



OVERVIEW OF THE ARMY FACILITIES STANDARDIZATION TECHNOLOGY STANDARDS GROUP

presented to

Energy Efficiency in Government Building Retrofits
A pre-conference workshop coinciding with the 2005 ASHRAE
Winter Meeting

Assistant Chief of Staff for Installation Management

4 - 6 February 2005



Purpose

- Present information on the Army Installation Design Standards
- Discuss the Army's Technology Standards Group
- Discuss current technology and facility standards



Why Installation Design Standards

The Army Installation Design Standards (IDS):

- Serves as the repository for Army Standards and Army Technical Standards.
- Will be embedded in Army regulations.
- Provides a complete compilation of all Army Standards for site planning, buildings, vehicular and pedestrian circulation, site elements (signage), force protection, and sustainable design.
- Provides framework for the develop of installation specific installation Design Guides (IDG).
- Improves installation function and appearance by ensuring
 - Standardization across all posts and garrisons
 - Sense of community, order, tradition and pride
 - Guidance on cost effective resource investment
 - Sustainability, reliability, and efficiency
- **Provides the mechanism for the implementation of Army Standards for installations**



What is the Intent of the Technology Standards Group?

- Collecting and disseminating to Army installations industry accepted standards, technologies, and techniques through the Installation Design Standards (IDS)
- A sustained, centrally funded and directed initiative to showcase and fast track new technologies and innovative practices into Army installation operations
- Creation of a long-range research and development requirement identification process
- Demonstration and implementation of new technologies and techniques

