Assessment
MEMS for Environmental and Bioterrorism Applications
Participant Guide

Introduction

The purpose of this assessment is to evaluate your understanding of MEMS Environmental and Bioterrorism Applications after having read the PK and completed the activity associated with this learning module.

There are six (6) discussion questions.

1. Name two major events that have occurred that have spurred the development of MEMS sensor technology for the environment and bioterrorism?

2. Describe three application of MEMS sensors in factories and buildings.

3. Describe two applications of MEMS in the military.

4. Describe an application for smart dust and how it would work.

5. List one MEMS application that is or could be used in each of the following environments and the type of sensor that would work for the stated application.

- marine
- land
- air

6. Based on what you have learned in this unit, what types of MEMS sensors could you see in your home or office that would make it safer? (Describe at least two examples)