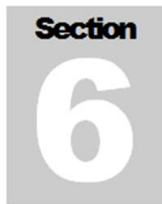


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6 Awards



6.1 FIRST ROBOTICS COMPETITION AWARDS

The *FIRST*[®] Robotics Competition (FRC[®]) is about much more than the mechanics of building a robot or winning a competitive event. It is about the partnership among people who are part of the *FIRST* community and the impact on those who participate in *FIRST* programs with a united goal of achieving *The FIRST* mission. *The FIRST* mission is to change the way young people regard science and technology and to inspire an appreciation for the real-life rewards and career opportunities in these fields.

This chapter contains descriptions of the *FIRST*[®] Robotics Competition Awards. Unless otherwise noted, all awards are given at Regional events, District events, District Championships and the *FIRST* Championship.

6.2 COMPLETE AWARDS LIST

Award	Description	Selected By	Regional	District	District CMP	FIRST CMP Division	<i>FIRST</i> CMP
Chairman's Award	The most prestigious award at <i>FIRST</i> , it honors the team that best represents a model for other teams to emulate and best embodies the purpose and goals of <i>FIRST</i>	Chairman's Judge Panel (application and interview process)	X	X	X		X
Creativity Award <i>Sponsored by Xerox</i>	Celebrates creativity in design, use of component, or strategy of play.	Judges	X	X	X	X	
Engineering Inspiration Award	Celebrates outstanding success in	Judges	X	X	X	X	

	advancing respect and appreciation for engineering within a team's school and community.						
Entrepreneurship Award <i>Sponsored by Kleiner Perkins Caufield & Byers</i>	Celebrates the entrepreneurial spirit by recognizing a team that has developed the framework for a comprehensive business plan to scope, manage, and achieve team objectives.	Judges	X	X	X	X	
Excellence in Engineering <i>Sponsored by Delphi</i>	Celebrates an elegant and advantageous machine feature.	Judges	X	X	X	X	
<i>FIRST</i> Dean's List Award	Celebrates outstanding student leaders whose passion for and effectiveness at attaining <i>FIRST</i> ideals is exemplary.	Dean's List Judge Panel (nomination & interview process)	X		X		X
<i>FIRST</i> Future Innovator Award <i>Sponsored by the Abbott Fund</i>	Celebrates innovation and intellectual property creation inspired by the <i>FIRST</i> season experience.	<i>FIRST</i> Future Innovator Award Judge Panel					X
Founder's Award	Recognizes the organization or individual that has	<i>FIRST</i>					X

contributed
significantly to
the growth of
FIRST.

Gracious Professionalism® Award <i>Sponsored by Johnson & Johnson</i>	Celebrates outstanding sportsmanship and continuous gracious professionalism in the heat of competition, both on and off the playing field.	Judges	X	X	X	X	
Highest Rookie Seed Award	Celebrates the highest-seeded rookie team at the conclusion of the qualifying rounds.	Robot Performance	X	X	X	X	
Imagery Award <i>In honor of Jack Kamen</i>	In honor of Jack Kamen, Dean's father, for his dedication to art and illustration and his devotion to FIRST. This award celebrates attractiveness in engineering and outstanding visual aesthetic integration of machine and team appearance.	Judges	X	X	X	X	
Industrial Design Award <i>Sponsored by General Motors</i>	Celebrates form and function in an efficiently designed machine that effectively addresses the game challenge.	Judges	X	X	X	X	
Industrial Safety Award	Celebrates the team that progresses beyond safety fundamentals	Safety Advisors	X	X	X	X	

<i>Sponsored by Underwriters Laboratories</i>	by using innovative ways to eliminate or protect against hazards.						
Innovation in Control Award <i>Sponsored by Rockwell Automation</i>	Celebrates an innovative control system or application of control components – electrical, mechanical or software – to provide unique machine functions.	Judges	X	X	X	X	
Judges' Award	During the course of the competition, the judging panel may decide a team's unique efforts, performance, or dynamics merit recognition.	Judges	X	X	X	X	
Media & Technology Innovation Award <i>Sponsored by Comcast NBCUniversal</i>	Award recognizes the team that develops and implements the most outstanding digital experience, marketing strategy, and rationale for digital channels to disseminate content to its audience and further the <i>FIRST</i> mission.	Comcast NBCUniversal					X
Quality Award <i>Sponsored by</i>	Celebrates machine robustness in concept and fabrication.	Judges	X	X	X	X	

<i>Motorola</i>							
Rookie All Star Award	Celebrates the rookie team exemplifying a young but strong partnership effort, as well as implementing the mission of FIRST to inspire students to learn more about science and technology.	Judges	X	X	X	X	
Rookie Inspiration Award	Celebrates a rookie team's outstanding success in advancing respect and appreciation for engineering and engineers, both within their school, as well as in their community.	Judges	X	X	X	X	
Safety Animation Award <i>*This is a pre-season award</i>	Recognizes the team that submits a short animated film that best promotes the current season's team safety focus.	UL	n/a	n/a	n/a	n/a	n/a
Team Spirit Award <i>Sponsored by Chrysler</i>	Celebrates extraordinary enthusiasm and spirit through exceptional partnership and teamwork furthering the objectives of	Judges	X	X	X	X	

	FIRST.						
Volunteer of the Year Award	Presented to an individual, business, or organization that consistently excels in their efforts with proven results in the areas of Impact, Leadership, Personal Commitment, Community and Historical Contributions.	Regional/District Planning Committee	X		X		X
Woodie Flowers Award <i>Sponsored by Dr. William Murphy</i>	Is presented to an outstanding Mentor in the robotics competition who best leads, inspires, and empowers their team using excellent communication skills.	Prior WFA Winners	X		X		X
Finalist	Celebrates the alliance that makes it to the final match of the competition	Robot Performance	X	X	X	X	X
Winner	Celebrates the alliance that wins the final match of the competition	Robot Performance	X	X	X	X	X
New This Year <i>FIRST</i> 3D Printing Award <i>Sponsored by</i>	Recognizes the creative use of 3D printing to provide innovative design solutions, resolve manufacturing challenges,	America Makes and ORNL					X

America Makes and ORNL	enhance marketing solutions, and engage in community outreach.						
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6.3 AWARDS SUBMISSION PROCESS

The Main or Alternate contact for your team must assign at least one (1) and up to four (4) student award submitters in FRC TIMS. Those students will be notified of their status via email and may then log into STIMS and be able to view the awards submission section on their main page.

Chairman's Award, Entrepreneurship Award, Media and Technology Innovation Award, Safety Animation Award, and Woodie Flowers Award must be submitted through the *FIRST* Student Team Information Members System (STIMS) <https://my.usfirst.org/stims/site.lasso>. The *FIRST* Dean's List Award must be submitted by the team's main or alternate contact through TIMS, <https://my.usfirst.org/frc/tims/site.lasso>.

