



NM MESA, INC.
MESA USA STATE COMPETITION
APRIL 22, 2016
NEW MEXICO MILITARY INSTITUTE
ROSWELL, NEW MEXICO

WHAT IS MESA USA?

This is our state qualifier for the National MESA USA competition. Teams at both the middle and high school levels have been invited to attend. In order to maximize each team's experience during this event, it is important to properly execute all aspects of the testing process and event administration. Although each MESA state may elect to present this event in different format(s), the MESA USA host site and the corresponding National Event Planning Committee will be required to adhere to the following processes in the MESA USA National Competition Handbook. Please note that the processes not only outline the event but also the roles, expectations and responsibilities of student team members and advisors. During the course of this event, MESA students, staff, advisors and supporting family members will be expected to act in a professional and courteous manner at all times. All judges' decisions are final. Staff, advisors and parents shall not engage judges during the event.

This document contains information specific to the New Mexico Competition. For the full and stand-alone National Requirements and logistical information, please review the National Handbook and the National FAQ's. As a guideline, any rule changes or omissions mentioned in this addendum supersede the National Handbook for the New Mexico State Competition only.

GENERAL INFORMATION

TEAMS: A team consists of 2-4 students. All students on a team must be on the program roster (A-2 entered in MIMS and have their A-1 submitted to Regional Coordinator) by the registration deadline. The team that was named on the submitted project proposal is considered the event team that qualified to attend. During registration, 2 alternates will be allowed to be named in the event an original team member is unable to participate. Only a maximum of 4 students will be allowed to attend the State Competition (from either the original names or the named alternates). Only the students that participate in our state competition on the winning teams are eligible to attend our National Competition. No alternates are allowed to be named for this event. If you are the only qualifying team from your school, you no longer have a team number. If you have multiple teams from your school, keep your qualifying team numbers from MESA Day.

ADVISOR: At registration an official team advisor will need to be identified. This is the advisor that will be recognized and arrangements will be made for at our state competition and at our national competition (for the winning teams). The named advisor will be the recipient of any stipends and/or awards. If a school has multiple teams, each team can have a different advisor, but that advisor stays with the team on all levels of competition.

AWARDS: At the MESA USA National Engineering Design Competition 1st-3rd place trophies and individual awards will be presented for both middle and high school levels. Awards will be presented to winners in each component area of this competition. The middle and high school 1st place teams will compete in the National MESA USA competition as the NM MESA representatives. The national competition will be held in Ogden, Utah on June 22-25, 2016.

DISQUALIFICATION: A team will be disqualified for not following event parameters or for not participating in a required portion of the event. Plagiarism will not be tolerated and all submitted items need to be the original work of the qualifying team and all citations are expected when presenting research. Identical papers/projects from the same school will not be allowed and both teams will be disqualified if an infraction is discovered.

NATIONAL COMPETITION INFORMATION

More information will be forthcoming to the winning teams, but the winning team will have the following expectations:

- Work from date of State Competition to National Competition to improve their project
- Meet deadlines to meet with NM Staff as expected with prepared materials
- All attendees need to participate in a 2-day required preparation retreat (location and date TBA)
- Attendees may be required to participate in the annual LIMBS summit
- For the extra work and cost involved, official advisor(s) will receive a summer stipend and a materials allowance.

It is important that teams come to state prepared to advance. If the winning team is unable to commit to expectations, the 2nd place team may be invited to represent New Mexico at our National Competition.

NEW MEXICO CHANGES/OMISSIONS TO NATIONAL HANDBOOK

<i>Topic</i>	<i>Summary of Change/Omission</i>
Device Construction	Teams are encouraged to build their device to be able to be transported to Nationals. Advancing teams will be expected to transport device, impound and repair materials, and smaller display materials with them as part of their baggage allowance. NM MESA will only ship display and approved other items to the National Competition.
Technical Paper	New Mexico Deadline will be April 11, 2016 at 8:00AM. Paper should be submitted via email to Event Coordinator, anita@nmmesa.org .
Academic Poster	The dimensions for the table may be different dependent on availability at facility. If the correct size of table cannot be found, displays may be placed on the floor if too large to fit on a smaller table. Teams will be required to indicate whether they will be providing a poster or display so that adequate space can be arranged.
Academic Poster	There is no official state MESA USA Shirt. For the purpose of the competition, teams are expected to be dressed professionally and/or be in matching school or MESA shirts.
Distance Accuracy	Target area may be created on thin plastic sheeting and then taped to the floor versus entire target being created directly on the floor.
Object Relocation	Different “surprise” items will be used than at MESA Day. Your MESA Day score has no impact/relevance on MESA USA performance/score.

MESA USA PREPARATION RESOURCES

WEBINARS: In preparation for the 2015 MESA USA State Competition, webinars were conducted and are available for review.

REGIONAL COORDINATOR: Your Regional Coordinator is your prime resource for assistance. They will be working with you on your projects, review, and finding mentors as needed.

