SAND2011-3069P

Determining Sector Enhancements
Module 8

Starting Point – Gap Analysis

System Elements

- **Personnel**
- **Organizational Structure**
- **Equipment/Material**
- **Data/Information**
- **Infrastructure**

Capabilities

- **Surveillance/Screening**
- **Detection/Inspection**
- **Interdiction**
- **Disposition**

Functional Areas

- **Ports of Entry - Land, Sea, Air**
- **Ports of Entry - People, Vehicles, Cargo**
- **Open Border Areas**

Event Analysis

Opportunities for Improvement—Personnel

- **Training**
  - **Knowledge, Skills, Abilities**
  - **Equipment Use**

- **Procedures**
  - **Process Improvement**
  - **Deconfliction**

Opportunities for Improvement — Organizational Structure

- **Defining a centralized authority**

- **Legal/Regulatory foundation**

- **Chain of command**

- **Flow of procedures and information**

- **Trend analyses**

- **Communications with neighbors**

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Opportunities for Improvement — Material/Equipment

- **Usually associated with a functional area first, then capability**

- **Select equipment that enhances personnel performance**

- **Consider**

  - **Personnel knowledge, skills, and abilities using equipment/material**

  - **Necessary supporting training**

  - **Power/Communications requirements**

Opportunities for Improvement
Data/Information

- **Consider how data can be better collected and used**

- **Consider communication improvements**
  - **Equipment**
  - **Procedures/Protocols**

- **Consider trend analyses, intelligence integration, and information dissemination**

Enhancement Considerations

- **Screening and processing border movement**
  - **Capabilities vs. quantity**

- **Detection and screening capabilities**
  - **Probability of detection and thresholds**

- **Interdiction**
  - **Apprehensions and detainment**

- **Disposition**
  - **Reporting Requirements**
  - **Short-term and long-term storage**

Functional Areas

- **Points of Entry (POE)**
  - **Human traffic**
  - **Vehicle traffic**
  - **Cargo Traffic**

- **Open Border areas**
  - **Detection, Delay, response, and apprehension**
  - **Types of movement and capabilities to respond**

Site integration is essential for optimum performance

Finding Overlaps

- **Gather similar components**
  - **Personnel**
  - **Equipment/Material**
  - **Information Systems**
  - **Organizational Structure/Procedures**
- **Key Questions**
  - **Are components compatible and interoperable with existing systems?**
  - **What are the dependencies for success?**

Themes Across Elements

- **Surveillance**

- **Detection/Inspection**

- **Interdiction**

- **Disposition**

Finding Opportunities

- **Are the enhancements unique to this sector or can other economies of scale be achieved?**

- **What areas require coordination with other elements?**

- **Are there overlaps in functions?**

- **Is there redundancy that provides backup provisions?**

- **Have contingency plans be made should any of these fail?**

Exercise 8-1:
Identifying Integration Opportunities

- **Identify enhancement design components for**
  - **Personnel**
  - **Equipment/Material**
  - **Information Systems**
  - **Organizational Structure/Procedures**
- **Identify themes in**
  - **Surveillance**
  - **Detection/Inspection**
  - **Interdiction**
  - **Disposition**
- **Identify opportunities for synergy, economies of scale, coordination, etc.**