The *FIRST*[®] Future Innovator Award (FFIA) portal may be accessed through the *FIRST* Student Team Information Members System (STIMS) <https://my.usfirst.org/stims/site.lasso> or the [FFIA portal](#).

By making a submission the Submitter irrevocably grants to *FIRST* and *the FIRST* designees the right to use any or all of the submission in any and all media for the purpose of describing the submission, describing the Award, and/or otherwise promoting *FIRST* and *FIRST* programs.

6.3.1 Submission Dates

Submission open and close dates will be as follows (All award submissions will **open and close at Noon Eastern Time**):

Award	Open Date	Close Date
Safety Animation	Thursday, October 10, 2013	Thursday, December 12, 2013
Chairman's Award	Thursday, November 14, 2013	Thursday, February 13, 2014
Entrepreneurship Award	Thursday, November 14, 2013	Thursday, February 13, 2014
Media & Technology Innovation Award	Midnight, Saturday, February 1, 2014	Midnight, Friday, February 28, 2014
Woodie Flowers Award	Thursday, November 14, 2013	Tuesday, February 18, 2014
Dean's List	Thursday, November 14, 2013	Thursday, February 20, 2014
<i>FIRST</i> Future Innovator Award	Thursday, November 14, 2013	Thursday, March 6, 2014
<i>FIRST</i> 3D Printing Award	Friday, January 31, 2014	Friday, March 14, 2014

6.4 THE CHAIRMAN'S AWARD

The Chairman's Award is the most prestigious award at *FIRST*, it honors the team that best represents a model for other teams to emulate and best embodies the purpose and goals of *FIRST*.

It was created to keep the central focus of FRC on the ultimate goal of transforming the culture in ways that will inspire greater levels of respect and honor for science and technology, as well as encouraging more of today's youth to become scientists, engineers, and technologists

6.4.1 Overview

The concept of the Chairman's Award includes Regional and District Championship Chairman's Awards, which enable *FIRST* to recognize more teams for their exemplary efforts in spreading the *FIRST* message, as well as their talents in organizing materials for their presentations.

The teams who have earned the Regional and District Championship Chairman's Award can travel to the *FIRST* Championship to be considered for the Chairman's Award.

6.4.2 First-Year (Rookie) and NASA Grant Teams

Because the Chairman's Award recognizes sustained excellence and impact, not just a one (1) year team effort, it is not possible for a first year (rookie) team to receive the Chairman's Award . However, all teams that received a NASA Grant, including rookie recipients, must prepare a Chairman's Award submission on line through the *FIRST* Student Team Information Member System (STIMS) <https://my.usfirst.org/stims/site.lasso> as part of the grant requirement (even though Rookie NASA Grant Teams will NOT be considered for the award and are NOT required to provide a DVD).

All teams are encouraged to print a copy of their final submission for their records and to confirm for themselves that the submission was accepted.

6.4.3 Submission Information

The criterion for the Chairman's Award has special emphasis on recent accomplishments in both the current season and the preceding two to five years. The judges focus on teams' activities over a sustained period, as distinguished from just the six (6) week design and build period.

Teams are eligible for the Chairman's Award at each Regional or District event at which they are competing. Teams will be restricted to winning only once at each level of competition. In other words, once a team has won at a Regional or District event, they may not win again that season at a later regional or district event. Note that this applies to District teams who travel to Regionals as well. A District team winning the Chairman's Award at a District event may not win again at a later Regional.

FIRST will present a Chairman's Award at each Regional and District event. Chairman's Award recipients from District events will go forward to be considered at the District Championship.

The recipients from the Regional events and the District Championships will be eligible for the Chairman's Award presented at the *FIRST* Championship.

Hall of Fame

Hall of Fame members; i.e., teams that have already earned the Championship Chairman's Award, are ineligible to resubmit for consideration for five (5) years.

6.4.3.1 Submission Content

The Chairman's Award is presented to the team judged to have created the best partnership effort among team participants and which best exemplified the true meaning of *FIRST* through measurable impact on its participants, school, and community at large.

The *FIRST* Robotics Competition is not about machines; it is about the experience of people working together toward a shared goal. Documenting and preserving your team's *FIRST* experience becomes an important component of the over-all *FIRST* experience.

6.4.3.2 Submission Format

The submission, excluding the Executive Summary, will be limited to 10,000 characters, including spaces and punctuation, and may include up to four (4) photographs totaling no more than 1.0Mb of memory.

6.4.3.3 Submission Process

Students must submit their team's Chairman's Award submission through the *FIRST* Student Team Information Members System (STIMS) (<https://my.usfirst.org/stims/site.lasso>). Follow the directions shown on the site to submit your team's entry. Submission dates are listed in [Section 6.3.1](#).

Submitters must enter information, save it, and return to the site to edit the Chairman's Award submission until they are ready to finalize it for final judging. All entries must be finalized by the deadline listed in [Section 6.3.1](#). No entries will be accepted or altered after this deadline.

Chairman's Award submitters will go into STIMS (<https://my.usfirst.org/stims/site.lasso>) and enter the following required information:

- Team Number
- Team Name/Nickname
- Describe the impact of the FIRST program on team participants with special emphasis on the current season and the preceding two to five years
- Describe the impact of the FIRST program on your community with special emphasis on the current season and the preceding two to five years
- Describe the team's innovative or creative method to spread the *FIRST* message
- Describe examples of how your team members act as role models and inspire other FIRST team members to emulate
- Describe the team's initiatives to help start or form other FRC teams
- Describe the team's initiatives to help start or form other *FIRST* teams (including Jr. FLL, FLL, & FTC)
- Describe the team's initiatives on assisting other *FIRST* teams (including Jr. FLL, FLL, FTC & FRC) with progressing through the *FIRST* program
- Describe how your team works with other FIRST teams to serve as mentors to younger or less experienced *FIRST* teams (includes Jr. FLL, FLL, FTC & FRC teams).
- Describe your Corporate/University Sponsors
- Describe the strength of your partnership with your sponsors with special emphasis on the 2013/2014 year and the preceding two to five years
- Describe how your team would explain what *FIRST* is to someone who has never heard of it
- Briefly describe other matters of interest to the *FIRST* Judges, if any
- Upload up to four (4) pictures (optional)

- Essay (10,000 characters allowed, including spaces and punctuation, or approximately 1500 words): Judges encourage creativity of expression but the essay must clearly deliver information and facts describing what the team is all about. The essay should draw attention to the strengths of the team. This essay, along with the other information, will serve as the basis for the judges to make the decision on which team earns the Chairman's Award.

Chairman's Award submissions are posted on a private, password-protected site where only the judges and authorized *FIRST* staff can read the entries. *Please note:* By making a submission the Submitter irrevocably grants to *FIRST* and *FIRST* designees the right to use any or all of the submission in any and all media for the purpose of describing the submission, describing the Award, and/or otherwise promoting *FIRST* and *FIRST* programs.

Judges at each regional and district event will be interviewing the candidates who successfully completed the submission process. Teams should always print and bring a hard copy of their submission to the event.

