	+	_
	ESRA ID NUMBER	
SPACE DYNAMICS LABORATORY	UNIVERSITY	
PAYLOAD	PAYLOAD NAME	
CHALLENGE	TEAM NAME	
UNALLINGL	FACULTY ADVISOR	
	EMAIL, PHONE #	
<b>Objective</b> - Challenge teams to develop payloads that accomplish relevant function(s) while prov	iding useful learning opportuniti	es.
ENTRY FORM (to be filled out by team; also fill out top portion of judging sheet)		
In order to enter the SDL payload challenge, this form must be submitted no later than two weeks pri	or to the start of the event.	
Scientific or Technical Objective (1200 characters max)		
Failure & Hazard Analysis Briefly describe possible failure modes and potential h	nazards. (1200 characters max)	
Components & Materials Used List the components and materials used ("Compone	ent" refers to purchased items, "m	naterial" refers to everything else). (1200 characters max)

EMAIL FORM TO: PAYLOADCHALLENGE@SDL.USU.EDU







JUDGING FORM

SPACE DYNAMICS LABORATORY

(team fill out top portion only)

## PAYLOAD CHALLENGE FA

ESRA ID NUMBER	
UNIVERSITY	
PAYLOAD NAME	
TEAM NAME	
CULTY ADVISOR	

EMAIL, PHONE #	
IREC payload compliance: TO BE FILLED OUT BY JUDGES	SCORE
1. Weigh (8.8 lbs or 4.0 kg minimum) ■  2. Removable from the rocket ■  3. Not affect the flight of the rocket if removed and replaced with ballast ■  4. Totally recoverable ■  5. Not contain any live, vertebrate animals ■  6. Not contain significant quantities of lead or other hazardous materials ■  7. CubeSat form factor (BONUS) ■  1. Weigh (8.8 lbs or 4.0 kg minimum)  1. Weigh (8.8 lbs or 4.0 kg minimum)  1. NO YES  1. NO YES  1. NO YES  1. NO YES	
Total IREC deduction or bonuses	
Payload Challenge Judging Criteria	
Scientific or Technical Objective(s) > Scientific or technical relevance, experimental approach, etc.	(400 points)
Payload Construction and Overall Professionalism > Includes make/buy decisions, craftsmanship, material usage, poster, handouts, reports, etc.	(200 points)
Readiness / Turnkey Operation > Will the payload interfere with launch operations? Will the payload operate after hours of launch preparation, rail time, heat, waiting for other launches, etc?	(100 points)
Execution of Objective(s) > How well did it accomplish the objective(s)?  Note that rocket failure results in 150 points (half credit — not known if payload would have worked or not)	(300 points)
TOTAL PAYLOAD CHALLENGE SCORE ■	
TOTAL PATEONS CHALLERGE SCORE	



