Prototype shelters should be designed and constructed prior to the competition. The competition will consist of the following phases:

1. **Pre-Competition Phase:** Teams prepare a report to include design specifications of their prototype and explanation of how it meets the design parameters. This should be submitted to the judges via the Competition Website no later than March 26, 2016. Report should include the following:
   - Review of Existing Emergency Shelter Designs
   - Explanation of Method of Design of the Team Prototype
   - Validation that the Prototype meets design criteria (size, cost, etc)
   - How the shelter is culturally appropriate to the given scenario
   - Suggested possible modifications or improvements to the prototype
   - Draft Business Case Analysis for Review by Judges

2. **On Site Phase:**
   - Display shelters in compact, unconstructed form, along with required tools and instructions for assembly
   - 30-45 minute presentation to a panel of judges explaining how the shelter meets the design parameters.
   - Earthquake Test on Shake Table to test earthquake resistance
   - Heat Retention Test to evaluate ability to hold heat
   - Wind Test to test ability to withstand heavy wind/rain
   - Timed assembly of the shelter
   - Habitability test to assess comfort and function
   - Construct and test (wind/water) an Emergency Shelter from materials kit provided by SP at the competition site

Specific dates for various key events are as follows:

**Friday, November 20**  
Letter of Intent/Application for competition due to JBU (will be reviewed by competition judges)

**Friday, January 29**  
Registration deadline for applicants accepted for competition

**Friday, March 25**  
Project Report and Draft BCA due to competition judges via competition website

**Thursday, April 21**
8:00 AM – 10:00 AM  
Coordination meeting with judges and JBU Reps (BTC CM Conf Rm)

8:00 AM – 10:00 AM  
Competition check-in and delivery of structures to testing area (JBU CM High Bay)

10:00 AM – 11:00 AM  
All participant meeting to discuss procedures and schedule (BTC 209)

11:00 AM – 12:00 PM  
Lunch (BTC 209)

12:00 PM – 6:00 PM  
Begin Earthquake and Heat Retention Testing (BTC CM High Bay)

1:00 PM – 6:00 PM  
Team Presentations (BTC CM Conf Room)

6:00 PM – 7:00 PM  
Dinner with Judges (Simmons Great Hall-B)

7:00 PM – 9:00 PM  
Continue Testing and Team Presentations

**Friday, April 22**
7:30 AM – 12:00 PM  
Earthquake and Heat Retention Testing (BTC CM High Bay)

9:30 AM – 12:00 PM  
Team Presentations (BTC CM Conf Room)

12:00 PM – 1:00 PM  
Break for Lunch (On Your Own)

1:00 PM – 3:00 PM  
Timed set up by all teams (Lawn/QUAD)

3:30 PM – 7:00 PM  
Emergency Shelter Construction and Testing from SP Kits (Lawn/Quad)

7:00 PM – 8:30 PM  
All Participant Cook Out (Lawn/QUAD)

8:30 PM – 9:30 PM  
Individual Team Feedback by Judges (Various Rooms in BTC)

9 PM – 7 AM Sat.  
Shelters occupied by student judges for Habitability Assessment

**Saturday, April 23**
7:30 AM – 10:00 AM  
Water and wind load assessment (Lawn/QUAD - Architectural Testing Inc. wind machine)

10:00 AM – 12:30 PM  
Judges complete final evaluations and scoring of prototype shelters

12:00 PM – 2:30 PM  
Lunch, awards, closing remarks by SP and JBU (Simmons Great Hall-A)