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1. Welcome & Course Overview

Welcome to AORSI-800-SDW: Standards Development Workshop. This workbook is your companion throughout the workshop. It contains lecture notes, guided activities, worksheets, and templates that you will use during group exercises and assessments. Keep this workbook as a resource for future reference when participating in standards development.

Course Purpose: To provide participants with the knowledge, skills, and hands-on practice to draft, review, and harmonize off-road industry standards while working collaboratively with stakeholders.

2. Learning Objectives

By the end of this course, you will be able to:

- Explain the purpose and structure of standards.
- Understand the drafting, review, and approval process.
- Engage stakeholders effectively and build consensus.
- Apply harmonization practices across national and international contexts.
- Draft and review standards collaboratively with peers.

3. Module 1: Introduction to Standards Development (ANSI, SAE, ISO)

Lecture Notes

- Standards Defined: Documents that establish requirements, specifications, guidelines, or characteristics.
- Purpose: Ensure safety, interoperability, efficiency, and fairness.
- Types: Voluntary standards (industry-driven), mandatory standards (regulated).
- Organizations:
 - ANSI (American National Standards Institute)
 - SAE (Society of Automotive Engineers)
 - ISO (International Organization for Standardization)
 - ASTM (American Society for Testing and Materials)

Guided Activity: Standards Brainstorm

Instructions: In small groups, list examples of standards in the off-road world.

Consider:

- Vehicle components (tires, winches, lights)
- Safety gear (helmets, harnesses)
- Training & education programs

Reflection Questions

1. Why are standards important for safety and fairness in off-roading?

2. What would happen if there were no agreed-upon standards?

3. Which organizations might influence your area of work?

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