
Agrifood Occupational Health and Safety

Module Objective

Understand the nature and importance of occupational health and safety within agrifood production systems, understand the basic precepts of management systems, and understand how they can apply in USAID projects



Outline

- Diving forces for including OH&S
- Basic concepts behind OH&S
- OH&S management systems
- USAID roles and responsibilities

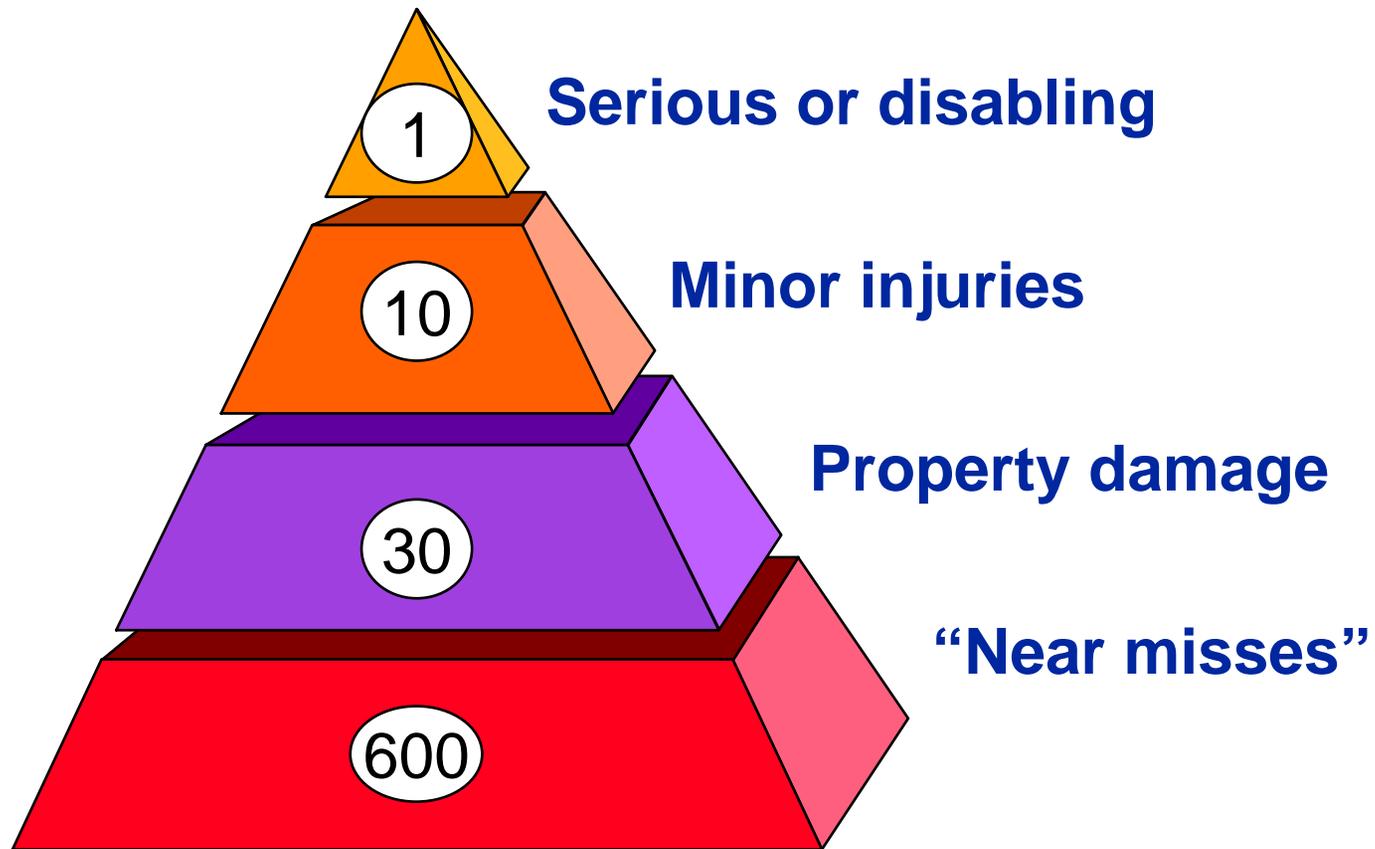


Reminder | Agriculture Remains Dangerous

- 21 Fatal accidents per 100,000 workers
- 50% fatalities in agriculture
- 170,000 fatalities/year
- 2-5M pesticide poisonings/year
- 40,000 fatal poisonings/year



