

NRMCA'S NATIONAL
**MIXER DRIVER
CHAMPIONSHIP**



**2021
Driver's
Official Rules
& Procedures**



Gaylord Palms Resort & Convention Center

Kissimmee, FL

Saturday, October 2, 2021

Sponsored by:



Table of Contents



Schedule of Events for the Driver Championship

National Mixer Driver Championship Program

Eligibility

Official Invitees

Championship Event

Driver Check-In

*Competition 1 – Driving Course Challenges (*ORDER AND TYPES OF CHALLENGES ARE SUBJECT TO CHANGE)*

Challenge #1: Tightest Turn

Challenge #2: Tennis Ball Drive-Through

Challenge #3: Parallel Park

Challenge #4: Forward Stop

Challenge #5: On Target

Challenge #6: Rear Wheel Back-through

Challenge #7: Scale Box

Challenge #8: Backing Stop

*Competition 2 – Driver Ability Challenges (*ORDER AND TYPES OF CHALLENGES ARE SUBJECT TO CHANGE)*

Walk Around, Visual Vehicle Inspection

Chute a Hoop

Break an Egg

Bowling

Reaction Time Test

Delivery Ticket Inspection

Sample Challenge Course Layout

Competition 3 – Written Exam

Determining the Overall Champion

Written Exam Reference Materials

NRMCA Publication Number 188; Truck Mixer Driver's Manual

Safety, Environmental and Operations Committee

Schedule of Events for the Driver Championship

<i>*Schedule Is Subject to Change*</i>	
Friday, October 1, 2021	
3:00 PM – 5:30 PM <i>(PROMPT START @ 3:00PM)</i>	Driver Check-In, Briefing, Material Pick-Up & Walk-Through – “Finger Lot” Walk to “Finger Lot” at 2:30 PM NOTE: EVENT SHIRT AND HAT WILL BE DISTRIBUTED TO DRIVERS, ATTENDANCE IS MANDATORY
6:30 PM – 7:30 PM	Driver Position Drawing NRMCA NAME BADGE AND BUSINESS CASUAL ATTIRE REQUIRED, ATTENDANCE IS MANDATORY
7:30 PM – 9:30 PM	Driver Position Drawing Dinner Hosted by NRMCA Chairman NRMCA NAME BADGE AND BUSINESS CASUAL ATTIRE REQUIRED, ATTENDANCE IS VOLUNTARY
Saturday, October 2, 2021	
6:30 AM – 7:00 AM	Announcements – “Finger Lot” NRMCA NAME BADGE, HAT & SHIRT ARE REQUIRED, ATTENDANCE IS MANDATORY
7:00 AM – 12:00 PM	National Mixer Driver Competition – “Finger Lot” Walk to “Finger Lot” at 6:30 AM (INCLUDES BREAKFAST. LUNCH WILL TAKE PLACE SEPARATELY AFTER THE COMPETITION @ 12:15PM) NRMCA NAME BADGE, HAT & SHIRT ARE REQUIRED, ATTENDANCE IS MANDATORY
2:30 PM – 4:45 PM	Driver Written Exam NRMCA NAME BADGE, HAT & SHIRT ARE REQUIRED, ATTENDANCE IS MANDATORY
4:45 PM – 7:00 PM	Reception in Expo Hall NRMCA NAME BADGE REQUIRED, ATTENDANCE IS VOLUNTARY
Sunday, October 3, 2021	
9:00 AM – 3:30 PM	Driver Activity (drivers and immediate family only) – Details TBA NRMCA NAME BADGE AND CASUAL ATTIRE REQUIRED, ATTENDANCE IS ENCOURAGED
4:30 PM – 6:30 PM	Reception in Expo Hall NRMCA NAME BADGE AND BUSINESS CASUAL ATTIRE REQUIRED, ATTENDANCE IS MANDATORY
6:15 PM – 6:45 PM	Driver (with registered family/guests) Pre-Dinner Gathering NRMCA NAME BADGE AND BUSINESS CASUAL ATTIRE REQUIRED, ATTENDANCE IS MANDATORY
6:45 PM – 9:15 PM	Awards Banquet Dinner and Winner Announcements NRMCA NAME BADGE AND BUSINESS CASUAL ATTIRE REQUIRED, ATTENDANCE IS MANDATORY

National Mixer Driver Championship Program

National Mixer Driver Championship Program: The National Mixer Driver Championship Program is administered by the National Ready Mixed Concrete Association's Safety, Environmental and Operations (SEO) Committee. The competition was developed to recognize those individuals with exceptional ability that deliver the world's most versatile building product. The rules and regulations for the competition are formulated by the Committee. The competition is developed with several criteria and it is expected that individual drivers may be at a disadvantage on one or more criteria. The SEO Committee has responsibility to review the program annually and make changes when needed to incorporate fairness and integrity into the program.