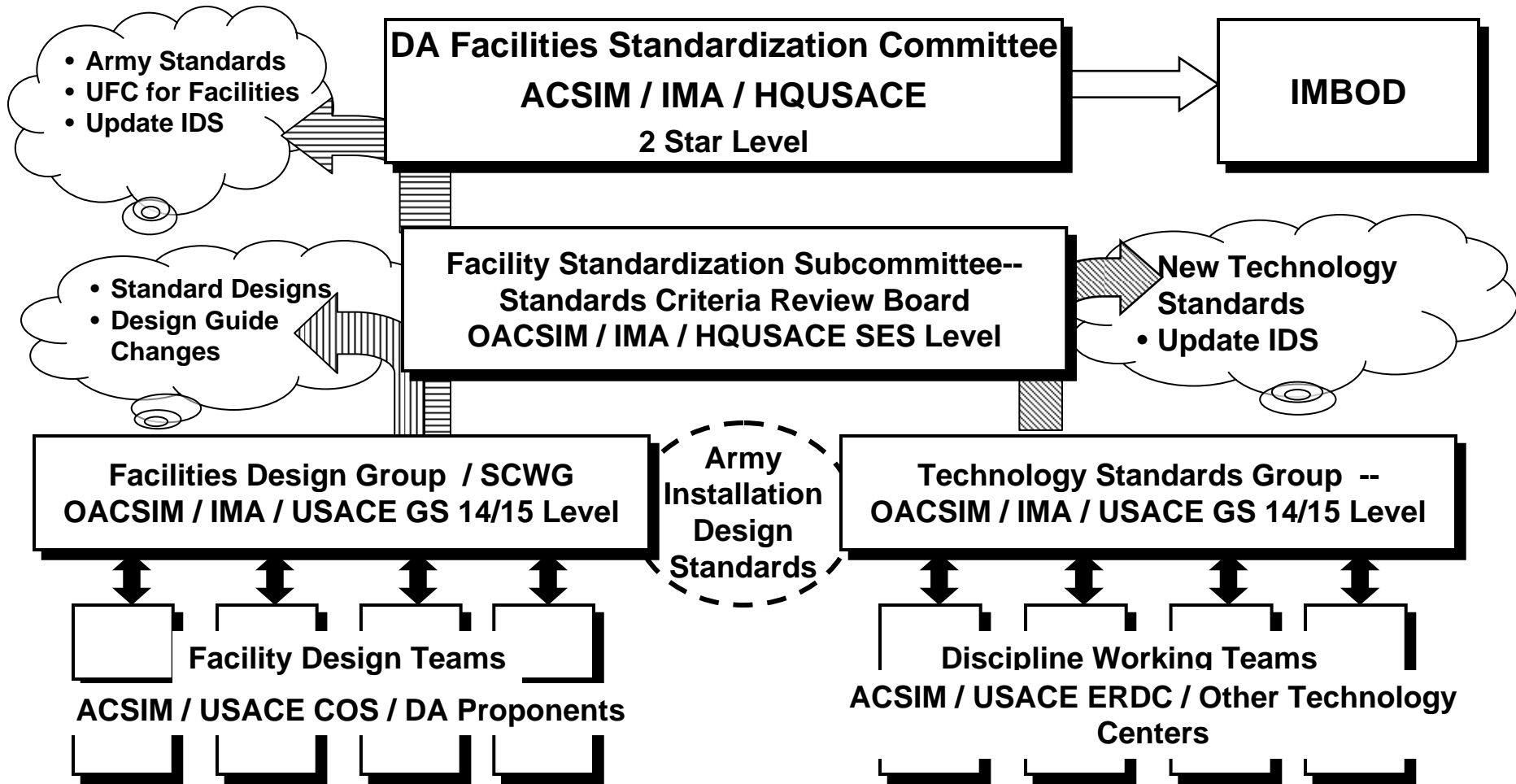


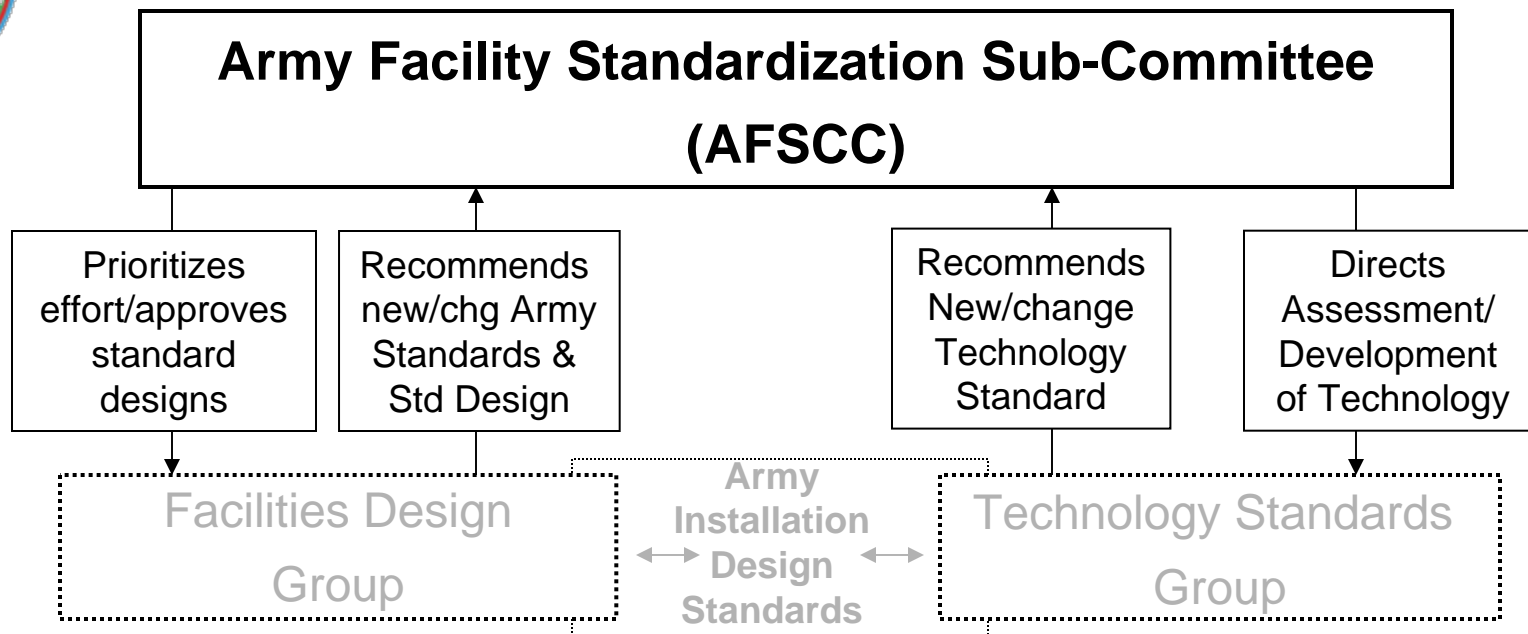
Why a Technology Transfer Program?