In preparing this document, bear in mind that students, engineers, teachers, community, school, sponsors, families, and other supporters, as well as the machine itself are all integral parts of your team experience. Your submission needs to clearly convey the factors outlined above.

Important Note: Chairman's Award Judges also review the information entered in the Judges Information Page as part of the Chairman's Award submission. This information is entered as part of the Team Information Management System (TIMS) at <https://my.usfirst.org/frc/tims/site.lasso>. Refer to Section 1 Communications for more details about the Judges Information Page.

6.4.3.4 Interview Process and Video Requirement

All teams submitting for the Chairman's Award will need to sign up at pit admin in order to be interviewed by the Judges at the event. If a team does not sign up for an interview slot, they will be considered ineligible to win at that event. Chairman's Award interviews are limited to ten minutes total; five minutes for a presentation by the team (which includes set-up) and up to five minutes of question and answer led by the Judges. Not more than three (3) team members, of which one (1) may be an adult mentor, are allowed to attend the interview. **Only student (non-mentor) team members are allowed to present information or answer questions from the Judges.** The one (1) adult mentor from the team who may attend may observe and later provide feedback to the team, but the mentor is not allowed to provide any assistance during the interview itself. If the mentor provides any assistance during the interview, the team will be downgraded. Exception: If necessary, an adult mentor/assistant may provide translation services for students needing foreign language or sign language translation so the students and Judges may communicate. This adult mentor/assistant may be in addition to the three (3) Team members noted above, but may provide no assistance to the team other than the translation service.

Teams submitting for the Chairman's Award must provide a video to the judges at the start of their Chairman's Award interview. The content of the video should explain what the team has done to earn the Chairman's Award. The video content may be in the team's native language, but if that language is not English, the team must add English subtitles to be eligible for the Chairman's Award at any event in the US or Canada, or at any non-US or Canadian event at which their native language is not generally spoken. The video may be shown to the judges during the team's 5 minute presentation time or the team can choose to not show the video during the presentation time. Even if the video is NOT shown during the interview, a video must still be provided to the Judges in order for the team to be considered for the Chairman's Award. In addition, the team must provide the equipment for viewing (i.e. laptop/speakers etc.) the video. Teams who do not submit a video to the judges will not be considered eligible for the Chairman's Award and will not be interviewed by the judges. This is applicable at all events including the *FIRST* Championship.

Note: Any team that submitted for the Chairman's Award and wants their video back at the end of the event will need to collect their video, after the awards ceremony, from Pit Administration. In addition, the winning Chairman's Award team will also be required to bring a copy of their video to the *FIRST* Championship. Therefore, the winning team must also collect their video after the awards ceremony if they want to bring that copy to Championship.

The video format should be as follows:

- A 16:9 (“widescreen aspect ratio”)
- Not more than 3 minutes long, no shorter than 1 minute long.
- Include a clean audio track
- Free of copyright restrictions, including music.

Video may consist of:

- Video footage
- Voice over/music over still photographs
- Animated presentation
- PowerPoint converted to video format

Note: *Teams do not have to use professional equipment to get professional results. There is a good chance that someone on your team or in the school does this as a hobby and can be recruited to help.*

Sound

- Should be clear of pops and hisses

Copyright:

- If using copyrighted music must have written permission
- If using Creative Commons Music (CCM) on line, the music must be used in accordance with the appropriate license and properly attributed.
- Music may not contain obscene or suggestive language

Content Guidelines:

- Please show us what you are doing to earn the Chairman's Award
- Please **do not** identify non-team minors by name or specific location. Use only first names, **no** locations.

Other required information to be given to the judges:

§ Permission for *FIRST* to use your video in marketing & promotional material and/or live at *FIRST* events & competitions, using the [Chairman's Award Video Consent Form](#))

New this year, Videos may be submitted to the Judges either on DVD or USB Flash Drive

DVD Requirements:

- Ensure that your DVD is actually a DVD file, playable with a standard DVD player. If we cannot view your DVD, you may be ineligible for the award.
- DVD itself must be labeled with your team number and team name
- DVD case or envelope must also be labeled with your team number and team name
- A completed Chairman's Award Video Consent Form (see above) must be folded and included in the DVD case or envelope

USB Flash Drive Requirements:

- USB Flash Drive must contain only the Chairman's Award video file
- Video file must be in the QuickTime (.mov) or Windows Media (.wmv) file format compressed with the H.264/MPEG-4 codec
- USB Flash Drive itself must be labeled with your team number, at a minimum. If you have room, please add

your team name as well. Consider using a label maker or a piece of tape and permanent marker. Ensure the label is secure and the team number is easily read.

- To reduce the chance of the USB Flash Drive being misplaced, the Drive must be placed in a clear, sealable plastic bag before it is given to the Judges. Label the bag with team number and name. This label may be a piece of paper, printed with the required information, inserted in the bag and oriented so it may be read without opening the bag
- A completed Chairman's Award Video Consent Form (see above) must be folded and included in the plastic bag

Note: *The Chairman's Award is our highest honor and teams who receive the Chairman's Award represent the highest standards of FIRST. When the Chairman's judges have narrowed the selection to two or three teams, these contenders for the Chairman's Award at all events will have their video viewed by the Judge Advisor for appropriate content and to ensure that the above guidelines have been met. Although the Chairman's judges will not be judging your video as part of your submission, a video with inappropriate content will disqualify a team for the award.*

Tips, Timelines & Tools

- [Chairman's Award Video Helpful Tips and Guidelines](#)
- [Chairman's Award Video Suggested Shot List](#)
- [Chairman's Award Video Tape Log \(example\)](#)
- [Chairman's Award Video Tape Log \(blank\)](#)
- [Chairman's Award Video Consent & Release Form](#)
- [Guidelines and Tips](#) video by Paul Lazarus of White Dwarf Productions

6.4.4 The Chairman's Award Championship Award Process

At the *FIRST* Championship, a panel of judges will interview teams and review the submissions from all the Regional and District Championship Chairman's Award recipients and will select one winning Chairman's Award recipient. This team has the additional honor of choosing one of its junior or senior student members to receive the Allaire Medal.

6.4.5 The Allaire Medal - Leadership Exemplified

The Allaire Medal recognizes leadership exemplified and is awarded to an individual student on the team selected as the Chairman's Award team.

Named in honor of Paul A. Allaire, a long-serving *FIRST* Chairman of the Board, the Allaire Medal is given to the student who has demonstrated outstanding leadership on his/her *FIRST* team, within his/her school and community and whose personal character best embodies the spirit of *FIRST*.

The team receiving The Chairman's Award at the Championship will select the Allaire Medal recipient. The adult and student team members of the Chairman's Award winning team determine the winner. The recipient must be a high school junior or senior who has been accepted into a four (4) year degree program at a college or university. The Allaire Medalist receives the Allaire medallion and up to \$10,000 in total scholarship support for undergraduate tuition, room/board and fees/books at his or her intended university or college.

