

SEM1 Certification FEI XL-30 SEM

User Name: _____

Item No.	Item Description	Trainer Initial	Trainee Initial	Date
1.0	Know location of manuals and understand how to log usage			
2.0	Identify components of the instrument			
3.0	Understand safety aspects and safe usage of the instrument including reading the "Safe Usage of the FEI SEM" sheet			
4.0	Demonstrate ability to load a sample and set the Z-distance correctly in relation to the working distance and understand the significance of this			
5.0	Demonstrate ability to focus an image and correct for astigmatism			
6.0	Understand software menus including all "Detector" modes and their usage			
7.0	Understand how beam voltage, spot size and scan rates affect samples and images			
8.0	Demonstrate ability to return instrument to appropriate safe state for the next user			

Certification completed:

Signature of trainee

Date

Signature of trainer

Date