

**SA 03 EVOC**  
**Session 4 – Skid Pan**  
**Learning Activity 16**  
**LD 19 Emergency Vehicle Operations Course**

**Purpose:** This learning activity affords the students the opportunity to practice oversteer skids (loss of traction to the rear wheels in a turning movement) on the designated “Skid Pan” course.

**Description:** An EVOC instructor will demonstrate oversteer skids on the Skid Pan course. The skid pan’s surface is constructed of polished concrete; water is sprayed continually on the surface during the exercise to assist with inducing a skid. The skid vehicles have deep treaded tires mounted on the front wheels and tires that have been shaved to 1/32” on the rear wheels. This surface combined with the vehicle’s tire conditions allow for skids to occur at relatively slow speeds of 10 to 20 miles per hour. The instructor will initiate the skids by over accelerating while exiting a turn. The instructor will correct the skids using the appropriate coordination of throttle and steering control. The student will be able to identify the oversteer skid condition and demonstrate the proper correction to regain control of the vehicle. The instructor will facilitate a discussion of how a tire disperses water and the factors involved (e.g., tire tread depth, weight on the tire, depth of water, and speed). The student will identify the causes and contributing factors of vehicle hydroplaning and distinguish between and describe the causes of the following type of skid: **(LD 19 IV. H. 2)**

Each student will provided an appropriate amount of time to practice what was demonstrated under the supervision of an EVOC instructor. During the practical application, the EVOC instructor will actively assess the student’s performance and provide real time instruction to positively reinforce proper techniques or correct any deficiencies that are observed. The instructor to student safety ratio for this exercise is 1:3.

**Resources needed:**

- EVOC training vehicles (Skid Cars)
- Police radios

**Key learning points:**

- Distinguish between and describe the causes of the following type of skids: **(LD 19 IV. H. 2)**
- Identify the causes and contributing factors of vehicle hydroplaning **(LD 19 IV. I)**
- The student will understand how to utilize the steering and throttle to recover from an oversteer skid caused by over acceleration
- The student will be able to identify the factors that contribute to how and why a tire begins to hydroplane
- The student will understand and continue to practice and perform the fundamentals of vehicle control

**Time required:** 1 hour and 10 minutes