



ANSI BSL-3 Committee

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Charge to the Committee

- Develop a Guidance Document to Standardize BSL-3 Facilities Design, Operation & Testing
 - Not necessarily a “standard”
 - Not necessarily a “certification”
 - Not necessarily a “validation”
 - Definitely not a “regulation or law”
 - Not “commissioning”
- Provide methodologies to accomplish

What's the Problem?

- Currently no uniform standards or measurable tests for containment & many BSL-3 & ABSL-3 facilities have system & operational deficiencies with potential for safety issues & exposures
- Examples: air pressure reversals, stack exhaust issues, insufficient air changes, lack of operations & maintenance SOPs, & lack of training appropriate for the biocontainment

Why so Important?

- Large number of known BSL-3 laboratories due to federal funding records
- Unknown how many others out there who do not receive funding – Industry & other private examples
- Many other countries are building BSL-3 laboratories.

Committee Format

- Four Subcommittees

- Administration

- Design & Construction, PPE, All aspects of Training

- SOPs & Documentation

- Manuals: Security, Biosafety, Emergency Response

- Testing

- Risk Assessment, Testing of Engineering Controls

- Visual Inspections

- Checklists, Inspection & Evaluation - all Components

Starting the Process

- Strawman Document Created
 - Each voting & non-voting member asked to edit & comment on the strawman
 - Each sub-committee asked to edit or re-create all sections related to that sub-committee
 - Sub-committee chairs meet via teleconference
 - Sub-committees meet via teleconferences
 - Face to face meetings of all members 2-3 times each year

Why a Strawman?

- Strawman is a culmination of an extensive review of BSL-3 certification processes in the institutional, national & international arena
- Now up to the committee member's collective expertise in the field to enhance the information that is in this Strawman

How Do We Get There?

- A systematic review of all safety features & processes associated with the laboratory
 - engineering controls
 - personal protective equipment
 - building & system integrity
 - standard operating procedures (SOPs)
 - administrative controls
 - record retention systems

Challenges

- ▣ Time Frame is very short
 - ▣ Final due November 2011!
- ▣ Many items to cover
- ▣ Large group of 15 voting members & 15 plus contributing members
- ▣ Need for consensus
- ▣ What will the final product look like?

Depth & Breath of Work?

- Need to determine what this committee will cover in a final document?
 - Just BSL-3
 - BSL-3 & ABSL-3
 - Add Insects BSL-3
 - Add BSL-3P for plants
 - Include BSL-3Ag