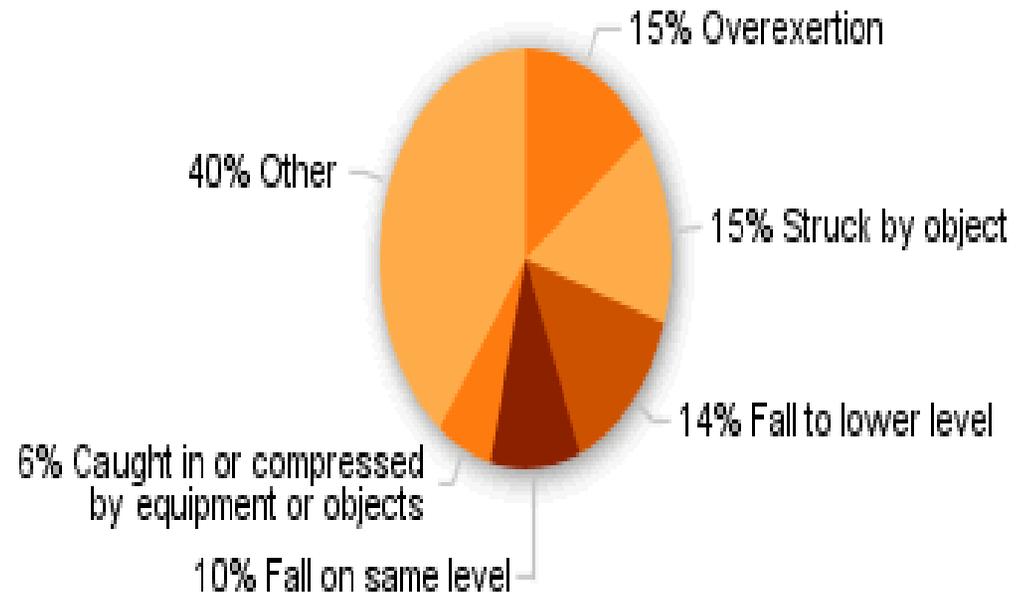
Global Agribusiness Accident Ratios



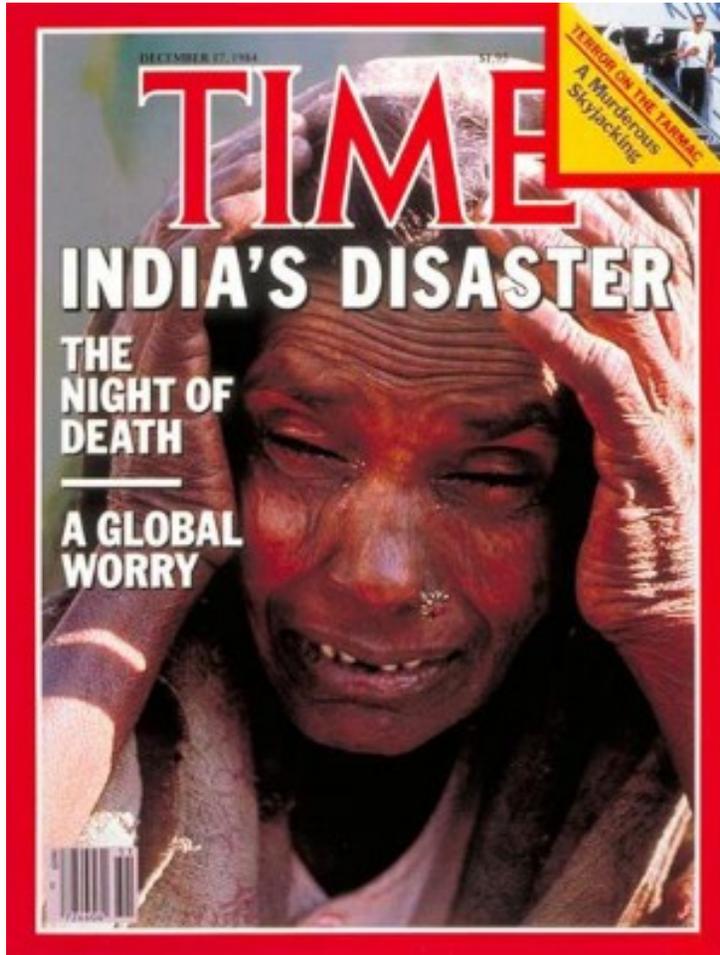
Driving forces

- Cost of accidents
- Lost productivity
- Insurability
- Buyer pressure
- Regulatory costs

Top Five Accident Types
2001 – 2005



Why bother?



