



TEXAS J REGIONAL ADVISORY COUNCIL

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www.texasjrac.org

Standard Operating Procedure

GENERAL SOP:	ROLLOVER SIMULATOR
SOP NUMBER:	G # 9
SOP EFFECTIVE DATE:	2/04
SOP REVIEWED:	9/07; 8/10
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SOP STATEMENT: As stated in the By-Laws in Article VIII. D. Prevention and Education:

1. Promote injury prevention and health education in the general public through education programs.

Rollover Simulator was built to re-enact a motor vehicle roll-over to demonstrate the importance of appropriate use of seatbelts. Entities in our Region may have temporary use of the Rollover Simulator for the purpose of Injury Prevention education.

Roll-Over Simulator is maintained at the Midland College ATC Center on 3200 W. Cuthbert. Our contact person is Ted Sumner at 432-697-5863.

Entities must accept responsibility/liability in the event of an accident while transporting the Roll-Over Simulator and/or an accident occurring during its operation. Any damages to the Roll-Over Simulator or accessories are the responsibility of the Entity.

OPERATING PROCEDURE:

1. Entities will contact the RAC Executive Director at 432-563-5554 for availability dates for the use of the Roll-Over Simulator.
2. RAC Executive Director provides Standard Operating Procedure and Operational Guidelines to the entity.
3. Authorized party of the Entity signs a waiver for acknowledgement of liability coverage.
4. Roll-Over Simulator transport requirements.
 - a. Vehicle capable of towing (**minimum ½ ton sized pick-up**)
 - b. Vehicle must have a **2” ball hitch**
 - c. Vehicle must have **6-pin round trailer connection** for use of safety lights.
5. Entities provide a copy of the towing vehicle’s liability insurance to the RAC Coordinator.
6. Pick up and return the Roll-Over Simulator on pre-designated dates.
7. Complete the Roll-Over Simulator Check List ‘Check Out Inspection’ upon receipt of the Simulator.
8. All light and loose accessory items are to be secured when transporting the Roll-Over Simulator to protect them from loss or damage.
9. Any questions regarding the Roll-Over Simulator are communicated to the RAC Executive Director at 432-563-5554.

10. Any scheduling changes are reported immediately to the RAC Executive Director.
11. Roll-Over Simulator should never be left unattended during an event. Entity's authorized person shall be responsible for the Simulator at all times.
12. Any damages to the Roll-Over Simulator or accessories must be reported immediately to the RAC Executive Director.
13. 'Return Inspection' portion of the Simulator Check List will be completed and signed when in it is returned to Midland College ATC.
14. Ted Sumner of Midland College ATC shall ensure that the Roll-Over Simulator is 'checked in' appropriately upon its return date.

GUIDELINES:

1. SET UP:
 - A. Select a level site of no less than 20 feet by 20 feet to allow for space and audience area. Electricity (plug-in) is needed.
 - B. Stanchions and chains are used to keep the public and attendants at least 15 feet away from the sides of the trailer and 10 feet away from either end.
 - C. Caution signs should be hung on both sides of the trailer.

2. OPERATIONS:
 - A. Motor switch and brake switch resemble light switches. **Make sure brake switch is 'off' when the motor switch is 'on'.**
 - B. Place crash dummies into cab of Roll-Over Simulator without use of seat belts.
 - C. Caution bystanders to remain behind safety chain area.
 - D. While brake is in the 'off' position, turn the motor switch 'on'.
 - E. When the Simulator reaches maximum speed (3 to 4 full turns), turn the motor switch 'off'. **Allow the machine to slow before using brakes.**
 - F. Begin to slow the Simulator by applying the brakes **intermittently** to slow the speed. Apply brake periodically to effectively slow the turns.
 - G. When speed has slowed, turn the brake switch 'on' until the Roll-Over Simulator has stopped completely. **Then turn brake switch to the 'off' position.**
 - H. Repeat the process with crash test dummies properly seat-belted into the cab. **Explain to the audience the importance of seat belt use.**