

# URS

FEDERAL



# Environmental Modeling Editor (EME™) for Rapid Database Enhancements

**The Environmental Modeling Editor's (EME™) ease of use combined with URS' powerful image generator software provides a complete solution for enhancing your training environment.**

## EME™

URS' Environmental Modeling Editor (EME™) software is the perfect solution for the rapid enhancement of X-IG™ databases, allowing the end user to simply select and place features within the training environment in minutes. EME™ is fully compatible with X-IG™, X-TUAS™, X-100™, and X-GEN™. Four editing mode are available with EME™ "Entity", "Cultural" "Waypoint" and "Stenciling" to allow the user to rapidly create additional cultural or dynamic content into the training environment.

## ENTITY MODE

In real-time, EME™ allows the user to add entities to a scene and save to API script file for use by the X-IG™ scripting engine either dynamically or at system startup. When in Entity mode the full range of mouse and dialog controls are available to the user to position and edit the model.

## CULTURAL MODE

In EME™ cultural mode, the use is allow to place a permanent model in the database that will be present anytime the X-IG™ database is started. When in Cultural mode the full

range of mouse and dialog controls are available to the user to position and edit and scale the cultural model. This mode is useful when additional scene content is desired to enhance a particular training area-of-interest.



## WAYPOINT MODE

With EME™ Waypoint Mode is the user would can create a set of waypoints for use by a entity model to follow, eliminating the need for a SAF and providing dynamic content to the training environment..



## STENCILING MODE

In real-time, EME™ will cut, stitch, and smooth the underlying terrain to allow the user to seamlessly and easily add custom or generic airfields, bomb craters to existing geo-specific terrain databases.



## INCREASED REALISM

EME™ provides the capability to achieve previously unmatched realism for navigation and orientation cues, final approaches, pattern references, and visual check points.

## REAL-TIME EDITING

EME™ provides a user friendly, real-time integrated viewer and access to several feature libraries containing various cultural models and features. Data elements are added using a drag and drop interface and can subsequently be scaled, moved, rotated and then saved to small, easily distributed data files. The addition of new terminals, airfield features, and the population of entire urban scenes has never been this easy.

## COST SAVINGS

EME™ lets you freely and continually update airfields and training areas-of-interest without incurring the high cost and lengthy delays associated with republishing training databases. EME™ was designed to meet emerging FAA/JAA standards as simulator certification dictates.

- **Rapid placement of 3D objects for population of airfields and urban areas (hundreds features in minutes)**
- **Changes to database are available for immediate use in the training environment**
- **Structures are easily scaled in height, width, and length**
- **Library of over 5000 structures, buildings, and vegetation**
- **Process to ensure 100% SAF correlation**



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