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**AFCESA**



*A-Grams are products of HQ Air Force Civil Engineer Support Agency Tyndall AFB, Florida 32403-5319*



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## TARGET AUDIENCE: *Engineering Flight*

# AIR FORCE PARAMETRIC COST ENGINEERING SYSTEM (PACES)

This A-Gram supercedes A-Gram 01-20, September 2001.

The new Air Force Microsoft Windows version of the Parametric Cost Engineering System (PACES2002 ver 4.0.0) is now being released to PACES users Air Force wide. In addition to reformatted screens, new markup methodology, and mobilization cost enhancements, Windows PACES 2002 version 4.0.0 includes these new models:

1. AF Dormitory models to coincide with the new Dormitory Design Guide
2. Historical AF Pricing Guide
3. Veterans Administration Model Updates
4. Updated POL models
5. New Anti-terrorism/Force Protection Module
6. New Bowling Alley Facility Model
7. New Parking Garage Model
8. New High Expansion Foam Fire Protection System in Aircraft Hangars
9. New Renovation Express Module for quick costing of renovation type work

PACES is an integrated PC-based budgeting and cost estimating system that enables parametric cost estimates for new facility construction, renovation, and life cycle cost. The parametric approach differs from traditional cost estimating methods by allowing the user to input a minimum amount of information to create a cost estimate, with model default quantities based on similar projects and experienced architectural and engineering assumptions. Predefined and documented engineering relationships link the primary parameters to detailed design assumptions and associated engineering quantities.

In PACES, these quantities, as well as most other model assumptions, can be changed by the user at various places within the model to reflect project-specific conditions. The use of parametric, or quantity, models helps avoid errors and omissions that are common in traditional cost estimating procedures, particularly during planning and early design phases. PACES features:

- Allows users to develop detailed estimates based on minimum design
- Allows default labor, equipment and material assumptions to be easily modified to site conditions
- Contains comprehensive cost database with over 25,000 line items and location-specific adjustments for over 1,500 cities
- Is annually expanded with model modifications to reflect current construction and updated price data

PACES is available to Air Force military and civilian personnel. If you are a U.S. Air Force employee, you can obtain a copy of the current version of PACES by contacting Mr. Wes Hammond or Mr. Mike Pryor.