- Weapons systems vs. installations
 - Strategic & planned vs. “case by case”
 - Centrally selected & funded vs. individually selected & opportunity funded
 - Critical resources defined for life cycle vs. “patch work” & incomplete technology resourcing
- Provide a sound, field tested basis for changing the way the Army operates installations
 - Confirm benefits and costs
 - Identify unanticipated fielding and operational issues
 - Define how & where can technology can work for the Army
- Promote technology transfer by identifying the necessary adjustments to installation related policy, management and operations



Facilities & Technology Standardization Process





Standardization Subcommittee:

- Sets Priorities for the FDG and the TSG.
- Allocates Resources for needed analysis.
- Integrates the activities of the FDG and TSG.
- Recommends Army Standards to Standardization Committee
- Approves Standard Designs and Technology Standards.
- Ensures the standards are documented in the IDS.
- Meets at least quarterly.



Concept

(cont)

- Use Technology Transfer program to:
 - Implement technology & supporting management systems
 - Leverage with ongoing projects by covering additional costs
 - Identify technologies, monitor evaluations, verify results & define fielding strategies
 - Support technology transfer activities



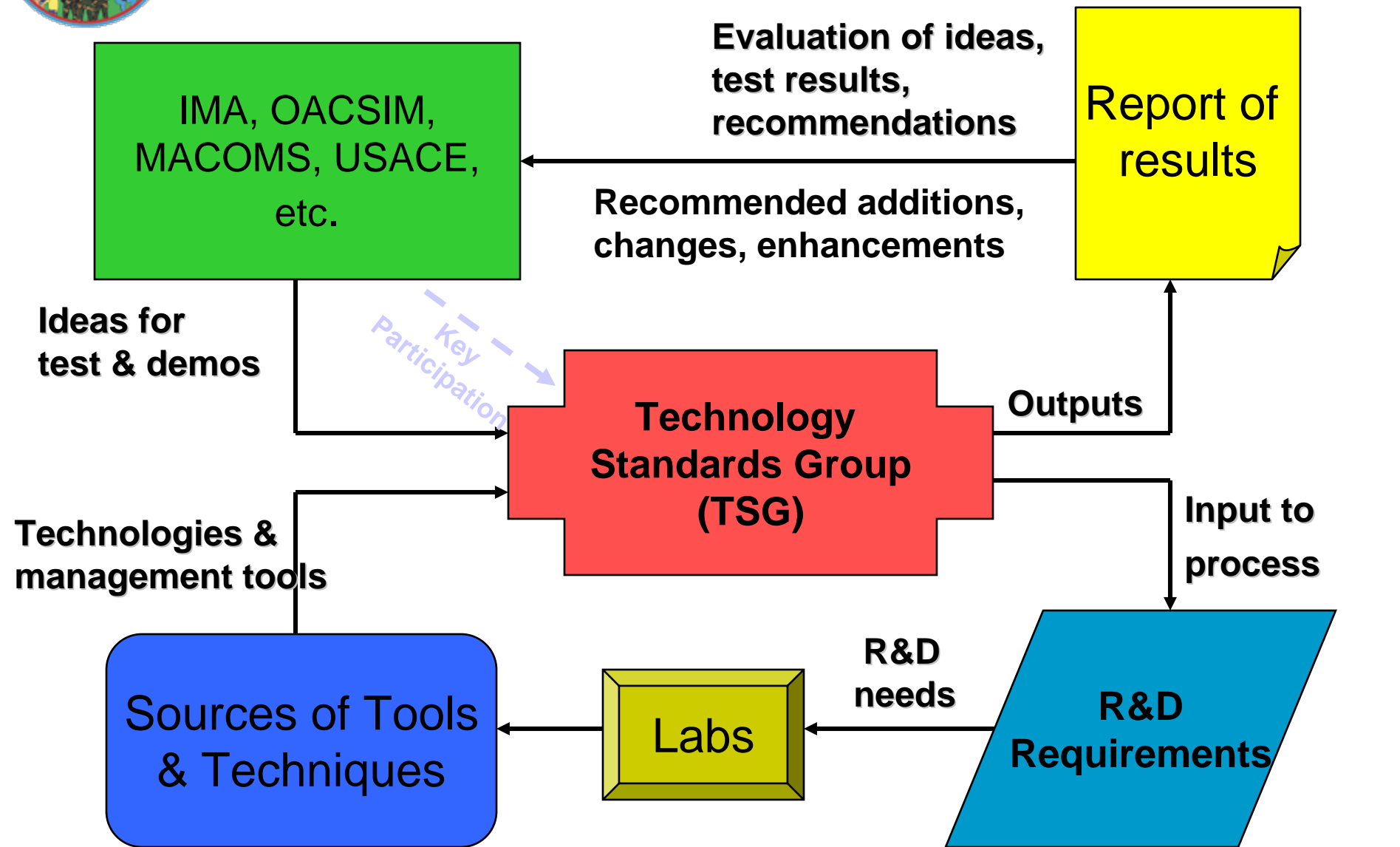
Technology Standards Group

The Technology Standards Group is an **integral part of the Installation Design Standards process.**

