Team #	P19105	Team Name: Team LITT	Sample MSD Project
Date:	9/11/18 8:22	Document Owner: Julian Caputo	Team Member
Revision #:	1		

Customer Rqmt. #	Importance	Description	Comments/Status
CR-19105-01	4	Test stand can fit in bunker with sufficient space for two team members	Need bunker dimensions
CR-19105-02	2	Horizontal engine test configuration	
CR-19105-03	5	Ensure safety requirements are met	Read up on IREC Guidelines
CR-19105-04	5	Any high energy events possible during testing can be contained within the bunker	Test bunker stability and structure
CR-19105-05	5	Safety mechanism in bunker	
CR-19105-06	5	Test stand can handle engine vibrations	
CR-19105-07	5	Test stand can withstand transient engine forces	
CR-19105-08	5	Test stand can prevent axial and rotational movement of engine	
CR-19105-09	5	Test stand can withstand engine output thrust	
CR-19105-10	5	Test stand can handle engine heat	
CR-19105-11	4	Test stand can withstand test duration	
CR-19105-12	5	Sensors can measure pressure temperature and mass over time of oxidizer and pressurant tanks	
CR-19105-13	5	Sensors can measure pressure temperature and mass over time of combustion chamber	
CR-19105-14	5	Sensors can measure pressure temperature of injector manifold	
CR-19105-15	5	Sensors can measure engine thrust and vibrations	
CR-19105-16	5	Test time can be measured	
CR-19105-17	4	Complete system proof pressure test	
CR-19105-18	4	Complete system leak test	
CR-19105-19	4	Complete cold flow test	
CR-19105-20	4	Complete hot fire test	
CR-19105-21	3	Test stand can perform multiple tests (IREC)	
CR-19105-22	5	Test stand is fully functional prior to engine completion	
CR-19105-23	3	Ease of engine mount/ dismount	
CR-19105-24	3	Test stand maintains integrity of engine	
CR-19105-25	4	Stay within budget	
CR-19105-26	4	Conditions at test site allow for the storage of both Nitrous Oxide and Nitrogen	
CR-19105-27	5	Test Stand has a safety factor of at least 5	
CR-19105-28	5	The Bunker is capable of all required tests	
CR-19105-29			
CR-19105-30			
CR-19105-31			
CR-19105-32			
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CR-19105-39			
CR-19105-40			
CR-19105-41			
CR-19105-42			

Cust. Rqmt. #: enables cross-referencing (traceability) with engineering requirements

Importance: 1 = not important at all, 2 = somewhat important, 3 = important, 4 = very important, 5 = absolutely necessary

Description: organize as primary and secondary requirements (hierarchy) -- Ulrich exhibit 4.8

Comment/Status: allows tracking of questions, proposed changes, etc; indicate if you are meeting the requirement ("met") or not ("not met")