6.5 FIRST® FUTURE INNOVATOR AWARD (FFIA) Sponsored by the Abbott Fund

This award recognizes creativity in effectively solving a real-world, complex problem through the invention of a unique

solution beyond the requirements of the *FIRST* competition season. This award directly links to the *FIRST* mission to inspire young people to be science and technology leaders and to the *FIRST* vision to transform the culture by creating a world where science and technology are celebrated.

6.5.1 Award Overview

The FFIA competition is open to all FRC and FTC teams officially registered for the current FRC competition season. FRC and FTC teams must apply at the [FFIA PORTAL](#). Students may also access the FFIA portal through STIMS at <https://my.usfirst.org/frc/tims/site.lasso> Submission dates are listed in [Section 6.3.1](#).

The FFIA winner will be announced at the *FIRST* Championship. The winning inventor(s) will be granted an award sponsored by the Abbott Fund and will have the opportunity to meet personally with Dean Kamen. *FIRST* will provide transportation and hotel cost for one inventor and a chaperone to attend Championship (if the team and/or inventor is not already attending the Championship), and meet with Dean.

6.5.2 Award Criteria

Applicants make a formal electronic submission(s) by logging into the [FFIA PORTAL](#) or **STIMS** at <https://my.usfirst.org/frc/tims/site.lasso>. Ideas submitted for an FFIA in prior years will not be accepted unless the idea has been greatly improved/changed and could be considered new.

FIRST strongly encourages all teams to file for patent protection by filing a provisional patent application with the United States Patent and Trademark Office (USPTO), before submitting for the Future Innovator Award.

- Additional information regarding provisional patent applications can be found at www.uspto.gov
- Once an idea is shared through submission for this award, patent protection can only be sought in the United States and cannot be sought in any other jurisdiction, unless a provisional patent has been filed before submission.

6.5.3 Award Judging

At the *FIRST* Championship, the winner of the *FIRST* Future Innovator Award, sponsored by the Abbott Fund, will be announced and shown at the awards ceremony.

Submission will be judged on the following criteria:

1. Complexity of the problem to be solved by the invention
2. Effectiveness of the invention in solving the problem
3. Uniqueness of the invention
4. Simplicity of the invention
5. Practicality of developing and implementing the invention
6. Whether the invention was utilized for a *FIRST*-related activity

7. The degree to which to invention addresses one of the 14 Grand Challenges or the 4 Challenge Themes
8. Judge's Discretion (This criterion gives Judges the ability to take in to consideration elements of the invention not well captured above)

Student inventors are encouraged to think about and submit inventions that pertain to the National Academy of Engineering's 14 Grand Challenges (<http://www.engineeringchallenges.org>).

More information regarding the 14 Grand Challenges can be found through the link below:

1. [Make Solar Energy Economical](#)
2. [Provide Energy From Fusion](#)
3. [Develop Carbon Sequestration Methods](#)
4. [Manage The Nitrogen Cycle](#)
5. [Provide Access To Clean Water](#)
6. [Restore And Improve Urban Infrastructure](#)
7. [Advance Health Informatics](#)
8. [Engineer Better Medicines](#)
9. [Reverse-Engineer The Brain](#)
10. [Prevent Nuclear Terror](#)
11. [Secure Cyberspace](#)
12. [Enhance Virtual Reality](#)
13. [Advance Personalized Learning](#)
14. [Engineer The Tools Of Scientific Discovery](#)

Other interesting areas may be related to:

1. Sustainability
2. Health
3. Security
4. Joy of Living
5. *FIRST* Robotics

The invention does not need to 'solve' one of the Grand Challenges or any of the other categories listed above, instead the Grand Challenges have been provided to give guidance for submissions for this award. Additionally, you can utilize the judging criteria for guidance as to what the judges will be looking for in evaluating submissions.

6.5.4 Additional Documentation and Video

[How to Apply for a Patent](#)

[Patent Process Video by Abbott](#)

[Submission Tips Video by Abbott](#)

Any additional questions can be submitted to maxid@maxval-ip.com

6.6 FIRST DEAN'S LIST

In an effort to recognize the leadership and dedication of *the FIRST* most outstanding FRC students, the Kamen family sponsors an award for selected top students known as the *FIRST* Dean's List.

Similar to the very prestigious National Merit Scholarship Award winners, there are three (3) "categories" of *FIRST* Dean's List Award students:

1. *FIRST* Dean's List Nominees (the group of two (2) sophomore, junior, and/or senior students nominated by each FRC team). Note: Starting in the 2015 season, only students in grades 10 and 11 (sophomores and juniors) will be eligible.
2. *FIRST* Dean's List Finalists comprised of the two (2) students selected at each Regional and students selected at the District Championships.
3. *FIRST* Dean's List Winners (10 students selected from the *FIRST* Dean's List Finalists at the FRC Championship).

Teams nominating students as *FIRST* Dean's List Nominees should note that colleges and universities are extremely interested in recruiting *FIRST* Dean's List Award students and accordingly, only 10th, 11th, and 12th grade students (sophomores, juniors, and seniors) will be eligible for *FIRST* Dean's List. Please note, starting in 2015 only students in grades 10 and 11 (sophomores and juniors) will be eligible.

The students who earn *FIRST* Dean's List Award status as either a Nominee, Finalist or Winner, will not only be great examples of student leaders who have led their teams and communities to increased awareness for *FIRST* and its mission all the while achieving personal technical expertise and accomplishment, but it is the intention of *FIRST* that they will continue on, post-award, as great leaders of *FIRST* ever growing student alumni and as advocates of *FIRST*.

Since its introduction in 2010, the *FIRST* Dean's List Award has attracted the attention of prestigious colleges and universities who desire to recruit *FIRST* Dean's List students. As *FIRST* believes such interest is beneficial to our students, those selected will be asked to provide written consent for the release and use of certain personal information, including image, to interested colleges/universities for the sole purpose of their recruitment to the institution. Prestigious colleges have expressed great interest in meeting *FIRST* Dean's List's Award winners and *FIRST* hopes that each team will take advantage of the opportunity to nominate their best students as *FIRST* Dean's List Nominees!

6.6.1 Submissions

Applicants must first compete at the Regional or District Championship level to be considered at the Championship level. Nominees for the *FIRST* Dean's List are submitted by their mentor and supported by the entire team. These students will be reviewed and interviewed at or prior to one (1) Regional where their team is competing with two (2) *FIRST* Dean's List Finalists chosen at each Regional. District team students will be reviewed and interviewed at or prior to their local District Championship with the allocated number of Dean's List Finalists chosen at each District Championship.

All Dean's List Finalists will be considered for the final selection of ten (10) *FIRST* Dean's List Award winners at the *FIRST* Championship in St. Louis.