- Uses structure of the Army Facilities Standardization Committee
- Draws its resources from OACSIM, IMA, USACE, ERDC, etc.
- Technical support is reimbursed on a task order basis **with minimal program management overhead.**
- Intended to incorporate new technologies and components into the IDS and specific facilities standards.
- Provides a **low overhead** system to uniformly apply new technologies and solutions at Army installations.
- **Uses the IDS** to enforce cost effective technologies and component improvements at Army installations.



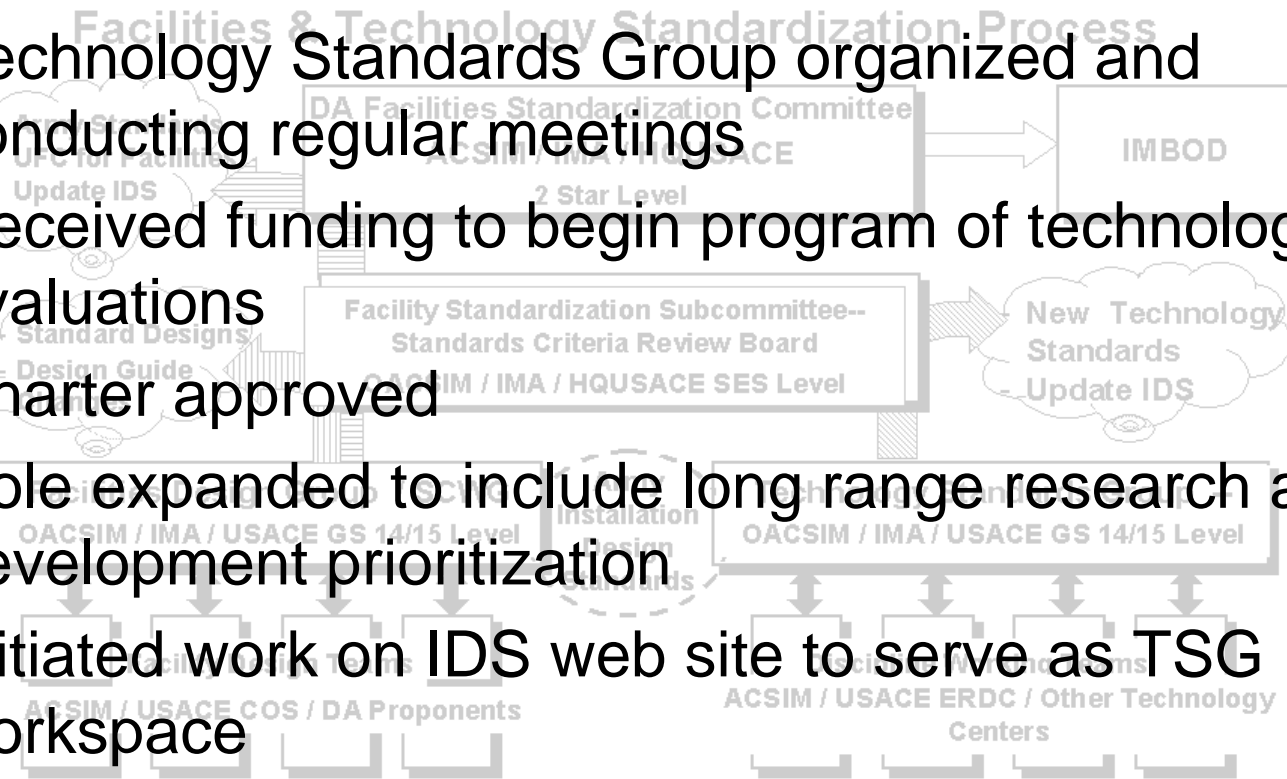
How Technology Transfer May Work





Accomplished

- Technology Standards Group organized and conducting regular meetings
- Received funding to begin program of technology evaluations
- Charter approved
- Role expanded to include long range research and development prioritization
- Initiated work on IDS web site to serve as TSG workspace





Way Ahead

- Expand IMA participation through the Performance Improvement Review process
- Develop long-range research and development priorities
- Continue integration of TSG with TRADOC Futures Center efforts
- Obtain consistent funding for TSG activities and technical evaluations



Questions and discussion