NOVABUS

INFORMATION LETTER

REFERENCE:	Nova Bus Manuals		
SECTION:	13: Destination Signs		
RS Nº:	MQR 7621-963		
EFFECTIVE IN PROD.:	L840 (2015NO)		

APPLICATION DEADLINE: N/A

SUBJECT:	Axion OSCP module
JUSTIFICATION:	Destination Sign OSCP Software May Freeze

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	**MATERIAL**	
1	Software update.	Client	Client	10 min
2	–	–	–	–

MATERIAL

QTY	PART Nº	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
–	–	–	–	–
LEVEL 2				
–	–	–	–	–

DISPOSAL OF PARTS

	DISCARDED	RETAINED	
REMOVED PARTS ARE:			

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2015DE09	Initial release	André Pelletier

APPROVED BY:

PROCEDURE

1.1.   The supplier, Axion, will work directly with NYCT to implement the new software update.

1.2.   The procedure below, written by Axion, is supplied for reference only.❖

⚠️ **WARNING**

Follow your internal safety procedures.

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	DESCRIPTION: OSCP FIELD MODIFICATION INSTRUCTION		
ÉMISE / ISSUED: 2015-09-24	RÉVISÉE / REVISED: 2015-11-09	N° RÉVISION / REVISION No.: C	

PROCÉDURE DE MODIFICATION / MODIFICATION PROCEDURE

POSTE	OPÉRATION / OPERATION	CONTRÔLE-CROQUIS / SKETCH CONTROL	RÉFÉRENCE / REFERENCE
	To update the OSCP OS to 2.0.3.0 and bootloader to c and application to 2.0.1.0, proceed as follows: **Requiered Materials** • OSCPs to be updated • USB Keys		
1.	Insert a USB key into a PC.		
2.	On the USB key create the folder **AXION-FIRMWARE** (case sensitive)		
3.	Copy the files **apps.tar.gz** and **manifest** into the **AXION-FIRMWARE** folder or use the USB key suppplied by Axion for this specific usage.		Files in 8600177 folder on Axion server.
4.	Power up the OSCP (ensure the power is on for the entire update procedure).		
5.	Test farebox communication by entering a route number using the farebox interface. If communication fails, put a flag on the bus and notify Axion field technician. Proceed to next step.		
6.	When the OSCP is booted, insert the USB key into the USB port.		
7.	Select **Firmware update** option and press the **Start** button.		

Rédigée par / Written by:	PIERRE-MARC LAVOIE	Approuvée par / Approved by:	STEVE BREAULT
Init.: PML Date: 2015-10-27		Init.: [signature] Date: 2015-10-27	

AXION TECHNOLOGIES

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PROCÉDURE DE MODIFICATION / MODIFICATION PROCEDURE

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8.	After about 45 seconds the **Done** message appears. Otherwise, wait for 10-15 additional seconds and remove USB key.		
9.	Press the **Destination Sign** and **Diagnostic** buttons. Enter password **9595** and press **ENTER**.		
10.	Press **Reboot**.		
11.	The unit will reboot twice. The first reboot to update the Bootloader and OS and the second reboot to update and start the application.		
12.	Complete rebooting takes about 1 minute 45 seconds.		
13.	Press the **Destination Sign** and **Diagnostic** buttons. Enter password **9595** and press **ENTER**.		
14.	Select **Signs - Network** and ensure that OSCP APP reads 2.0.1.0 and OSCP OS reads c 2.0.3.0.		
15.	Load Database, Wi-Fi config, Parameters, Bus number, etc., and make sure all parameters are OK.		
16.	Do multiple shut down. (You already did one when you power up the bus after the mod).		
17.	For the second one, shutdown the sign normally using the driver switch. By the time you wait for the bus to shutdown, go around the bus and verify the side and rear sign are operational		

PROCÉDURE DE MODIFICATION / MODIFICATION PROCEDURE

POSTE	OPÉRATION / OPERATION	CONTRÔLE-CROQUIS / SKETCH CONTROL	RÉFÉRENCE / REFERENCE
18.	When the system is shutdown, power it up using the driver's switch		
19.	For the last shutdown, disconnect and reconnect the OSCP – 9 positions connector from the Front sign		
20.	Perform the P.D.I. inspection :		
20.1.	Check that Bus # is enter correctly in the OSCP		
20.2.	Check that time and date are correct		
20.3.	Check that WiFi is activated and it have an IP adress		
20.4.	Check that you have a database version #		
20.5.	Check MAC adresses		
21.	If step 5 was fail, go to step #23.		
22.	Test farebox communication by entering a route number using the farebos interface		
23.	End of procedure		