Each FRC mentor is invited to select up to two (2) students who are in the 10th, 11th, or 12th grades (sophomores, juniors, or seniors) as *FIRST* Dean's List Nominees. In deciding which students to nominate, mentors should consider the impact the award will have on the nominated student. For example, mentors may choose to nominate a junior whose college acceptance prospects would be enhanced by both the nomination and any subsequent advancement in the competition. Each non-district mentor may only submit their two (2) *FIRST* Dean's List Nominees to compete for the *FIRST* Dean's List Finalist designation at one (1) Regional. Students previously selected as *FIRST* Dean's List Nominees or Finalists ARE eligible for nomination again this year.

Please Note: By making a submission the Submitter irrevocably grants to *FIRST* and *FIRST* designees the right to use any or all of the submission in any and all media for the purpose of describing the submission, describing the Award, and/or otherwise promoting *FIRST* and *FIRST* programs.

6.6.2 Criteria

Criteria for selection of the *FIRST* Dean's List shall include, but not be limited to a student's:

- demonstrated leadership and commitment to the ideals of *FIRST*;
- interest in and passion for a long term commitment to *FIRST* and its ideals;
- overall individual contribution to their team;
- technical expertise and passion;
- entrepreneurship and creativity;
- ability to motivate and lead fellow team members; and
- effectiveness at increasing awareness of *FIRST* in their school and community

Evaluation of Nominees and Finalists will be based on a one page essay, submitted by the mentor, which best describes each student's fulfillment of the criteria and a brief interview, for Nominees only, by the Judges. (As previously noted, Mentors can submit up to two nominations/essays per team). Although a single mentor must submit the nomination, the team as a whole must verify the accuracy of the submission. *FIRST* is relying upon the team for veracity and accuracy of the submission data.

Each entry shall include identifying information; i.e., the student's cumulative GPA; and an essay of not more than 4,000 characters attesting to why the student has been nominated. Essays must be submitted no later than the closing date listed in [Section 6.3.1](#) to <https://my.usfirst.org/tims/site.lasso>. A photograph of the *FIRST* Dean's List Nominee is encouraged, but optional, and the essay submission and such photos may be used, in promotion of the recipient and/or the award, at the discretion of *FIRST*. Winners will be required to sign a *FIRST* media release to allow use of their likeness to sponsors contributing to the *FIRST* Dean's List recognition program and will be responsible for any taxes associated with federal/state prize requirements.

If a team is attending more than one Regional event, the mentor must select one event at which their nominations are to be considered. Each essay must clearly state the team name, the student name and grade level of the student(s) nominated, an explanation of why the student is nominated as well as the Regional event at which the nomination is to be considered. District teams must submit their nominees at the local District Championship.

6.6.3 Judging

At each FRC regional event, Judges will select two (2) students from the FIRST Dean's List Nominees as *FIRST* Dean's List Finalists. The two (2) Regional FIRST Dean's List Finalists will be honored at the award ceremonies at that regional event. For District teams, *FIRST* Dean's List Finalists will be selected and honored at the District Championship.

All nominees will receive a live, interactive interview with a minimum of two judges. This interview does not need to be in-person at the event, though that is the preferred method. Interviews may, if necessary, be conducted by phone or video conference, as long as no less than two adults are participating in discussions with the student. Also, this interview does not need to take place concurrently with the event, it may happen beforehand, as long as every nominee is interviewed and has a fair opportunity for selection.

Every nominee will receive written feedback from the judges. A standard form will be used and for interviews that are conducted at an event, can be retrieved after the awards ceremony, from Pit Administration.

All *FIRST* Dean's List Finalists will be considered for the *FIRST* Dean's List at the *FIRST* Championship using the essays provided and any interview feedback available. Finalist candidates need not be present at the *FIRST* Championship in order to be considered. Ten (10) Students will be selected as the *FIRST* Dean's List Award Winners for the 2014 FRC season.

The ten (10) 2014 *FIRST* Dean's List Award winners will receive the following:

- a unique trophy and public recognition at the *FIRST* Championship;
- a written recommendation from *FIRST* leadership to the college(s) or employer(s) of their choice;
- a credit towards the winning student's team next season registration fee;
- a commemorative plaque for the student's school;
- an invitation for them, and a chaperone, to attend an expenses paid *FIRST* Dean's List Award Summit, at *FIRST* Headquarters in Manchester, New Hampshire; and
- an opportunity to work with all members of the *FIRST* Dean's List and *FIRST* leaders to advance the mission of *FIRST*.

6.7 THE FOUNDER'S AWARD (Championship Only)

Each year *FIRST* presents this award to honor an organization or individual that has contributed significantly to the growth of *FIRST*.

6.8 MEDIA AND TECHNOLOGY INNOVATION AWARD sponsored by Comcast NBCUniversal

This Award recognizes the team that develops and implements the most outstanding digital experience, marketing strategy, and rationale for digital channels to disseminate content to its audience and further the *FIRST* mission.

6.8.1 Overview

The Media and Technology Innovation Award sponsored by Comcast NBCUniversal, previously called the Website Award, originated in 2003 to recognize excellence in student designed, built and managed websites. Given the new digital possibilities to spread the *FIRST* message, FRC expanded the website award to include other digital media and Comcast Corporation began sponsoring and judging this award during the 2013 season. Students are encouraged to look beyond just building a team website, taking into account the numerous ways people search for and consume content and build a digital experience to both help their team in its fundraising efforts, but also share the *FIRST* experience with anyone who visits their website. Students should think broadly, considering channels (traditional sites, video applications, mobile, apps), devices (smart phones, tablets), and content (social, rich, and viral* media). We are looking for excellence in expressing the *FIRST* mission on the Internet and telling a story of who and what your team is all about. Be Imaginative and creative!

6.8.2 Award Criteria

Teams are asked to develop a marketing strategy complete with rationale for digital channels/devices to disseminate content. Digital media still includes websites, but can and should be augmented with digital media for disseminating content including social, viral* and rich media.

**Viral media defined as low/zero budget and homemade content. Professionally produced content will be disqualified. Viral content is something that premieres and is spread person-to-person on the Internet .*

6.8.3 Judging Criteria

Submissions will be reviewed and evaluated by a Comcast executive judging panel. This award is independent of current *FIRST* Program competition season judged awards.

The winner of the Media and Technology Innovation Award will be announced at the 2014 *FIRST* Championship.

