			Functional Requirements									
		Direction of Improvement	▲	□	□	▲	□	▼	▼	▲	▼	▲
Relative Weight	Customer Importance	Customer Requirements	Portable	Weight	Size	Maximum Pressure	Fuel Capacity	Pressurant Capacity	Replication	Temperature	Spray Angle	Layout
9%	7	Formal Failure Modes and Effects Analysis (FMEA)							○			○
12%	9	Deliverable Document: Safety S.O.P., Operations S.O.P, Post Firing Analysis			▽	●				▽		●
12%	9	Safety Proceedures Known and Followed		●		●	○		○			
12%	9	Fuel: Isopropyl alchohol		▽			●			▽	●	
12%	9	Oxidizer: Liquid Oxygen		○						▽	●	
1%	1	Pressurant: Nitgrogen (gas)	▽					●				
8%	6	Incorporation of PSAS Supplied DAQ (From TSAR)										○
12%	9	Test Engine: 2.2kN engine supplied by PSAS	○	▽	○							
12%	9	Participation in any mandated safety Training (multiple customers)							▽			
8%	6	Human interaction with stand during test to be minimized							▽			
12%	9	No Person(s) are to approach Test Stand while system is pressurized							●			
12%	9	Redundant system to prevent accidental pressurization of System				●		▽		○		
5%	4	Funds available from PSAS should not exceed $2,000 without prior approval							○			
4%	3	Deliverable Document: Background, Research, & Theory of Operation, Training Materials...										○
3%	2	Deliverable files: Full Solidworks CAD model of Test Stand Assembly										●
5%	4	Software: All technical documents and files are to be regularly pushed to git										●
5%	4	Software: All other test stand adminstrative files to be stored on PSAS Shared google drive										●
3%	2	Deliverable Document: Bill of Materials										
12%	9	Fully Constructed Test Stand (or whatever is left of it)		●	●	●	○	○				
8%	6	Engine Chamber Pressure				●				▽		
8%	6	Fuel Mass Flow Rate								▽		
8%	6	Propellant Mass Flow Rate	▽	▽	●	●						
		Sum (Importance x Relationship)	######	######	######	######	######	######	######	######	######	######
		Relative Weight	3%	15%	4%	19%	13%	1%	7%	3%	19%	14%
		Our Product										
		Technical Competitive Assessment										