



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)		
	<b>Batteries?</b> <ul style="list-style-type: none"> <li>- Sealed commercial batteries?</li> <li>- Securely mounted?</li> <li>- Properly wired?</li> </ul>		
	Maximum voltage in circuits?		
	Fuse/Breaker rating?		
	Fuse/Breaker in appropriate location?		
	Total Power Rating?		
	<b>Pneumatic System</b> <ul style="list-style-type: none"> <li>- In use?</li> <li>- 100 PSI Max?</li> <li>- Safety Valve?</li> <li>- Competitor made/modified air pressure hardware?</li> <li>- Pressure tanks and gauges protected from damage?</li> <li>- Pressure circuit diagram provided?</li> </ul>		
	Competitor Eye Protection?		
	<b>Pit Inspection</b> <ul style="list-style-type: none"> <li>- Tidy area?</li> <li>- Tripping hazards?</li> <li>- Other notes?</li> </ul>		

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

Additional Notes:

Inspection result:

Competitor Signatures (All competitors must sign):

Inspectors Signatures: