

Establishment of Accident Management System in Humanitarian Demining Projects Based on C4I (C4IDAM)

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Outline

- Role of C4I in HD projects
- Accident Management System
- Definition of C4IDAM
- Conclusions



C4I

- Command
- Control
- Computers
- Communications
- Intelligence



Computer Systems

- Computers required for all aspects of C4IDAM
 - Assimilate and display tactical, operational, and administrative data for the Deminer
 - Deliver rapid information to operational commanders (Deminer Leader)
 - Modular assembly preferred for ease of upgrades
- Real-Time Communication
- Multiple uses of Information:
 - DATA (Voice, Video, Danger Map,...)
 - SENSOR



Intelligence

- **Product of collecting, processing, integrating, analyzing, interpreting and exploiting information.**

- **Types:**
 - Strategic Intelligence
 - Operational Intelligence
 - Tactical Intelligence



Intelligence

- **Requirement Develop information that is;**
 - Timely
 - Accurate
 - Usable
 - Complete
 - Relevant
 - Objective
 - Detailed



Function of Intelligence

- Prepare the Battle space
 - Define environment or physical characteristics.
 - Evaluate the threat and the threat's course of action.
- Provide Early Warning
- Evaluate the situation (current actions & changes)
- Determine Intention
- Identify and Target the Mine's Vulnerabilities
- Assess Battle Damage
- Manage Intelligence Information



Accident Management System

- ❑ **Elements of an Effective Accident Management System**
 - ❑ Suitable to all Demining Company
 - ❑ Adaptable to any accident
 - ❑ Applicable and acceptable
 - ❑ Adaptable to new technology
 - ❑ Expandable
 - ❑ Common elements, terminology & procedures
 - ❑ Easily implemented
 - ❑ Low operational maintenance costs



Accident Management System

Tasks Managers Perform

- Planning
- Directing
- Organizing
- Coordinating
- Communicating
- Delegating
- Evaluating



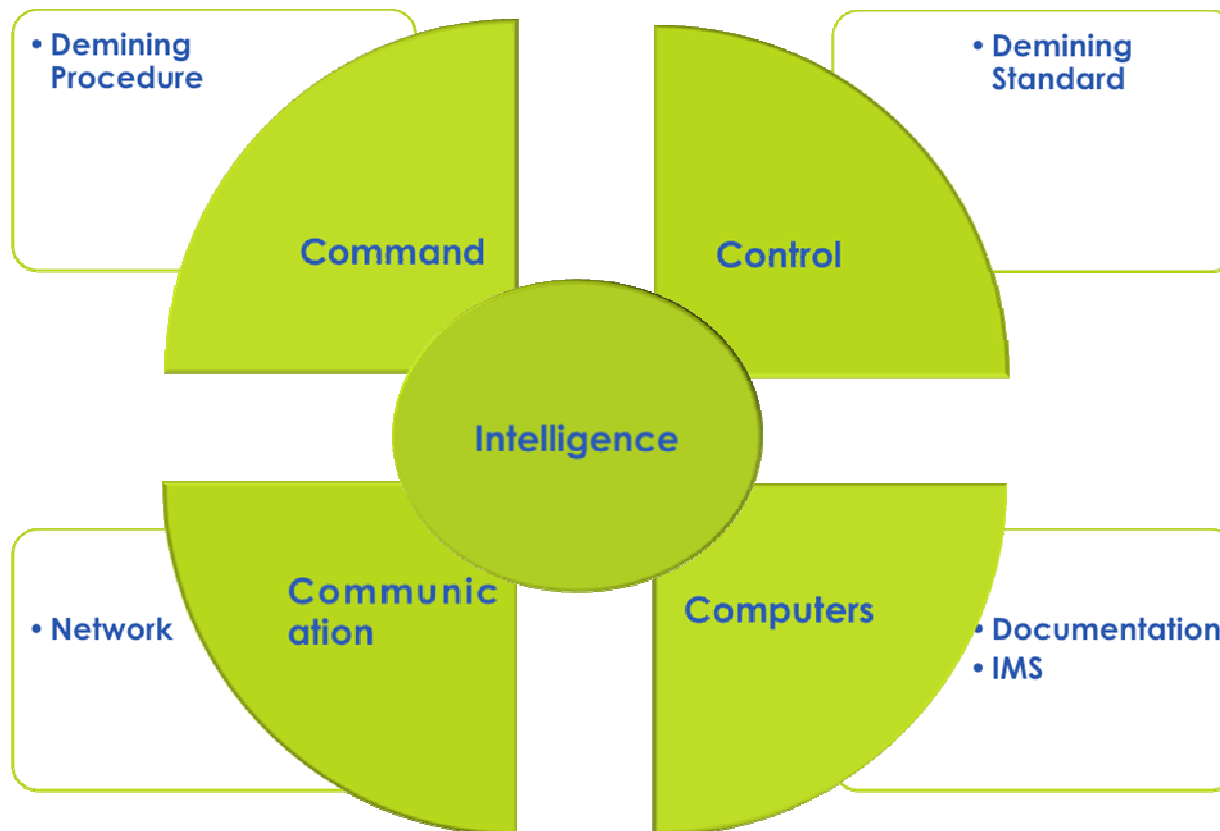
Accident Management System

- ❑ **Factors that affect Emergency Management**
 - ❑ Dangerous
 - ❑ Dynamic
 - ❑ Complex
 - ❑ Confusing

- ❑ **Components of an Emergency Management System**
 - ❑ Common terminology
 - ❑ Modular organization
 - ❑ Integrated communication
 - ❑ Command function



C4IDAM



C4IDAM: General DAM Org.





Andisheh Sazan Mandegar

**Looking Forward To Having
The EARTH With
No Landmine**