



Appendix F

Mobile Robotics

SECONDARY

Appendix F: Inspection Sheet

Skills Canada Mobile Robotics Inspection

Team:

Inspector(s):

Criteria		Notes	Pass/Fail
Safety	Kill Switch Operation		
	Kill Switch Mounting		
	Wiring Diagram		
	Safety Data Sheet(s)		
	Batteries? <ul style="list-style-type: none"> - Sealed commercial batteries? - Securely mounted? - Properly wired? 		
	Battery Storage <ul style="list-style-type: none"> - Appropriate off robot battery storage 		
	Maximum voltage in circuits?		
	Fuse/Breaker rating?		
	Fuse/Breaker in appropriate location?		
	Total Power Rating?		
	Pneumatic System <ul style="list-style-type: none"> - In use? - 100 PSI Max? - Safety Valve? - Competitor made/modified air pressure hardware? - Pressure tanks and gauges protected from damage? - Pressure circuit diagram provided? 		
	Competitor Eye Protection?		

	Pit Inspection <ul style="list-style-type: none"> - Tidy area? - Tripping hazards? - Other notes? 		
Robot Inspection	Starting Tele-op Robot(s) Volume?		
	Autonomous Element Volume?		
	Total Volume?		
	Robot Operation? <ul style="list-style-type: none"> - Functionality? - Compliance? - Appropriate control system being used? - Issues noted? 		
	Demonstration of robot function? <ul style="list-style-type: none"> - Tele-op function - Autonomous Element function 		
	Non-permitted parts? <ul style="list-style-type: none"> - Lasers - Hydraulics - Explosives 		

Additional Notes:

Inspection result:

Competitor Signatures (All competitors must sign):

Inspectors Signatures: