Maintenance Job Planning/Estimating Worksheet							
Planner: WO#:					Date:		
Job Contact: Location:						Asset ID#:	
Job Des	cription:	This job plan guides you through upo	grading the firmw	are on DG1	drives.		
Job Scope							
					Total		
Job				Number of	Estimated		
Plan				Resources	Labor		
Seq. Task Description Task Duration			Required	Hours	Reference Pictures		
			PLEAS	E READ			
update.	It is recor	sion firmware requires the same step mmended to setup all spare profib ade the card. A v36 profibus card p f	us cards to v35	firmware! Th 35 drive will	nis way if the not passivel	card needs to be used	d on a v36 drive, the drive
				Inte		e Parameter Fi	
	Firm	ware Version and File Na	me		(Par	ameter #: P21.2	2.2/3)
V34 Firmware (file name: DG1_C0034/V0034)				01.03.XXXX			
V35 Firmware (file name: DG1_C0035-ETN/V0035-ETN)				02.00.XXX			
<u> </u>		(200 = 111,	02.00.0000			
V36 Firmware (File name: DG1_C36.05/V36.05)				02.01.XXXX or V36.05			
			Setting up the F	irmware Sof	tware		
			setting up the F	illiwale 30i	tware		
0		"Eaton-xpert-oneinstaller", this will both the drive software, and the firmware upgrade tool.	0.00	1	0.00	Link to sof	tware download
4.0		ove link is broken, you can also try irectly from Eatons website.	0.00			<u>Link</u>	to website
10				1	0.00		
20	may not on the case You many if don't se	stalled the Firmware Upgrade Tool get a shortcut generated for it, if this e navigate to the root folder. *NOTE: not have exact file path to the right, se the tool in the path to the right go eaton" folder and look around in all "Power Xpert" folders.	0.00	1	0.00		x86)\Eaton\Power Xpert ware Upgrade Tool
30	If you can't find it then we can try installing the standalone firmware tool. Link to standalone firmware tool 1 0.00		e firmware tool software				
30				'	0.00	I	

Downloading the required Firmware files					
Store the firmware files in your NACF-AE drive VFD Config backup folders for future use!					
40	Version 35 files can be found at the link to the right. *NOTE: You require both the C35 and V35 file! When setting up the file in the software use the C file! Both files must be in the same file path!	0.00	1	0.00	<u>V35 Firmware files</u>
	Version 36 files can be found at the link to the right. *NOTE: You require both the C35 and V35 file! When setting up the file in the software use the C file! Both files must be in the same file path!	0.00	1	0.00	<u>V36 Firmware files</u>
	If the above links are broken, you can also download the firmware directly from Eaton. Follow the link to the right.	0.00	1	0.00	<u>Eaton Website</u>
		Upgrading	the firmware	9	
0	Connect to the DG1 using a laptop with the required firmware installed, and the DG1 Ethernet to USB cable from Eaton. Launch the firmware upgrade tool software.	0.1 0.05	<u>1</u>	0.1	Lates Preset Ngari in Central - Fermase Vigrada Tead Configuration Fig. Application Enforcement Main pressure J. 2010,0001 Application Enforcement Main pressure J. 2010,0001 Configuration Fig. Configuration Figuration Fig. Configuration
20	Set your "configuration file" path to the "C" file of the version you are flashing the VFD to.	0.05	1	0.05	© Eather Prover Yight InControl - Fremmate Upgrade Bod Options Help Cardiguation Configuration File Standard Standard Script File Frequent

30	Set your slave address to 18, and the port to the assigned port found in demanager.		0.05	1	0.05	© Exten Prover Zigent in Control - Firmware Upgrade Tool Options - Nelly Configuration - Nelly Configuration -	on formage of France COSTV-08-001_CM-05-sed Browse
40	Once the slave address is set, and the comport is set, click "connect". *NOTE: If the drive fails to connect, double check your connection, and the chosen comport.		0.05	1	0.05	■ Enter Frener Egent in Control - Finnment byggade had Coptions. Help Configuration Configuration Configuration Sieve Address: ■ COMPart COMS Product Code Product Code Product Code Product Code	- D X on firmage of Francisco DSTV/FRDD LCMS:mill Browne Connect Social Munder - Program
50	Navigate the list below and check all the boxes on the left hand side for the firmware files you need to upgrade. *NOTE: Keypad firmware can be skipped *NOTE: If this is a spare drive/card, or your only updating the profibus card firmware, only update the card to v35. DO NOT update a profibus card to a v36 spare.		0.05	1	0.05	Size Address B	
60	Once the required boxes are check "Program". The software will now supdating the VFD. DO NOT DISCON THE DRIVE OR REMOVE POWER: drive may become inoperable if this o	start NECT ! The	0.25	1	0.25	© Eaton Power Yeart InControl - Foremark Upgrade Tecl - (111 Copiosis Help Configuration Configuration File College Configuration Size Adults III COM Pow COMS Product Name Eaton VIV Product Name Eaton VIV Product Name Common C	on formular of Feminiary (2011/231/2011-2033-111) and Feminiary (2011/231/2011-2033-111) and Feminiary (2011/231/2011-2033-111) and Feminiary (2011/2011-2033-111) and Feminiary (2011/2011-20
70	Once the firmware update is complete will verify the update. Once complete NOT just unplug the VFD! Click "Disco at the top to take the drive out of firm flash mode.	e DO onnect"	0.05	1	0.05	© Laten Preset Niget in Cardell - Firmward Upgrade Tool Options - Nelp Configuration - Nelp Configuration - Nelp Configuration File Coultery model file of Configuration File Coultery model file Coultery of Coultery Coultery - Nelp Coulter	
	Total Job Plan Duration:	0.65		ıl Backlog La	abor Hours:		0.65
				Required			210:11
Seq#	Material Description/Spe	ecificatio	n	Quantity	Price/Unit	Total Cost	SKU#
					\$0.00 \$0.00	\$ - \$ -	
					\$0.00	\$ -	
			Total Ma	atorial Cost	¢		_
				aterial Cost: equirements			-
	Permits: Confined Space Entry Hot Work Lockout/Tagout						
PPE: Safety Glasses, Safety Shoes, Gloves							
Additional Comments:							
Special Tools Needed: Laptop, Eaton DG1 Ethernet to USB connection cable.							

(Insert Job Site Photos)