Eligibility: The National Mixer Driver Championship (NMDC) is conducted by the National Ready Mixed Concrete Association and therefore all applicants must be current employees of an NRMCA member company in good standing. Eligibility requirements include:

1. All applicants must be current employees of NRMCA member companies in good standing.
2. All applicants must hold a valid Commercial Driver's License (Class A or B), and current Medical Examiner's Certificate (aka, "DOT medical card").
3. No driver regardless of credentials is guaranteed eligibility. NRMCA reserves the right to eliminate any potential NMDC competitor for unspecified reasons if the Eligibility Requirements Task Force feels he or she does not appropriately represent the industry and the NMDC event.
4. Winners of state association mixer driver championship events are eligible to compete in NMDC provided the state competition meets NRMCA standards and all other eligibility requirements are met. If the winner of a state competition works for a non-member company, the runner up will be eligible instead of the winner, provided he/she works for a member company. State competition runners-up are encouraged to apply.
5. Intra-company mixer driver competition winners will be reviewed and deemed eligible or ineligible on a case-by-case basis by the Task Force. Preferential treatment may be granted to company competition winners if they represent a state that does not host its own competition.
6. Participants needed to round out the NMDC field will be selected from runners-up from state association and intra-company mixer driver championships by the Eligibility Requirements Task Force.

National Mixer Driver Championship Program

Official Invitees: All applicants were judged and selected contestants have received an official invitation by NRMCA's Safety, Environmental & Operations Committee. All affiliated state association contest winner applicants who meet eligibility requirements have received an official invitation.

Championship Event: The National Mixer Driver Championship will be held at the Gaylord Palms Resort and Convention Center, Kissimmee, FL on Saturday, October 2, 2021. All applicants will be judged using a point system in three areas. First, all drivers will drive the "Challenge Course" which contains up to eight different challenges. Second, each driver will perform a "Walk Around, Visual Inspection" of a mixer truck, and participate in the "Break an Egg", "Chute a Hoop", "Bowling", "Reaction Test" and "Delivery Ticket Inspection" challenges. Finally, each driver will complete a written examination. Awards will be presented at the Awards Banquet on Sunday, October 3, 2021.

Drivers are not allowed on or near the driving course until the Driver Check-In, unless authorized by NRMCA staff.

Trucks: Mixer trucks will be provided at the National Mixer Driver Championship event. Both front & rear discharge mixer trucks will be available for use. Individual company mixer trucks will NOT be allowed.

Driver Check-In: All drivers are required to check in Friday, October 1, 2021 at the NRMCA Registration Desk by 1:00 PM. At the Registration Desk, drivers will be given instructions and directions for driver Check-In, Briefing, Materials Pick-Up and Walk-Through out on the driving course on the "Finger Lot".



National Mixer Driver Championship Program

Competition 1—Driving Course Challenges

*ORDER & TYPES OF CHALLENGES ARE SUBJECT TO CHANGE WITHOUT NOTICE



Tightest Turn Challenge: Driver must turn left without stopping, trying to get the wheels on the left (driver's) side of the truck as close as possible to a barrel without hitting it. Judges sprinkle powder on the pavement next to the barrel before each truck passes. The judges measure the distance between the tire track in the powder and the barrel to the nearest inch.

Tennis Ball Drive-Through Challenge: Driving forward, driver passes through a series of 10 tennis balls set up on tees. The balls are spread 4" wider than the tire spread. The goal is to not knock any balls over. Points are tallied per the number of balls left standing

Parallel Park Challenge: Driver parallel parks, trying to put the truck as close as possible to a "curb" line without going over, or hitting barricades placed in front of and behind the parking spot. Crossing the inside line or hitting a barricade results in a score of zero points. The driver is allowed only to back into the parking spot and pull forward once to square up the vehicle. Driver stop must stop, set the parking brake and sound the horn to signal the judges to measure the distance from curb line to the middle of the tire that is furthest away from the line.

Forward Stop Challenge: Driver proceeds forward towards a stop line marked by a barricade. The goal is to get the front-most point of the truck bumper as close as possible to the line without crossing it. After stopping, the driver must set his parking brake and honk the horn to signal the judges to measure the distance from the line. The driver may stop while inching forward, but may not reverse.

On Target Challenge: Driver drives directly over a target mat, trying to stop with the center of the rear bumper (front discharge) or the pivot point of the discharge chute (rear discharge) directly over the bulls' eye. The score is based on which circle of the target (in 6" increments) a plumb bob hung from the center point falls into.

National Mixer Driver Championship Program

Rear Wheel Back-through Challenge: Driver backs the right rear wheels of the truck through a series of 10 tennis balls-on-tees. The balls are spread 4" wider than the tandem or tire width. The goal is to not knock any balls over. Points are tallied per the number of balls left standing

Scale Box Challenge: Driver slowly backs right rear tandem (or single tire) into a 2'x 2' square marked on the pavement. The box is similar in size to a portable scale pad. The driver stops, sets the parking brake and sounds the horn to signal the judges to check the wheel position. Scoring is based on whether the wheel(s) are out of the square, partially in the square or all the way in the square.

Backing Stop Challenge: Driver backs towards a stop line marked by a barricade. The goal is to get the rear-most point of the truck as close as possible to the line without crossing it. After stopping, the driver must set his parking brake and honk the horn to signal the judges to measure the distance from the line. The driver may stop while inching backward, but may not pull forward.

Competition 2—Driver Ability Challenges

*ORDER & TYPES OF CHALLENGES ARE SUBJECT TO CHANGE

Walk Around, Visual Vehicle Inspection: All drivers will be awarded points on their ability to conduct a timed Visual Inspection of a truck mixer, similar to what a driver would be asked to do during a pre-trip inspection. The vehicle will be isolated on site to prevent pre-inspection. Driver Championship judges will modify mixer trucks by planting numerous defects on each truck. Each driver will be limited to 5 minutes or to walking around the truck twice. An official judge will accompany each driver and record the defects that are pointed out by the driver. Points will be based on the number of defects found.

Chute a Hoop Challenge: A basketball is placed in a raised mixer truck chute with all its extension chutes in-place. The truck remains stationary. The driver swings, lowers and raises the chute in an effort to drop the ball into a basketball hoop.





Break an Egg Challenge: As with the Chute Hoops challenge, the mixer truck stays stationary for the Break an Egg challenge. The driver swings and drops the extended truck mixer chute in an effort to “almost touch” an egg on a pedestal without breaking it. Judges will measure the distance from the lip of the chute to the egg to the nearest quarter inch. A broken egg results in zero points.

Bowling Challenge: A bowling ball with chain is attached to the final chute of a mixer truck. A set of bowling pins are aligned in front and to the right of the vehicle. The driver must advance slowly without stopping and knock down as many pins as he can.

