CA1182	06/30/17	BB300	Canada	CCNET		
<ol> <li>Processing of</li> <li>Fixed CCNET</li> </ol>	Processing of new commemorative polymer 10 CAD (2017) has been introduced. Processing of 5, 10, 20, 50 and 100 CAD, issued before 2004, has been disabled. Fixed CCNET command applicability after bills retraction. That prevents invalid/unexpected operations of the unit when the banknotes are inside of dispenser.					
1. Jam/Power	•		dows on the banknotes. ommand must follow immed	diately after bill		
BB-CA1180	07/24/15	BB300	Canada	CCNET		
<ol> <li>Overall acce</li> <li>Added jam r</li> <li>Infinite initia prevent mer</li> <li>Maintenanc</li> <li>Eliminated f</li> <li>Limitations:</li> </ol>	<ol> <li>Processing of creased polymer 5 CAD has been improved.</li> <li>Overall acceptance rate has been improved.</li> <li>Added jam recovery functions (in unloading and dispensing).</li> <li>Infinite initialization cycle is fixed. Root cause found and resolved by putting a boundary check to prevent memory corruption during scanning.</li> <li>Maintenance mode (cleaning card) support added.</li> <li>Eliminated false bills rejection accompanied by "CHEATED" message.</li> </ol>					
BB-CA1173	10/28/13	BB300	Canada	CCNET		

October 12, 2018

Processin	g of new 5 and 10 CAD to be issue	ed in 2013 has been	introduced.			
<u>BB-CA1172</u>	03/14/13	BB300	Canada	CCNET		
of stre 2. Accep	tance rate of polymer 20 CAD iss eet grade bills as well as bill samp tance rate of polymer 50 and 100 eet grade bills.	les from the second	d printing facility.			
BB-CA1171	11/13/12	BB300	Canada	CCNET		
Processing	g of new 20 CAD issued in 2012 h	as been introduced				
<u>BB-CA1170</u>	01/31/12	BB300	Canada	CCNET		
<ol> <li>BB sta</li> <li>Proce applic</li> <li>During</li> </ol>	ssing of new 100 CAD issued in 20 atistics in new format has been in ssing of EMPTY DISPENSER comm able states. g packing BB tries to reject a bill r 5, C2 or E5. This modification allo	troduced. hand has been mod rather than reports	fied to prevent false credit one the following errors:			
BB-CA1164	06/15/10	BB300	Canada	CCNET		
<ol> <li>Barco</li> <li>BB suresting</li> <li>BB with</li> <li>Point chang to dis</li> <li>Diagn</li> <li>FEED</li> </ol>	Overall acceptance rate has been improved according to the latest samples of street money. Barcode is prohibited to be stacked to the recycling cassette. BB suspends dispensing and reports BOX REMOVED if drop box was removed over dispensing; BB will resume dispensing after drop box replacement. 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. Diagnostic has been introduced. FEED LEVEL capability has been introduced. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY LIMIT have been added to CCNET.					
BB-CA1153	12/22/06	BB300	Canada	CCNET		
<ol> <li>BB turning</li> <li>Drop</li> <li>The kr</li> <li>The in</li> </ol>	ssing of new 5 & 50 CAD issued in rns to IDLING through chassis re-i box removal, chassis removal, the eeping of correct BB statistics has nproved algorithm of drop box in always able to determine if drop	nitialization after th en chassis replacem been brought in (fa itialization has beer	ne following sequence: ent and drop box replacen ailure counters). n implemented in order to			
BB-CA1152	07/13/06	BB300	Canada	CCNET		
2. Enhar algori	ol of thermo heater in metal disp ace the algorithm of BB self-testir thm of "device recovery after PO gher priority to the indication of '	ng: if cassette(s) is(a WER DOWN" and tu	re) removed, software has urn to the regular self-testi			

## SUZOHAPP

October 12, 2018

- 4. Make "RECYCLING CASSETTE STATUS" request accessible only in IDLING, DISABLED, ESCROW states (according to "CashCode NET" description).
- 5. Do not erase an IDENTIFICATION NUMBER of BB unit in statistics after download to the validating head the software designed for another country.
- 6. BB power recovery feature has been introduced.
- 7. Non-volatile counters for counting all dispensed or unloaded bills have been added.
- 8. Commands "POWER RECOVERY", "EMPTY DISPENSER", "EXTENDED CASSETTE STATUS" have been included to CCNET.
- 9. Size of the transparent window on the banknote has been brought in to be taken into account during transporting of the bill.
- 10. Errors related to setting date/time from B2B keypad in Service mode have been fixed.
- 11. The following error has been fixed: if remove a cassette from the chassis BB keeps trying to pack bills to that cassette.
- 12. "GET STATUS" command is enable only in IDLING and DISABLED states according to CCNET specification.
- 13. Error with displaying of "Not Assigned" state for recycling cassettes in Service mode has been fixed.
- 14. Prohibit switching to download mode in the following error states: ERROR\_LINK\_SENS\_HV, ERROR\_MAGN\_SENS\_HV and ERROR\_OPT\_SENS\_HV.
- 15. Prohibit performing software RESET in the following error states: ERROR\_LINK\_SENS\_HV, ERROR\_MAGN\_SENS\_HV and ERROR\_OPT\_SENS\_HV.
- 16. Add "READ BB-DEVICES SERIAL NUMBER" command to CCNET.
- 17. Remove the control of stand-by battery.
- 18. Fix for unload in case when some bills were manually removed from the cassette.

<u>BB-CA1149</u>	08/11/05	BB300	Canada	CCNET
Distinctive features are:				

Distinctive features are:

- 1. 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)
- 5. Loss of cassette setting "Not Assigned" after RESET has been eliminated.
- 4. 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. Processing of new 10 CAD issued in 2005 has been added.

<u>BB-CA114</u>	<u>7</u>	04/20/05	BB300	Canada	CCNET
Firs	st release for new hardw	ware:			
1.	Metal bezel support.				
2.	Barcode recognition.				
3.	Jam (credit loss) preve	ntion.			
4.	Chassis soft download	via CCNET.			
5.	Improvement of short	bill returning.			

6. Bill drop prevention.