- Criminal Liability
- Civil Liability
- Moral Responsibility
- Poor Business
- Staff Turnover
- Low Morale
- Higher Insurance



What causes agrifood accidents?

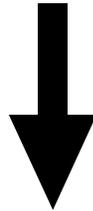
- Lack of information/training
- Working too quickly
- Fatigue, illness or distractions
- Wearing unsuitable clothing
- Working with inappropriate tools



What is an “accident”?

An unplanned, uncontrolled event which has resulted in, or could have

led to



- **Physical injury or death**
- **Damage to agribusiness production or processing equipment**
- **Environmental impact - pollution**
- **or some other loss**



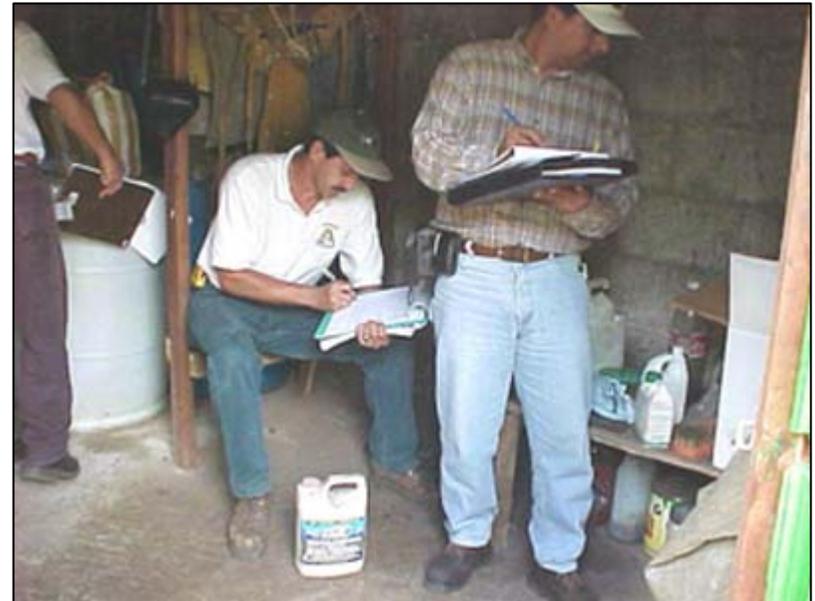
Benefits of OH&S systems

- Voluntary management system
- Integrates OH&S hazards into agrifood business process
- Identify, assess and control hazards relating to business
- Anticipates and meets OH&S performance expectations (national / international level)



Purpose of management system

- Identify regulatory compliance requirements
- Identify hazards and risks
- Manage risks as reasonably practicable
- Establish a policy and objectives
- Monitor performance



