

TEAM AMERICA ROCKETRY CHALLENGE 2015
QUALIFYING/SELECTION FLIGHT DEMONSTRATION

TEAM'S SCHOOL/ORGANIZATION: _____

AIA TEAM NUMBER: _____ ADULT ADVISOR: _____

DATE OF THIS FLIGHT: _____ QUALIFICATION ATTEMPT # (Circle) 1 2 3

MINIMUM FLIGHT REQUIREMENTS (ALL MUST BE MET)

PUT "YES" OR "NO"

Did this rocket weigh less than 650 gm at takeoff, with egg and motors, and was it 650mm or more long? _____

Did it use motors from the TARC approved list containing a total of no more than 80 N-sec total impulse? _____

Did the rocket contain one Grade A large, raw hen's egg and a TARC-approved altimeter? _____

Did this rocket make a safe flight and recovery under the TARC 2015 rules & NAR Safety Code? _____

Did the part of the rocket containing the egg land without any human intervention (catching)? _____

Did the egg/altimeter section separate from the rest of the rocket and recovery by parachute? _____

Did the egg carried by the rocket remain uncracked after the flight? _____

SCORING

TIMER # 1 (NAR OBSERVER): _____	OR	EXCESS ABOVE 48.00 SEC: _____	
SEC HUNDREDTHS		MULTIPLY EXCESS BY 4: _____	
TIMER # 2 (OTHER ADULT): _____		SHORTFALL BELOW 46.00 SEC: _____	+
SEC HUNDREDTHS		MULTIPLY SHORTFALL BY 4: _____	+
AVERAGE TIME: _____		DIFFERENCE FROM 800 FEET: _____	+
SEC HUNDREDTHS		(NO NEGATIVES)	
ALTIMETER ALTITUDE: _____			+
FEET			
<div style="border: 1px solid black; padding: 5px; display: inline-block;">FINAL SCORE (SUM) _____ Put <u>only</u> "DQ" if any answers above are "no"</div>			

SUPERVISING TEACHER/ADULT CERTIFICATION

I certify that the student members of this team designed, built, and flew this rocket without my assistance and, to the best of my knowledge, without the assistance of any other adult or any person not on the team. I also certify that no more than the allowed number of official qualification flight attempts were made by this team, and that the team information on file at AIA is current. I understand that team membership can no longer be changed and only team members on file at AIA with valid parent consent forms are eligible to receive prizes.

SIGNATURE: _____ PRINT NAME: _____

ADULT NAR MEMBER OBSERVER CERTIFICATION

I certify that I am a Senior NAR member who personally observed this flight, and the above initials and scores are mine, based on my observations. I certify that I am not related to any team members or affiliated with their school or non-profit organization, and that this flight was conducted in compliance with the rules of the Team America Rocketry Challenge.

SIGNATURE: _____ PRINT NAME: _____

NAR NUMBER: _____ STREET ADDRESS: _____

CITY, STATE: _____ PHONE: _____ EMAIL: _____

**SUBMIT USING TARC PORTAL (preferred, successful flights only), FAX TO 703-358-1133,
OR E-MAIL SCANNED COPY TO miles.lifson@aia-aerospace.org
NO LATER THAN MIDNIGHT (EST) MARCH 30, 2015*******

Team sends in form if flight successful, NAR observer sends in form for unsuccessful flights.