Major Features

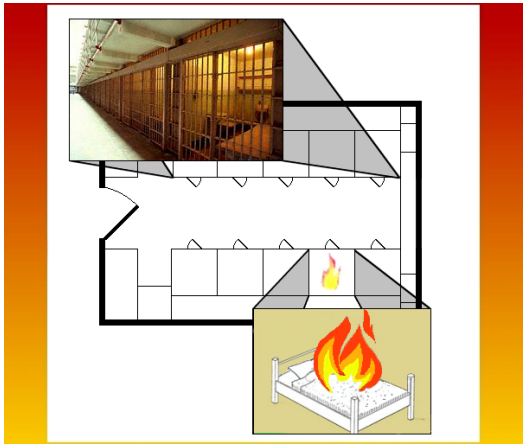
- Uses the flexible, performance *Life Safety Code*
- Shows current compliance status and safety points earned
- Has built-in construction cost data
- Includes local material and labor cost factors
- Built-in costs are easily modified
- Quickly finds the least-cost compliance plan
- Accounts for all special exceptions
- Presents easy-to-use graphical interface
- Offers on-line help system and tutorial
- Includes comprehensive User Manual

Cost Savings

The optimization method used in ***ALARM*** has been field tested in 89 hospitals (17,898 beds). For these facilites the least-cost compliance plan identified by the software was on average 41 percent less expensive than prescriptive compliance. This represents a potential cost savings of $2,116 per bed for a total savings of $37 million.

ALARM is a software tool that helps prison facility managers and fire safety engineers achieve cost-effective compliance with the widely-used *Life Safety Code*® of the National Fire Protection Association. The latest version of the software (2.0) supports analysis of Detention and Correctional Occupancies. Through a special provision of the code, ***ALARM*** implements a goal-oriented or performance-based approach to code compliance. The user specifies the current safety level of the facility for each of 13 life safety parameters and then enters construction dimensions for potential improvements. The software indicates whether the current safety level is in compliance with the code and, if not, quickly finds the least-cost plan to achieve compliance and its estimated construction cost. The software takes into account the special conditions in the code that preclude finding solutions by hand. A practice file with data from a sample facility, extensive help, a report utility for viewing and printing results, and a comprehensive file manager are included.

To order, contact:
One-Stop Data Shop
National Fire Protection Association
Phone: 1-800-222-5646, ext. 1860
Fax: 617-984-7478
Email: cservice@aca.org
Cost : $25.00



ALARM 2.0

Alternative
Life-Safety
Analysis for
Retrofit-cost
Minimization

Funded by the National Institute of Justice through the NIST Office of Law Enforcement Standards.

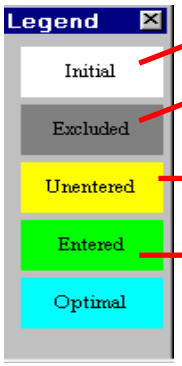
NIST
National Institute of Standards and Technology
Technology Administration
U.S. Department of Commerce