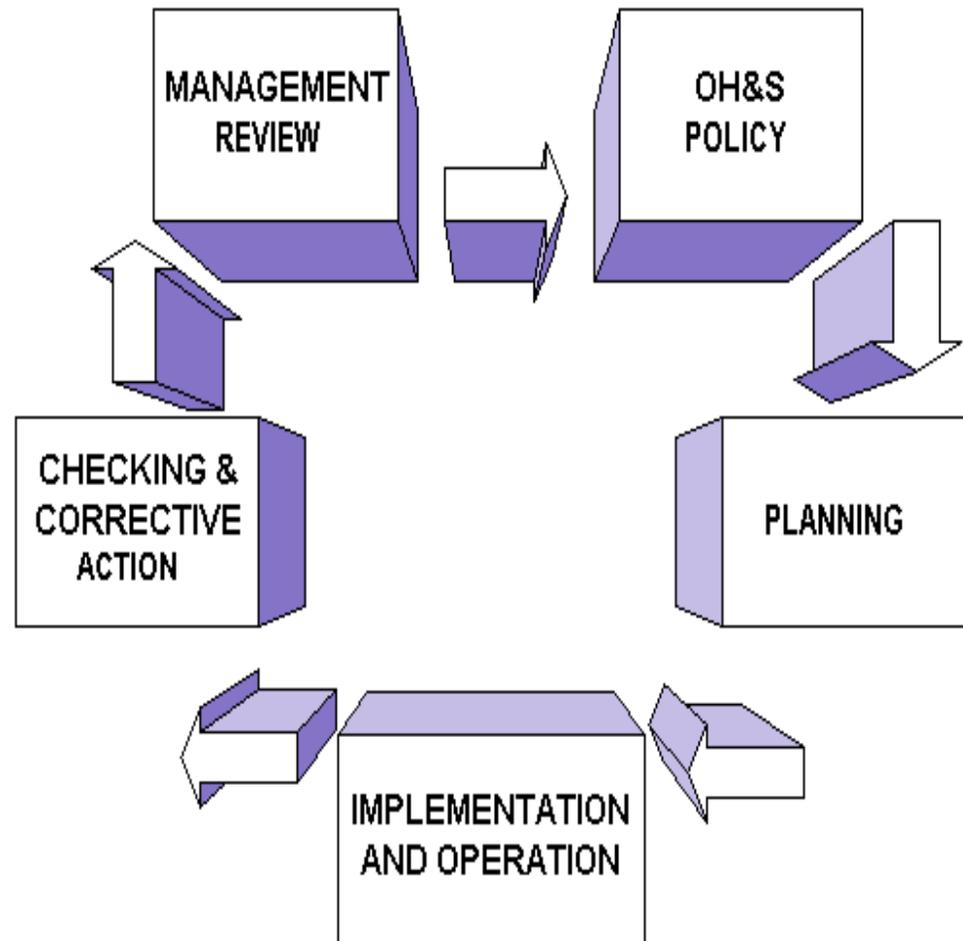
Competitiveness implications

- Costs are high
- Buyer confidence
- Ease in interchangeability



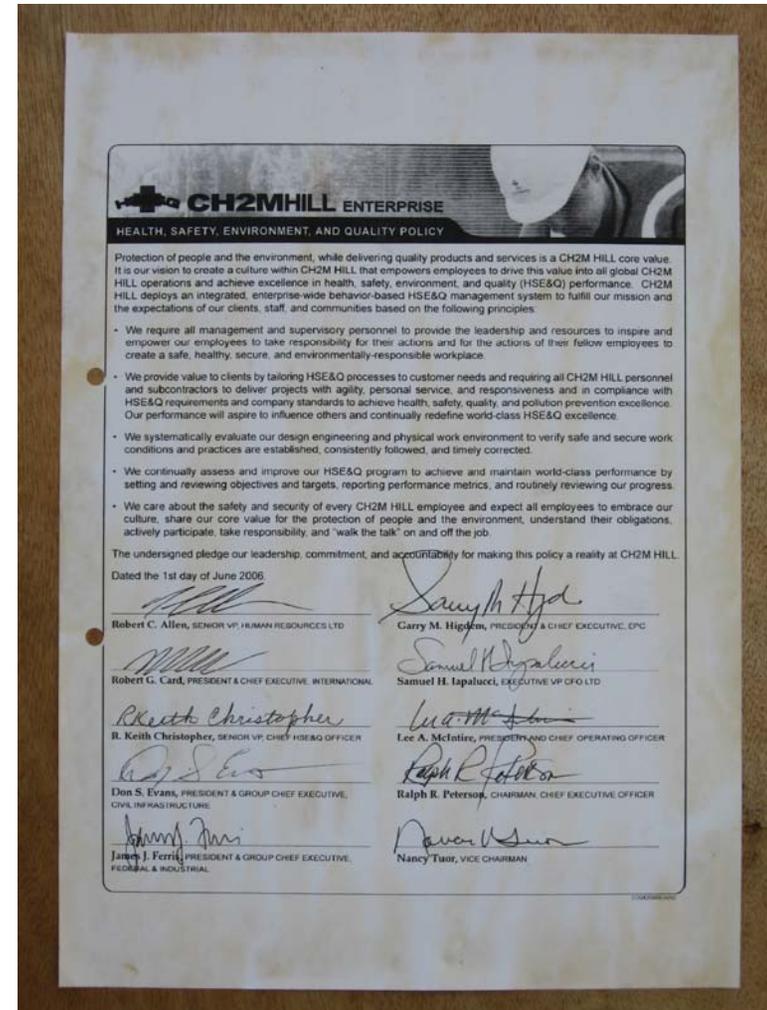
Common elements of OH&S systems

- Policy formulation
- Risk assessment
- Plan development
- Implementation
- Corrective action
- Management review



Defining OH&S Policy

- Check against risks
- Publish and assure access
- Clarify responsibilities
- Install improvement process
- Promise routine review