Submissions will be judged on the following criteria, with the following weighted scale (out of a possible 100 total points):

- **Strategy (15 points)**
 - Targeting the right audience with a message that aligns with the *FIRST* mission.
 - Developing a clear strategy and choice of distribution channels and content creation.
 - Teams must use at least two channels. More channels are not necessarily better, but will be considered if appropriate.
 - Setting and meeting clear objectives.
 - Communicating a clear strategy on your website and on your written submission.
 - **Overall Experience (15 points)**
 - Do content and channels fit together in look and feel?
 - Are you promoting a positive impression of *FIRST* and its mission?
 - Do your website and other digital media have a cohesive look? What is the overall digital user experience?
 - How does your overall story come together online? Do you share a unified message and mission?
 - Is the website intuitive and easy to navigate?
 - Does the digital experience tell a story about the team and its *FIRST* experience?
- **Visual Design (10 points)**

- How appealing is your design?
- Is content easy to read?
- Do you use videos and or graphics in a visually appealing way?
- Visual fit with *FIRST* – Even though the team has its own identity, is it clear that this team is a part of *FIRST*?
- **Navigation** (10 points)
 - Content organization and prioritization is being judged in this category
 - Is your website simple to follow?
 - Is it intuitive?
 - Does it have a structure that makes sense?
 - **Content** (20 points)
 - We are looking for whether the information shared is compelling and optimized for consumption.
 - This should be a robust digital experience, so think about including text, sound, video, photos and social media.
 - Good content should be engaging, relevant and appropriate.
 - Was original content created?
 - Is content kept up-to-date and refreshed regularly?
 - Is content action-oriented?
 - Does your site use live links?
 - Do your site or digital media appropriately cite sources and not infringe on others' trademarks or copyrights?
 - Does your website/channel adhere to the [FIRST Branding and Design Standards](#)?
- **Functionality** (15 points)
 - Does content load quickly?
 - Does your site work with multiple/major browsers and mobile devices?
 - Is the site easy to use?
 - We will also consider the efficiency and utility of the site.
- **Engagement** (15 points)
 - Did your digital media engage an audience to find out more about your team or about *FIRST* and *FIRST* Progression of Programs?
 - How did you track the results?
 - Did you leverage your site or digital media for fundraising and/or other purposes outside of the normal scope?

6.8.4 Submission Process

Teams should upload their PDF-formatted submission through the Comcast Media and Technology Award website at <http://firstrobotics.comcast.net>. Submission will be accepted during the dates listed in [Section 6.3.1](#).

Submissions are not to exceed two pages including graphics. The maximum allowable size for the PDF document submission is 50 MB. Submissions should include and address all judging criteria addressed above. We encourage teams to clearly communicate both strategy and any results that have been tracked (include web site traffic, # of friends and/or followers, likes, etc.). This document must include applicable links, urls and hashtags that provide access to the digital properties you created. This includes, but is not limited to, web and video sites, Facebook pages, Twitter feeds, Pinterest boards, mobile apps, etc.

By making a submission, the Submitter irrevocably grants to *FIRST* and *FIRST* designees the right to use any or all of the submission in any and all media for the purpose of describing the submission, describing the Award, and/or otherwise promoting *FIRST* and *FIRST* programs.

6.8.5 Submission Dates

Submissions will be accepted during the dates listed in [Section 6.3.1](#).

You may submit your PDF more than once if you need to make revisions. The last version submitted prior to the deadline will be considered your final submission.

6.9 WOODIE FLOWERS AWARD

The Woodie Flowers Award celebrates effective communication in the art and science of engineering and design. Dr. William Murphy founded this prestigious award in 1996 to recognize mentors who lead, inspire and empower using excellent communication skills.

Two subcategories are awarded:

- The Woodie Flowers Finalist Award (WFFA) is presented to one adult mentor at each Regional Competition or District Championship.
- The Woodie Flowers Award (WFA) is presented to one WFFA winner at the *FIRST* Championship

6.9.1 Eligibility

Each year, students may submit an essay nominating one mentor from their team to be considered for this award. *FIRST* will recognize one adult mentor at each Regional or District Championship to receive the WFFA. If a team already has a mentor who has received the WFFA in a prior year, then that team may re-submit that mentor in the current year in addition to nominating a mentor for the WFFA if they wish. The current year WFFA recipients, along with those mentors who received a WFFA in a prior year and have been re-nominated, will be judged to receive the WFA at the *FIRST* Championship.

6.9.2 Spirit of the Award

High school students on a *FIRST* Robotics Competition team may nominate one (1) adult team member as their Woodie Flowers Finalist Award (WFFA) candidate. The students will describe how this mentor has given them the best understanding of the challenges, opportunities and satisfaction involved in the discipline of engineering and design. Professor Flowers will lead the past Championship Woodie Flowers Award (WFA) recipients as they judge and select the Finalists and the Championship recipient based on student essays.

This award recognizes an individual who has done an outstanding job of motivation through communication while also challenging the students to be clear and succinct in recognizing the value of communication. As such, it is very important that this be a student-led effort and a student decision. Team mentors should direct their students to the online entry site and let the high school students decide whom to nominate. Adults can help edit, but this must be a student-led effort, since any team mentor is eligible. Authors must be **clearly** identified as high school students in the online submission.

6.9.3 Award Eligibility Requirements

Regional WFFA (except District Event Teams) – Each team may nominate one adult member from their team to be judged at one Regional Event they are attending. The adult mentor must be on the same team as the student. Previous year WFFA recipients are not eligible to receive the current year WFFA.

District Championship WFFA (applies only to teams participating in District Events) - Each District team may nominate one adult member from their team at one District Event to be judged at the District Championship. The adult mentor must be on the same team as the student. Previous WFFA recipients are not eligible to receive the current year WFFA. One Regional WFFA recipient will be selected at each District Championship.

FIRST Championship WFA – All prior year Regional WFFA recipients are eligible to be re-nominated for the current *FIRST* Championship Woodie Flowers Award. However, if a team has multiple prior Regional WFFA recipients, then the team may only re-nominate **one** of those previous recipients. The re-nomination can be made as soon as the online submission process begins. All of the Regional WFFA recipients from the current year are automatically eligible to receive the current *FIRST* Championship Woodie Flowers Award. Teams that have submitted a previous year WFFA recipient for the current *FIRST* Championship WFA and have a current Regional WFFA recipient will be asked by the WFA committee which Regional WFFA recipient from their team will be their *FIRST* Championship WFA candidate. A person may not receive the WFA more than one time.

6.9.4 Judging Criteria

Two aspects of this award are important: (1) the accomplishments in communication by the mentor and (2) the student's ability to communicate clearly and concisely through their nomination.

A specific judging criterion is based upon the team's description of how the mentor inspired each member of the team in some or all of the following ways:

- Level of student participation;
- Creativity of effort;
- Clear explanation of mathematical, scientific, and engineering concepts;
- Demonstration of enthusiasm for Science and Engineering;
- Encouragement to work on projects as a team effort;
- Inspiration to use problem-solving skills;
- Inspiration to become an effective communicator; and
- Motivation through communication.

Each *FIRST* team completes a product development cycle as it designs a concept, develops a prototype, and builds and debugs a unique machine. This requires teamwork, attention to detail, scheduling and hard work. The award-winning essay should answer this question; "How did the candidate inspire your team throughout this process?" If the essay best describes how this individual excels above all others as he or she inspires the team, then that mentor truly deserves to be recognized with the award that honors Professor Woodie Flowers and his contribution to engineering, education, and communication.