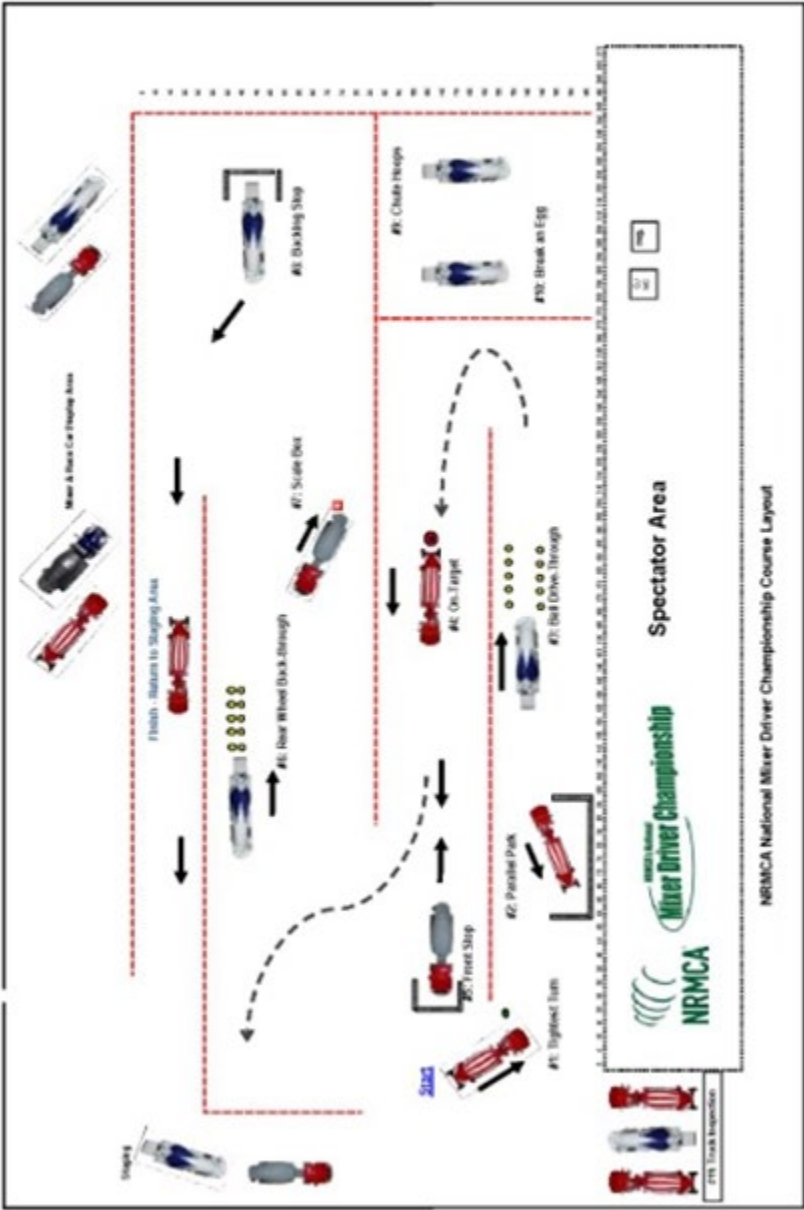
Reaction Time Test Challenge: A computer program is used to test how fast a driver can react to changes on the screen. Drivers get a short time to practice and then the average of five tests (timed to the nearest 10,000th of a second) is recorded.

Delivery Ticket Inspection Challenge: A fictitious ready mixed concrete delivery ticket has been drafted with numerous errors incorporated onto it. Each driver will have 90 seconds to pick out as many errors as he/she can find.

National Mixer Driver Championship Program

Sample Challenge Course Layout

*ORDER & TYPES OF CHALLENGES ARE SUBJECT TO CHANGE



National Mixer Driver Championship Program

Competition 3—Written Exam

*TIMING IS SUBJECT TO CHANGE

The final portion of the National Mixer Driver Championship will be a written examination. The exam will be administered on Saturday, October 2, 2021 from 2:00pm to 4:00pm. The exam will be 2 hours in length. All questions will be either true/false or multiple-choice type. Included as study material for this exam is the NRMCA's Truck Mixer Driver Manual. Examination questions will come from this reference material. In order to maintain the integrity of the process, once the examination starts there will be no talking except for individual procedural questions asked of the examination proctor.

Determining the Overall Champion

Upon completion of the written exam, total scores from the Challenge Course, Walk-Around-Inspection and Written Exam will be tabulated by selected NRMCA staff. Drivers with the top five scores will be recorded in a sealed envelope and will be announced at the Awards Banquet on Sunday, October 3, 2021 by the Chairman of the Board of Directors of the National Ready Mixed Concrete Association.



Safety, Environmental and Operations Committee

The National Ready Mixed Concrete Association’s Safety, Environmental and Operations Committee is dedicated to providing the interchange of ideas relating to operations, equipment maintenance, safety, environmental compliance, and the recruitment, training and development of personnel in the ready mixed concrete industry to achieve maximum professionalism and quality.

Our industry continues to ensure that our operators and drivers are knowledgeable and safety conscious in all aspects of their jobs. In order to earn a chance to compete in this event, companies have their own competitions or have participated in a state competition.



This National Driver Championship is part of the continued effort to recognize those individuals and companies who strive for excellence in our industry. The NRMCA Safety, Environmental and Operations Committee will host this event as part of the Forum on a yearly basis.

The Committee would like to thank all volunteers and sponsors as well as companies for providing materials, door prizes and equipment. Their support ensures the success of our events.

Safety, Environmental and Operations Committee:

Dale Kotzea, Chairman

Mike Brekken, Vice Chairman

Safety Task Group

Mark Rock, Chairman

Environmental Task Group

Robert McGehee, Chairman

Operations Task Group

Will Ho, Chairman