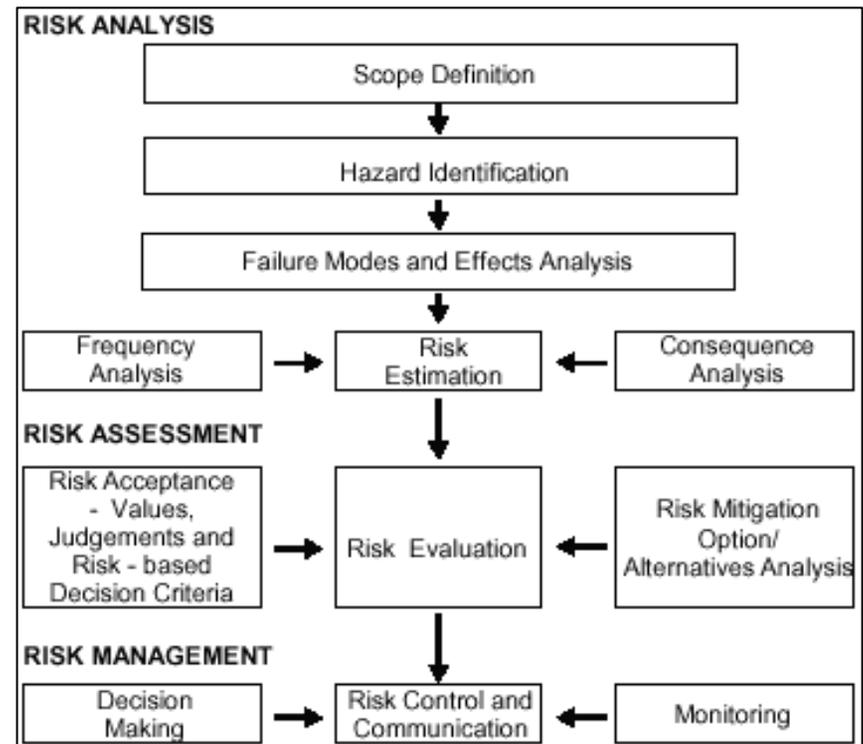
The Planning Process

- Identify possible hazards
- Assess relative risks
- Inventory legal requirements
- Identify control measures
- Define appropriate system
- Set objectives to minimizing
- Establish management



Risk Assessment is **FUNDAMENTAL**

- Frequency of occurrence
- Severity of impact
- Ability to reduce, mitigate or control



Implementing an OH&S system

- Define structure and responsibilities
- Establish competency
- Establish consultation & communication
- Establish document system
- Operational Control
- Emergency preparedness & response



Checking and Corrective Action

- Performance measurement and monitoring
- Accidents & corrective action
- Records and records management
- Audit procedures