6.9.5 Entry Requirements

The students enter team and candidate information, reference information, and a maximum three thousand (3,000) character essay written in English. Teams may also add up to six (6) pictures, totaling no more than 1.0 MB of memory. This essay should be a team effort and will stand alone as the team's entry to award their candidate the deserved recognition.

For students to re-nominate a past WFFA winner for the Championship WFA, they must write and submit a new 3,000 character essay.

Teams may only submit their WFFA candidate at one Regional or District competition for judging.

6.9.6 Submission Deadline

The Woodie Flowers Award entries are due by **the closing dated listed in [Section 6.3.1](#)**.

6.9.7 Entry Process

Students enter their candidate through the *FIRST* Student Team Information Members System (STIMS) <https://my.usfirst.org/stims/site.lasso>.

Student nominators must follow the directions listed on the screen. As the student nominator fills out the required information, he/she will also choose their selected regional/district.

Student nominators can easily enter information, save it, and return to the site to edit their entry information until they are ready to submit it for judging. All entries must be submitted between the dates listed in [Section 6.3.1](#). No entries will be accepted or altered after this date.

Students will go to the website to enter information in the following fields:

Team Number

Candidate Information:

First Name, Middle Initial, Last Name

Address, City, State, zip code

Employer

Occupation

Position on team

High School Student Nominator's information: (Student recommending candidate)

First Name, Last Name

Phone Number

High School

E-mail Address

Position on Team

Year in school (9th, 10th, 11th, 12th)

Adult Reference (On the same team)

First Name, Last Name

Phone Number

E-mail Address

Position on Team

Adult Reference (Any FIRST affiliation)

First Name, Last Name

Phone Number

E-mail Address

Regional / District Selection (Team must attend this Regional / District)

Upload Pictures (Up to 6, no more than 1.0 MB total)

Essay (Character max: 3,000) - The students will see a quote from Dr. Murphy and/or Woodie about the value of concise and clear writing. Once candidates' information and essays are submitted, they are sorted and posted on a private, password-protected site where only the Judges can read the entries.

Please Note: By making a submission the Submitter irrevocably grants to *FIRST* and *FIRST* designees the right to use any or all of the submission in any and all media for the purpose of describing the submission, describing the Award, and/or otherwise promoting *FIRST* and *FIRST* programs.

6.9.8 Prior Year Regional WFFA Recipient Re-Submission

Student nominators must submit a new 3,000 character (maximum) essay in order to re-nominate their previous year Regional WFFA recipient to be eligible for the current Championship WFA. Student nominators will not be able to edit the original submission. Past winners without a new essay will not be eligible for the WFA. While the judges can review past essays, the new essay must be able to stand alone as a complete submission.

Each *FIRST* team may nominate/re-nominate a maximum of one (1) candidate for the *FIRST* Championship WFA.

6.10 ENTREPRENEURSHIP AWARD sponsored by Kleiner, Perkins, Caufield & Byers

This award celebrates the entrepreneurial spirit and recognizes a team which has developed a comprehensive business plan in order to define, manage and achieve the team's objectives. This team displays entrepreneurial enthusiasm and the vital business skills to ensure a self-sustaining program.

6.10.1 Business Plan Submission

Submissions will be accepted between the dates listed in [Section 6.3.1](#).

A formal business plan must be completed and entered through the *FIRST* Student Team Information Members System (STIMS) <https://my.usfirst.org/stims/site.lasso>.

6.10.2 Guidelines

- A formal business plan is submitted through STIMS at (<https://my.usfirst.org/stims/site.lasso>).
- The team has a clear concept or approach to building their team and functions as a complete unit.
- They assumed risks and were successful in managing that risk, dealing appropriately with adversity and unexpected events.
- They had a plan and executed it successfully.
- They understood the goals of the competition and the goals of *FIRST*.
- They demonstrated sustainability through, for example, succession and contingency planning.

Business Plan Template

Teams must complete the following fields in order to be considered for this award.

EXECUTIVE SUMMARY

- **TEAM MISSION STATEMENT:** Please briefly indicate what you believe to be the “driving engine” of your team. Your mission should be clear and concise. It should represent to any reader exactly what your business plan strives to accomplish.
- **(1600 characters allowed, including spaces and punctuation)**
- **TEAM ORIGIN:** Please provide the date that your team formed, the location of your team, the current number of team members (highlighting any growth over past years) and describe the challenges the team had to overcome in order to participate in *FIRST* events.
- **(1600 characters allowed, including spaces and punctuation)**
- **ORGANIZATIONAL STRUCTURE:** Please detail how the team is structured to 1) Raise funds; 2) Ensure funds are properly spent; 3) Find and engage sponsors; 4) Recruit team members/mentors for current & future seasons; 5) Ensure *FIRST* principles remain core to the team's efforts. Uploading an image of your team organizational chart below, will also satisfy this requirement.
- **(1600 characters allowed, including spaces and punctuation. Graphic image allowed in addition to or as an alternative to text - upload 5" x 4" 100 dpi resolution images that end in .JPG or .GIF)**
- **RELATIONSHIPS:** Please detail team efforts to specifically engage, inspire, educate and retain 1) Team members; 2) Mentors; 3) Sponsors/Community.
- **(1600 characters allowed, including spaces and punctuation)**
- **DEPLOYMENT OF RESOURCES:** Please detail how the resources of your team (Financial or otherwise) have been deployed to 1) Engage the community to spread the message of *FIRST*; 2) Inspire others to get involved so that *FIRST* continues to grow; 3) Ensure all team members get the most out of their *FIRST* experience.
- **(1600 characters allowed, including spaces and punctuation)**
- **FUTURE PLANS:** Please indicate specific plans the team has for the next 3 years in regards to sponsorship, team and community outreach (including helping *FIRST* grow) and detail how you expect to be able to accomplish these goals.
- **(1600 characters allowed, including spaces and punctuation)**
- **FINANCIAL STATEMENT:** Please include information on team finances (include financial statement detailing income and expenditures). Uploading an image of your team financial plan below, will also satisfy this requirement.
- **(1600 characters allowed, including spaces and punctuation. Graphic image allowed in addition to or as an alternative to text - upload 5" x 4" 100 dpi resolution images that end in .JPG or .GIF)**
- **RISK ANALYSIS:** Please describe the team's risk mitigation plan. Present a **SWOT (Strengths, Weaknesses, Opportunities, and Threats)** analysis or narrative that describes the team plan to identify

and respond to sustainability threats.

- (1600 characters allowed, including spaces and punctuation)
 - **PICTURES**
 - Picture 1
 - Please upload 5" x 4" 100 dpi resolution images that end in .JPG or .GIF
 - Picture 2
 - Please upload 5" x 4" 100 dpi resolution images that end in .JPG or .GIF
 - Picture 3
 - Please upload 5" x 4" 100 dpi resolution images that end in .JPG or .GIF
 - Picture 4
 - Please upload 5" x 4" 100 dpi resolution images that end in .JPG or .GIF
 - Team Captain/Student representative that has double-checked this submission
 - First Name: _____ Last Name: _____
- Entrepreneurship Award submissions are posted on a private, password-protected site where only the judges and authorized *FIRST* staff can read the entries. By making a submission the Submitter irrevocably grants to *FIRST* and *FIRST* designees the right to use any or all of the submission in any and all media for the purpose of describing the submission, describing the Award, and/or otherwise promoting *FIRST* and *FIRST* programs.

