



Enhanced 911 Management System

COMsolve's considerable experience in successfully managing several E911 related projects has resulted in the company identifying the need for a robust E911 Management System that enables wireless carriers to manage and maintain all 911 related information and tasks in a reliable and secure manner. As a result, COMsolve has developed and deployed an E911 Management System with several Canadian wireless operators.

The E911 Management System contains the knowledge required to manage and maintain a North American wireless operator's E911 infrastructure. It provides the following main features and capabilities:

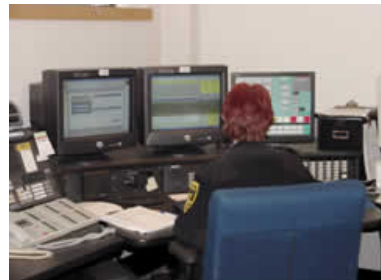
- Maintaining ESRD/ESRK pool
- Allocating ESRD/ESRKs to cell sector
- Maintaining cell sites and cell sector information
- Enabling adding/updating/deleting site information
- Supporting batch loading of cell sites information additions and updates
- Maintaining PSAP/ESN/ESZ routing tables
- Supporting PSAP routing and trunk ordering
- Generating ALI DB load files
- Generating switch datafill
- Generating test forms for field testing
- Storing test results
- Identifying the need for cell sites testing
- Providing reports





The system is deployed as a web-based application:

- It resides on a server and is accessed using a standard web browser.
- It utilizes a database for maintaining all the information.



The Benefits

- Significantly Reduces the tedious and time-consuming labour
- Eliminates the “fat-fingers syndrome”
- Simplifies E911 knowledge requirements
- Data integrity
 - ❖ Cell site information is synchronized and updated from cell site database system
 - ❖ Cell site E911 information associated to Site ID and common to all network technologies (Address, PSAP, etc.)
 - ❖ ALI files and switch datafill are generated from the same source