Field-Purposing Technologies: Placing Forensic Tools into the Hands of Field Practitioners for Timely Intelligence

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Abstract
As the need for faster information and more robust crime scene analysis continues to rise, it is more important than ever for forensic science practitioners to receive timely and relevant information to support decision-making and provide actionable intelligence to their agencies. This ensures that the information provided is not only current and relevant but also provides necessary information to support the investigation process. One significant challenge is the timely dissemination of forensic tools and technologies to field practitioners in a manner that ensures they are familiar and equipped to utilize these tools effectively. This challenge is critical as the timely dissemination of forensic tools and technologies to field practitioners can have a direct impact on the effectiveness and efficiency of law enforcement agencies and their ability to solve crimes and prevent future incidents.

Introduction
This discussion highlights the need to develop an information tool that supports the timely dissemination of forensic tools and technologies to field practitioners in a manner that ensures they are familiar and equipped to utilize these tools effectively. This tool is designed to support decision-making and provide actionable intelligence to agencies.

Field-Purposing Process

1. **Identify and Select Technologies**: This step focuses on identifying and selecting forensic tools and technologies that are relevant to the field practitioners. The selection process ensures that the technologies are appropriate for the field environment.

2. **Develop Field Training Materials**: This step involves developing field training materials that are tailored to the needs of the field practitioners. The training materials are designed to provide the necessary information to support the effective use of the selected technologies.

3. **Train Field Practitioners**: This step involves training the field practitioners on the proper use of the selected technologies. The training is designed to ensure that the practitioners are equipped to utilize the technologies effectively.

4. **Implement and Monitor**: This step involves implementing the selected technologies and monitoring their effectiveness. The monitoring process ensures that the technologies are being used effectively and that any necessary adjustments can be made.

Mission Space
The mission of the group is to identify forensic tools and technologies that are relevant to the field practitioners and to provide actionable intelligence to support the timely dissemination of these tools.

Impact and Implications for the Future

- Improved approach to training the field on new tools and technologies to ensure effective and timely dissemination of information.
- Enhanced forensic technology capabilities that allow for the timely dissemination of actionable intelligence to support decision-making and preventive actions.
- Increased collaboration between technology and law enforcement, leading to a more effective and efficient approach to crime prevention and investigation.

Deployable Forensic Laboratory

**Rapid Response to Urgent International and Domestic Needs**

Deployable forensic laboratories are essential tools to provide forensic services to emerging or distant locations. Each deployable laboratory is equipped with a robust suite of forensic equipment and personnel to support quick and effective responses. These laboratories are designed to be quickly set up and provide a comprehensive range of forensic services.

- **Step 1: Pre-deployment**
  - **Identify** the need for deployment based on situational assessment.
  - **Select** the appropriate deployable laboratory based on the scope of the mission.
  - **Train** personnel on the equipment and procedures.

- **Step 2: Deployment**
  - **Set up** the laboratory in a secure and controlled environment.
  - **Conduct** forensic examinations and investigations.

- **Step 3: Post-deployment**
  - **Disassemble** and return the equipment to a safe storage location.
  - **Evaluate** the effectiveness of the deployment and make necessary adjustments.

**Mission**
- **First responders** are the first to arrive at the scene of an incident.
- **Law enforcement** is responsible for gathering evidence and investigating the crime.
- **Forensic laboratories** provide specialists to analyze evidence and provide expert testimony.

**Technology**
- **Field portable forensic laboratories** are designed to be set up quickly and provide comprehensive forensic services.
- **High-tech forensic equipment** is used to analyze evidence and provide expert testimony.

**Impact**
- **Immediate** response to incidents in remote locations.
- **Increased** effectiveness in crime prevention and investigation.
- **Improved** collaboration between technology and law enforcement.

**Future**
- **Advanced** technology will be integrated into the deployable laboratories to enhance their capabilities.
- **Enhanced** training programs for personnel to ensure effective use of the technology.
- **Improved** communication and coordination between the laboratory and field personnel.

**References**
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