6.10.3 Eligibility

Teams are eligible to win the Entrepreneurship Award at any event they participate in.

6.11 FIRST SAFETY ANIMATION AWARD

Every year, *FIRST* and Underwriter's Laboratories (UL) invites teams to submit a short animated film to promote team safety.

6.11.1 Award Overview

Your team is invited to participate in the 10th annual *FIRST* Safety Animation Contest for FRC student team members.

6.11.2 Theme

The theme for 2014 is: "***Safe Driving***"

Many FRC team members, at some point in their journeys from their homes to their events and back, will find themselves traveling in private vehicles. If you are a driver, you should keep your eyes on the road, your hands on the wheel and your mind on the job. FRC teams practice safety throughout the FRC season, not only when building and competing. Now it's time to spread the word to participants and spectators. Your 2014 Safety Animation should demonstrate the ways safe driving benefit everyone.

Driver Distractions fall into three major categories:

- **External** distractions are things outside your vehicle that may cause you to take your eyes off the road ahead of you
- **Psychomotor** distractions are things inside your vehicle that may cause you to take your eyes off the road ahead and your hands off the steering wheel where they belong
- **Cognitive** distractions are things that can take your mind off the task of driving and cause your attention to wander from the road

Ideas for consideration include:

- Personal awareness of what's outside your vehicle
- Plan ahead
- Buckle Up
- Secure Loose Objects
- Pay attention while driving – no texting, phone calls or other distractions

The *FIRST* Safety Manual, which contains the FRC safety rules that FRC teams live by, is available here <http://www.usfirst.org/roboticsprograms/frc/safety-video-and-manual>

6.11.3 Criteria

Animations should:

- Be no more than 40 seconds long including opening and credits
- Be submitted electronically as a region one .iso image of a DVD
- Video must be in English

Copyright

- If using copyrighted music must have written permission
- If using Creative Commons Music (CCM) on line, the music must be used in accordance with the appropriate license and properly attributed.
- Music may not contain obscene or suggestive language

Any submission made that is not within the above criteria will automatically be disqualified. *FIRST* strongly suggests you double check your submission after it is made before the deadline to ensure it plays properly.

6.11.4 Submission

Animations must be submitted by your team's student award submitter in STIMS, <https://my.usfirst.org/stims/site.lasso> between the submission dates listed in [Section 6.3](#).

By making a submission the Submitter irrevocably grants to *FIRST* and *FIRST* designees the right to use any or all of the submission in any and all media for the purpose of describing the submission, describing the Award, and/or otherwise promoting *FIRST* and *FIRST* programs.

6.11.5 Judging

Submissions will be reviewed and evaluated by UL designated judge panel. This is independent of current *FIRST*

Program competition season judged awards.

The winning submission will be announced through an email blast and Frank's Blog. The winning team will receive a trophy and their video will be played at their first event.

6.11.6 Deadline

Animations must be submitted online between the dates listed in [Section 6.3.1](#).

6.12 FIRST 3D Printing Award sponsored by America Makes and ORNL

New This Year!

The *FIRST* 3D Printing Award (3DPA) recognizes the creative use of 3D printing to provide innovative design solutions, resolve manufacturing challenges, enhance marketing solutions, and engage in community outreach. Sponsored by America Makes and the Oak Ridge National Laboratory (ORNL), this award seeks to motivate teams to explore applications of 3D Printing that directly support the *FIRST* mission of inspiring young people to be science and technology leaders and to the *FIRST* vision of transforming the culture by creating a world where science and technology are celebrated.

6.12.1 Award Overview

The 3DPA competition is open to all FRC teams for the 2014 FRC competition season. To be eligible, teams must have a functional (not cosmetic) 3D Printed part or 3D Printed assembly that is intended for use on their competition ROBOT or OPERATOR CONSOLE. FRC Teams may apply at the [3DPA Portal](#). The 3DPA Portal will be open for submissions according to the dates listed in [Section 6.3.1](#).

6.12.2 The Award

The 3DPA Team winner will be announced at the FIRST Championship and presented with an award sponsored by America Makes and ORNL.

America Makes and ORNL will provide transportation and hotel cost for one team representative and a chaperone to receive the award at the Championship Event (if the team is not already attending the Championship).

6.12.3 Award Criteria

Applicants should submit their proposals electronically via the instructions at the [3DPA Portal](#): <http://americamakes.us/3DPA>.

The template document should be downloaded from the portal and used for submissions.

Teams should mail a physical copy of their 3D Printed parts, must be received by the close date listed in [Section 6.3.1](#),

in accordance to the instructions on the [3DPA Portal](#) (will not be accessible until the opening date listed in [Section 6.3.1](#)).

6.12.4 Award Judging

The winner of the *FIRST* 3D Printing Award, sponsored by America Makes and ORNL, will be announced at the 2014 *FIRST* Championship.

Submissions for the *FIRST* 3DPA will be judged according to the following criteria:

- Innovation of 3D Printed part (40%)
 - Physical part should be submitted for evaluation
- 3D Printing Design Rules & Knowledge Base Enhancement (20%)
 - Design rule usage
 - Self-supporting angle rules
 - Internal fill style optimized for function
 - Build orientation decisions
 - Design rule creation
 - Document new design rules you captured during your design and build of parts
 - Knowledge Base Enhancement
 - Identify models and sources for 3D Printing optimized parts your team used
 - Identify the 3D Printed models your team created?
 - How many did you make available to other teams and how did you make them available?
 - Identify any online contributions you made to blogs, YouTube, model libraries, websites
- 3D Printing Mentoring (20%)
 - Identify mentoring your team received regarding the use of 3D Printing
 - Identify mentoring your team provided regarding the use of 3D Printing
- Community Outreach (10%)
 - Document 3D Printing demonstrations provided to schools, clubs, and sponsors.
- Use of 3D Printing for Marketing (10%)
 - Document how 3D Printing was used for marketing applications.

6.12.5 Additional Documentation & Videos

Example of 3D CAD Model Libraries

- <http://www.firstcadlibrary.com/>
- <http://www.3dcontentcentral.net/3DContentCentral/parts/supplier/User-Library/140/185/185/Models.aspx?title=FIRST+Robotics&isredirect=true>

Examples of mentoring YouTube videos

- “3DPrinterHowTo” <http://www.youtube.com/channel/UCuicqjLTmcbLlglgOpFkefQ>

Questions?

For questions related to the *FIRST* 3DPA, email Bill Macy, America Makes Deputy Director of Technology Transition at Bill.macy@ncdmm.org with the email subject line: *FIRST* 3DPA.