FORT COLLINS ROBOT FIRE FIGHTING CHALLENGE

Fire-Extinguishing Scoresheet

Builder Name:	
Robot Name:	

		<u>Trial 1</u>	Trial 2	Trial 3
Operating Mode Factor				
Tether: 1.2 if tethered; else 1.0	Tether:			
Sound: 0.95 if started by sound; else 1.0	Sound:			
Return: 0.8 if robot returns to base; else 1.0	Return:			
Extinguisher: 1.0 if using air; else 0.85	Nonair:			
Mode Factor: Tether * Sound * Return * Nonair	MF:			
Room Factor				
1st = 1.0, 2nd = 0.85, 3rd = 0.50, 4th = 0.35	RF:			
<u>Penalties</u>				
Distance slid along wall, in cm	Slide:			
Wall-sliding penalty: Slide/2 (round down)	WP:			
Touching candle or base while lit: 50 points	TP:			
<u>Trial Time</u>				
Start Time	Start:			
End Time	End:			
Actual Time (End - Start, in sec)	AT:			
Scoring				
Time Score: AT + WP + TP	TS:			
Final (Operating) Score: TS * RF * MF	os:			

	Successful Trials:	
Ranking: robots are ranked first by number of successful trials, and second by total score (where a low score beats a high one, as in golf).	Total Score:	

FORT COLLINS ROBOT FIRE FIGHTING CHALLENGE

Robot Hide & Seek Scoresheet

Builder Name:	
Robot Name:	

		<u>Trial 1</u>	<u>Trial 2</u>	<u>Trial 3</u>
Operating Mode Factor				
Beacon mode: 1.0 if beacon on, 0.75 if off	BMF:			
Candle mode: 0.75 if candle present, else 1.0	CMF:			
Voice mode: 0.85 if speech used, else 1.0	VMF:			
Mode Factor: Tether * Sound * Return * Nonair	MF:			
Room Factor				
1st = 1.0, 2nd = 0.85, 3rd = 0.50, 4th = 0.35	RF:			
<u>Penalties</u>				
Distance slid along wall, in cm	Slide:			
Wall-sliding penalty: Slide/2 (round down)	WP:			
<u>Trial Time</u>				
Start Time	Start:			
End Time	End:			
Actual Time (End - Start, in sec)	AT:			
Scoring				
Time Score: AT + WP	TS:			
Final (Operating) Score: TS * RF * MF	os:			

	Successful Trials:	
Ranking : robots are ranked first by number of successful trials, and second by total score (where a low score beats a high one, as in golf).	Total Score:	