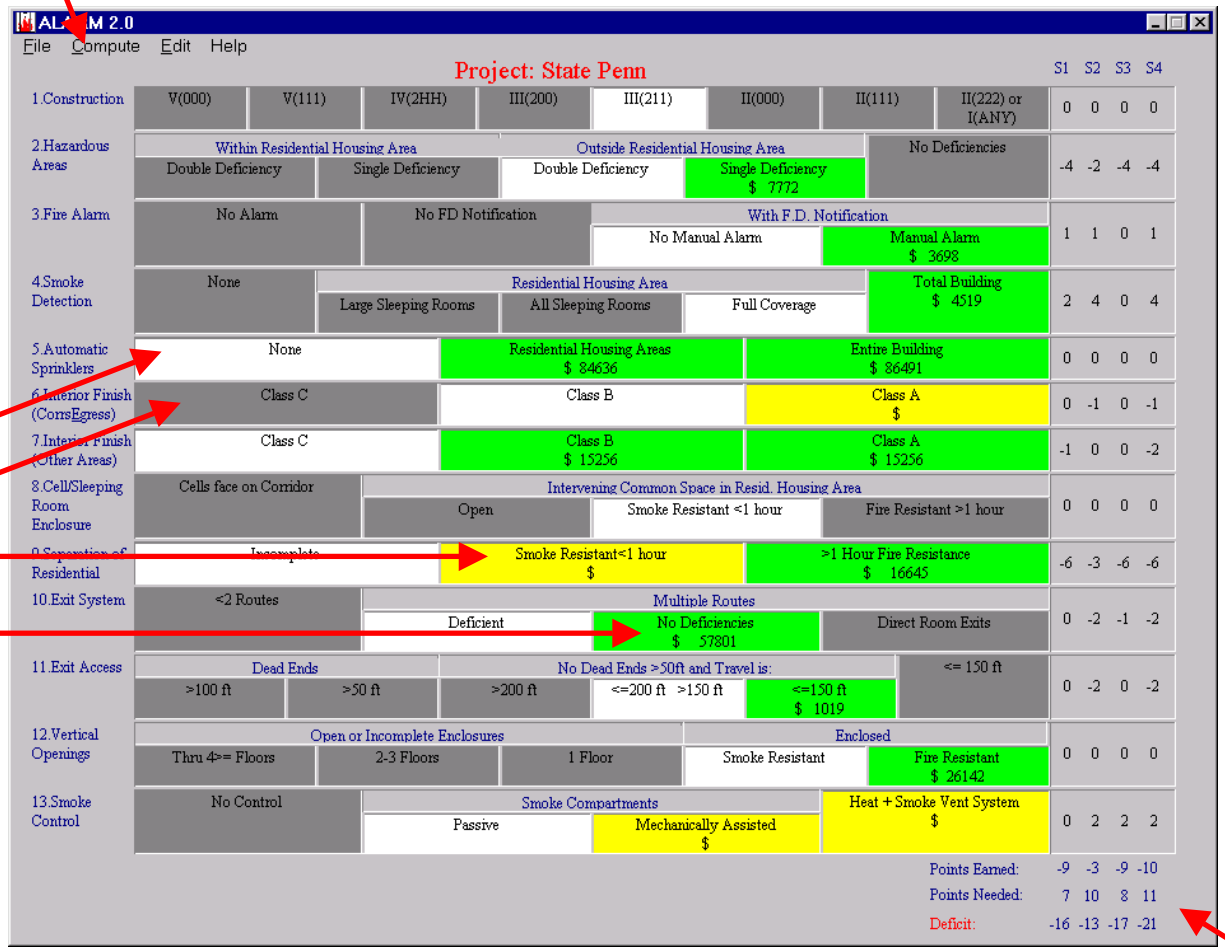
ALARM 2.0

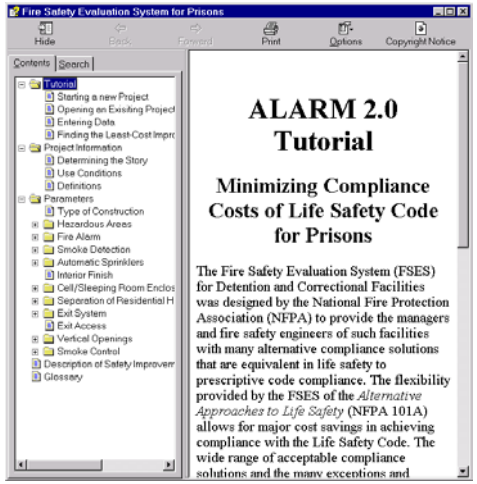
Built in optimization tool quickly finds the plan of action with the lowest implementation cost to achieve full compliance with the *Life Safety Code*.

Efficient user interface is an exact representation of the primary worksheet table of the *Life Safety Code*. Users can clearly see the alternative safety levels for all 13 safety parameters.

Popup Legend explains the color coding that makes it easy to distinguish the status of each safety level.

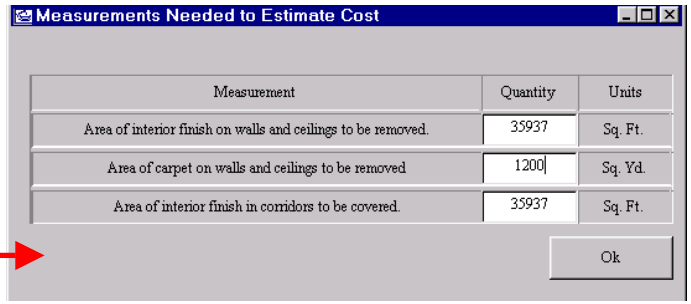






Comprehensive help system includes tutorial and definitions from the *NFPA Life Safety Code* documentation so that users can correctly identify their current safety levels.

User enters data needed for cost estimation in the user-friendly Measurement window. ***ALARM*** computes the least-cost method of improving safety from state to state using quantities supplied by the user and costs included in the software.



Continuously updated display of points earned toward the four safety goals for all 13 safety parameters. The display also shows total points earned and needed for compliance as well as the deficit or surplus of total points for each safety goal.