REGISTRATION PROCESS

- (1) Registration will need to be completed per event team. Registration is to be completed by team advisor with a unique email.
- Please contact your Regional Coordinator to verify what transportation option you need to select:
 - Either they will arrange regional transportation for you, or
 - You are to arrange your own transportation (select B4 option in registration)
- All teams will need to register by **April 6, 2016 at 5PM** with the following logistical information:
 - Student team names (these are the same as on the proposal) and student alternates (up to 2)
 - Final team advisor (up to 1)
 - Any rooming requests
 - Meal and Transportation vendor information

- Registration will be done electronically. Link is available on the MESA USA Event Site on our NM MESA webpage: <http://www.nmmesa.org>.

REGIONAL COORDINATOR REVIEW

Teams have been invited to attend, but all teams are expected to progress in their quality and completion of their projects. It is expected that each team be in regular contact with your Regional Coordinator to ensure benchmarks are completed and the entire MESA USA project is completed. A final inspection will be done by your regional coordinator. At this time, if teams are not prepared for all components of the competition, they will not be able to attend the MESA USA State Competition.

TRANSPORTATION

NM MESA will provide transportation for all selected teams. All teams are expected to “bus-pool” as able. In the event, transportation cannot be shared; teams are expected to travel in suburbans or equitable vehicles. Any school requesting transportation needs to submit a B-4 information in their electronic registration. Regional Coordinators are to submit B-4’s for any transportation they are arranging.

MEALS

Breakfast and lunch will be provided for the day of the competition by the hotel (breakfast) and NMMI (lunch). All teams will also be provided up to (2) meal reimbursements as follows:

- Up to 2 meals per team (4/21 Dinner and 4/22 Dinner)
- Up to 5 individuals per meal (4 students, 1 advisor)-If less students come, amount to be spend accordingly
- Up to \$10 an individual per meal
- A Purchase Order will be provided to you for use and receipts will need to be submitted for payment
- IMPORTANT NOTES:
 - It is YOUR responsibility to ensure the chosen eatery accepts purchase orders from NM MESA PRIOR to requesting funds.
 - It is YOUR responsibility to ensure the proper receipts are submitted. Failure to do so will result in future purchase orders not being provided.
 - Purchase orders will NOT be changed. In the event a purchase order is not accepted, MESA will not reimburse for payment and the meal is now the responsibility of the school team. PLEASE make all needed arrangements in advance.
 - In the event of consolidated transportation, your RC may assist with this process and create a purchase order for the entire group.

LODGING

Arrangements will be made for all. Students will be housed up to (4) per room and advisors will be housed up to (2) per room. There is no charge for lodging for attendees, but any cancellations after the registration deadline may be charged a fee. A final room list will be provided on the event website. After the registration deadline, students are not able to be changed as room assignments will be final and final team names need to be submitted.

Room list will be made from provided names on your registration. If you have any lodging requests, they need to be included in your registration. Dependent upon number of males and females from your school, attendees may be roomed with attendees from another school. When choosing your alternates, keep in mind that they will replace the student(s) unable to come. If they are another gender, there is no guarantee of roommates and/or lodging space. Any change of student(s) needs to be communicated immediately.

Check the Event Site for Specific Hotel Information.

DRESS CODE

As noted in the NM Addendum, there is no official MESA USA Shirt for our State Competition. Teams are expected to be in professional dress and/or matching MESA/school shirts for their Academic Poster presentations. In addition, teams are able to participate in NMMI activities during team downtime. These activities require

separate dress. With this addition, we know this may impact appearance and allowances to teams will be made as needed. See section on ropes course for final information.

ROPES COURSE

We have been given the opportunity to participate in the ropes courses that they have available at NMMI during the course of our competition. All activities are voluntary, but are encouraged. There will be no other “downtime” activities provided for teams. This section contains information specific to the ropes course and attached are required documents for use of the course. All attendees wishing to participate **MUST** send form in advance. In addition, team chaperones are invited to participate granted all team members have release forms. In the event not all team members have release forms, chaperone must remain with student(s) not participating.

Although the form says to return to NMMI, all forms need to be submitted to Event Coordinator by the registration deadline for all POSSIBLE participants. This includes all students, alternates, and advisors. Forms will be on the NM MESA website once available.

- Release of Liability and Medical Consent Forms - Please have each participant to read and sign the **RELEASE OF LIABILITY FORM** and please note any additional/further physical conditions out of the ordinary for the participant on the attached **MEDICAL CONSENT FORMS**. A minor may only participate with a waiver signed by their parent or court appointed legal guardian. Those without complete waivers may not participate. Please write legibly when filling out these forms.
- Frequently Asked Questions Letter - The **FREQUENTLY ASKED QUESTIONS** letter may shed some more light on what you will be doing. This includes attire, prohibited items, etc.

ADDENDUMS AND QUESTIONS

Nationally, there have been questions that have come up with regards to the competition. On our NM site we have placed addendums as received. All schools should have access to the National MESA USA site where the curriculum and any national information is available: <http://www.mesausa.org/>

CAMPUS MAP

Below is a link to the NMMI Campus Map(s). Campus is open parking with the exception of any spaces marked reserved. Specific instructions will be relayed prior to attendance if needed.

Campus Map: <http://www.nmmi.edu/map/index.htm>

If you have any questions please contact Anita Gonzales at:

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