MONTGOMERY COUNTY FIRE AND RESCUE SERVICE
DRIVER/OPERATOR TRAINING PROGRAM

Practical Application Guide Sheet

Rescue Squad – Cutting Torch & Power Saws

Candidate Performance Competency: The candidate will demonstrate proficiency in the maintenance, use, and application of cutting torches and saws carried on the apparatus.

Task	Value	Score
Torches		
1. Identify all types of cutting torches carried on the rescue squad. (Petrogen, Plasma Arc)	8	
2. Identify the types of materials that can be cut by each torch. **(CFP)** (Petrogen – steel, cast iron, Plasma Arc – conductive metals)	8	
3. Identify the type of torch needed to cut these materials: steel, iron, aluminum, concrete.	10	
4. Identify the fuel sources of each torch.	6	
5. Define what oxidation means and how it applies to certain torch operations. (Petrogen oxidizes steel during cutting)	8	
6. Assemble the items needed to operate each torch carried.	10	
7. Perform a cutting operation on flat steel. **(CFP)**	8	
8. Perform a cutting operation on round steel. **(CFP)**	8	
Power Saws – Gas, Electric, Battery		
9. Describe each power saw carried on the apparatus. (circular, reciprocating, rotary cut-off, chain)	8	
10. For each saw, identify the type of blades available and the materials they cut.	8	
11. Demonstrate a daily checkout of each type of saw on the apparatus.	8	
12. Demonstrate a blade change on each type of saw on the apparatus.	10	
Total Points	100	

Critical Fail Points

Failure to successfully perform any of the following components will result in an automatic failure of this evolution regardless of total score.

a) Incorrectly identifying the materials that can be cut by the torch

b) Failure to complete the cutting operation defined by the evaluator

Evaluator: Initial beside the final outcome of the exam below.

_____ **PASS** _____ **FAIL – Overall Points**   ___ **FAIL – Critical Failure Point**

_____   _____

Evaluator Name   **Date**

_____

Evaluator Signature