WORLDSKILLS ROBOT COMMISSIONING REPORT

Pre-Competition Inspection & Functional Sign-Off Checklist

Team:	
Date of Inspection:	

Complete each section before the robot is submitted for marking. Verify all mechanical, electrical, and software items, then run a full functional test before signing off. Submit this report with your robot.

1. MECHANICAL / STRUCTURAL

✓	Inspection Item	Notes
☐	No sharp edges, pinch points, or protruding fasteners	
☐	All structural fasteners tight — no loose standoffs, screws, or nuts	
☐	Drivetrain moves freely with no binding; wheels are secure	

2. ELECTRICAL SYSTEM

✓	Inspection Item	Notes
☐	Titan/VMX are securely mounted and power on	
☐	Batteries fully charged and securely fastened (strap/bracket, not loose)	
☐	All motor and sensor cables fully seated in correct ports	
☐	No exposed wiring, frayed cables, or pinched wires	
☐	Cable lengths appropriate — no excess coiling or tension on connectors	
☐	Communication with host computer confirmed	

3. SOFTWARE / PROGRAMMING

✓	Inspection Item	Notes
☐	Autonomous routine uploaded and ran without errors	
☐	Motor directions and sensor calibration verified correct in code	
☐	Emergency stop / disable function tested and responsive	

4. FUNCTIONAL / FIELD TEST

✓	Inspection Item	Notes
☐	Drivetrain drives straight, turns correctly, and stops promptly	
☐	Autonomous routine performs expected actions from a cold start (Start Button)	
☐	No unusual noises, slipping, stalling, or overheating during test run	

INSPECTION RESULT

Overall Result:	PASS / FAIL / PASS WITH CONDITIONS
Issues to Resolve:	

Inspector Signature (Competitor 1)	Team Representative Signature (Competitor 2)