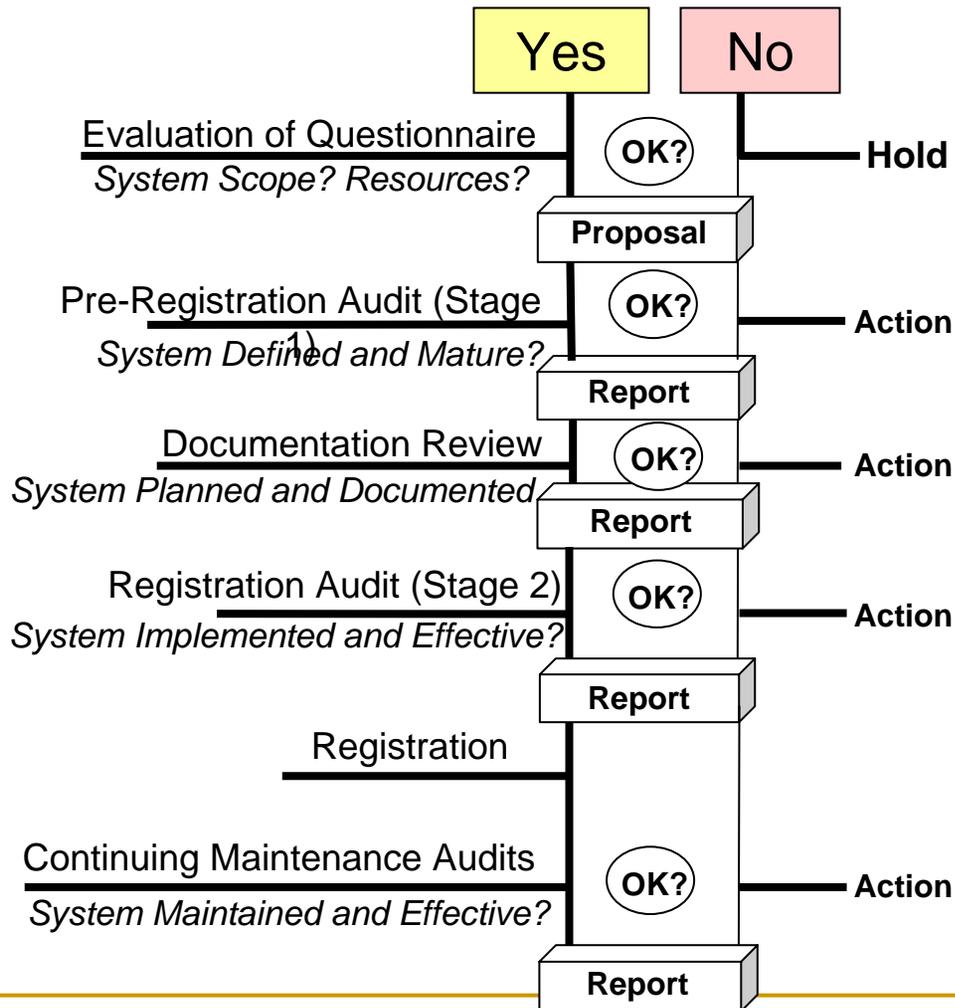


Management Review

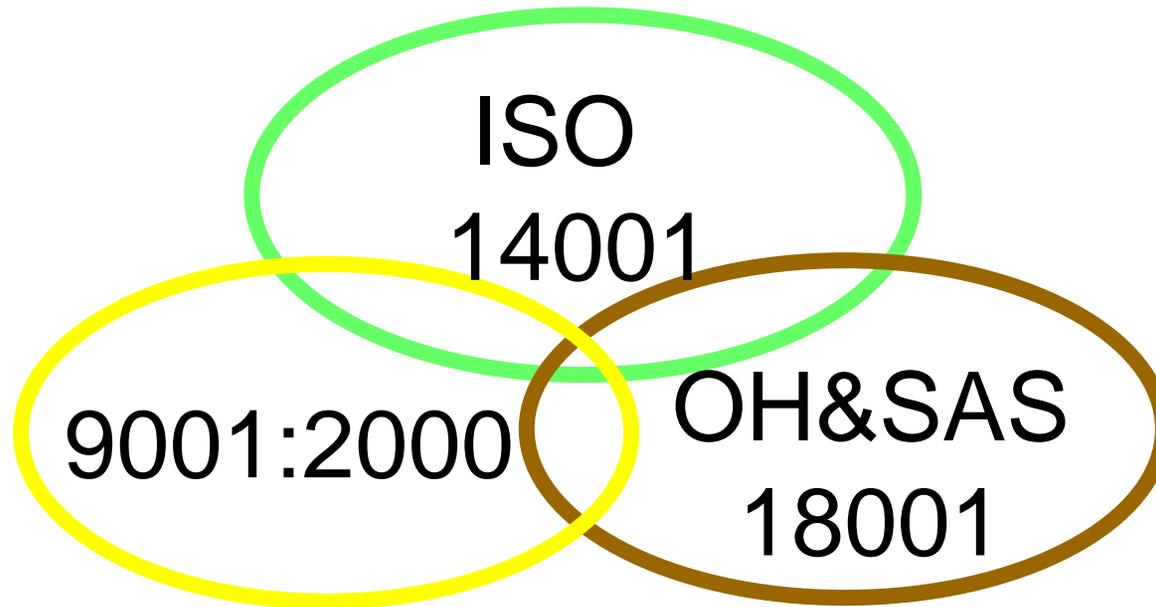
- Suitability of current OH&S policy
- Adequacy of current risk assessment procedures
- Effectiveness of inspection process
- Results of management system audits
- Investigations into accidents and incidents
- Effects of foreseeable changes to legislation or technology



OH&SAS 18001 Registration Process



Integrated Management System



OH&SAS 18001 has been designed to be compatible with ISO 9001 (Quality) and ISO 14001 (Environmental) management systems standards, to allow for easy integration of the management systems.



Wrap-up

■ Design

- Make sure it's in IEE's
- Help design team understand it

■ Procure

- Make sure the RFP's identify need
- Incentivize offerors

■ Implement

- Include in AWP's
- Set aside resources and incentives



Exercise

- Create a checklist of possible OH&S issues to be used during the field visit this afternoon
- Consider the following areas:
 - Production and farm management
 - Processing
 - Logistics

