

Deccan International provides decision-support solutions for both strategic and real-time deployment planning, focusing on improved efficiency and responsiveness in fire and EMS operations. Deccan's product suite includes

**Strategic/Planning tools** - CAD Analyst and ADAM for optimal station siting and annexation analysis.

**Real-time/Operational tools** - LiveMUM for move-up recommendations, BARB for run-card building, and DiVa for real-time cross checking of AVL recommendations.

# LIVEMUM

*Live Move-Up Module*

Contact us at:

5935 cornerstone court west  
suite 230  
san diego, ca 92121

[www.deccanintl.com](http://www.deccanintl.com)

888.deccan.9  
858.764.8400



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Saving you  
time with  
instant and  
accurate  
move-up  
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## Live Move-Up Module

Your tool to improve timeliness and accuracy in move-ups

### Communication Centers!

- ▶ Do you want to avoid guesswork and delays in composing move-ups?
- ▶ Are your move-up decisions accurate?
- ▶ Are your move-up decisions optimal?

### LiveMUM is your answer!

Only Deccan International's LiveMUM (Live Move-up Module) incorporates the essential capabilities to completely remove guesswork and delays, as a result optimizing Communication Centers' real-time move-up decisions. By listening to the CAD live, LiveMUM identifies holes in coverage based on geographic area and call demand to instantaneously recommend optimal move-ups for Fire/EMS apparatus.

### Do you currently depend on move-up pre-plans?

With LiveMUM you don't have to! Departments can replace their static move-up pre-plans with LiveMUM, a powerful and robust tool that utilizes live status information from the CAD to make intelligent, split-second redeployment recommendations.

With dynamic and accurate move-up recommendations achieved with LiveMUM, departments can utilize this tool as a default standard for move-up practices, overriding any pre-existing and static move-up plans.



## Configure LiveMUM to your department

LiveMUM is configured to integrate both department-specific policies and business rules and the live status of unit changes from the CAD - all combined with a move-up algorithm to guarantee optimal coverage.

With the advantage of incorporating specific business rules, departments have the benefit of defining thresholds and time targets that reflect their operational procedures and, in turn, optimize their response performance.

## LiveMUM for real-time operations

LiveMUM is built with intrinsic capabilities to support Communication Center operations in real time. The tool provides the most current and accurate information by

- ▶ Displaying color-coded maps of live status coverage of engine, ladder, ALS, BLS, Chief, Transport and other resource types.
- ▶ Detecting and displaying holes in apparatus coverage by listening to the CAD in real time .
- ▶ Enabling users to instantly view weaknesses and strengths in coverage via easy-to-read color-coded displays.

These capabilities permit Communication Centers to make well-educated and practical move-up decisions.

## LiveMUM Wall Map

Communication Centers can take advantage of a unique feature in LiveMUM to achieve a "floor-wide" display of coverage maps of current unit statuses. Feeding live from LiveMUM (or the CAD), Wall Map has the ability to project multiple resource types (engine, ladder, ALS, BLS, Medic etc) side-by-side, allowing dispatchers, Communication Center personnel and Chiefs to view the overall coverage of service area in real time.



# LiveMUM - Your default standard for move-ups

## LiveMUM for speedy move-up decisions

LiveMUM's intuitive features and easy-to-use user interface allows for speedy execution of move-up decisions.

- ▶ LiveMUM instantly alerts the user via a pop-up window with the required move-up recommendation when there is a hole in coverage.
- ▶ LiveMUM provides for an evaluation window to test different move-up options in real time.
- ▶ LiveMUM offers before and after coverage maps to instantly compare the effects of the suggested move-up.
- ▶ LiveMUM provides the "Commit" option to directly input the performed move-up action into the CAD.

## LiveMUM and the underlying optimization model

Built on a rigorous algorithm, LiveMUM implements a three part optimization module to ensure the most efficient redeployment recommendations. LiveMUM algorithms are

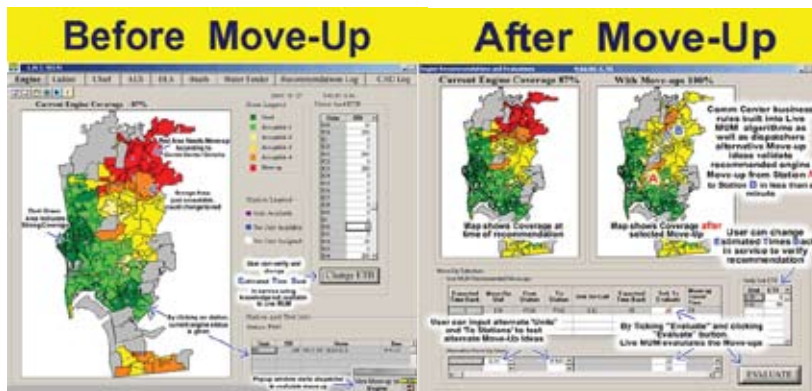
built to minimize move-ups while maintaining balanced coverage at all times.

**Step 1:** Identify coverage holes - *when are move-ups truly needed?*

**Step 2:** Identify stations/posts to move into - *minimize number of move-ups and coverage holes.*

**Step 3:** Identify which units to move-up - *ensure shortest move-ups.*

By rigorously enforcing the above steps on every decision, LiveMUM ensures the most effective and optimal move-up decisions.



## LiveMUM connects with your CAD!

Contact [sales@deccanintl.com](mailto:sales@deccanintl.com) to ask how this unique tool can work with the specific CAD in your Communications Center. Built to connect with any CAD, LiveMUM is the only tool of its kind that improves the efficiency and accuracy of your day-to-day operations! **Save time and money by setting LiveMUM as your default move-up standard.**

## Other Applications of LiveMUM

- ▶ As a training and evaluating tool for projecting move-up recommendations in the field.
- ▶ As an important region-wide interoperability tool during disasters.
- ▶ As an advanced disaster planning tool.

