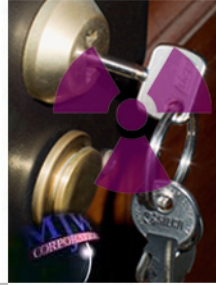


# ACS

## Access Control System



**ACS** is a state-of-the-art Windows® based system which provides a dose tracking system and personnel control for restricted area entries and exits. ACS is fully compatible and integrates with major brands of electronic dosimetry hardware with PC based readers. ACS is easy to use and administer and provides the highest possible level of control and data integrity.

*software*

*exposure records  
access control*

### Interface Design

ACS is a Windows compliant graphical program. Data entry can be via bar code scanners, numeric keypads or magnetic strip readers. ACS is capable of interfacing with all major electronic dosimeter manufacturers. A single work station can handle more than one type of electronic dosimeter because the hardware interface is modular

### Features

- Provide a user interface which is intuitive and easy to use
- Allow quick, efficient entry into and exit from radiologically controlled areas
- Verify personnel qualifications for entry into RCA
- Verify personnel qualifications to perform the work
- Program electronic dosimeters and set alarm set points
- Log entry/exit data
- Update personnel exposure history at check out
- Maintain and revise a database of the active dosimeters currently being utilized by ACS, along with calibration dates and duration
- Maintain and retrieve personnel information
- Maintain RWP's, tasks and related information, customizable to site specific requirements
- Operate on the standard Windows operating system and on industry standard networks

### Version Options

The Access Control System is available in three versions: Full networked system, ACS XPress and ACS Lite.

#### • ACSX-press:

This is a fully functional, single license version of ACS. It is designed to be installed on a single workstation or laptop, rendering it portable for such needs as on-site radiation exposure data recording for emergency responders. ACSX-press utilizes the proven MSDE (Microsoft Desktop Engine) for its back end database and interfaces with all popular electronic dosimeters, as well as barcode scanners and numeric keypads. Once configured, ACSX-press can be quickly and easily setup to collect vital personal exposure data on location.

#### • ACSLite:

A scaled down version of ACSX-press. ACSLite is a single license version that does not require electronic dosimeters for data collection. Like ACSX-press, ACSLite is installed on a single workstation or laptop and uses MSDE for its back end database. Users will log in manually and, when logging out, enter their exposure levels manually. Exposure levels may be recorded by such devices as PICs (pocket (pressurized) ion chambers).

### Operating Environment

The Access Control System is a 32-bit application, the full networked version and requires a Windows NT®, 2000 or XP operating system and a small server for proper operation. The work stations require 32 MB or more of RAM and a Pentium 133MHz processor or better is recommended. The Server requires Windows NT Server 4.0 or higher operating system, 96 MB or more of RAM, a Pentium 133MHz or better processor and a relational database system.

### Open Database Connectivity

ACS stores/retrieves all data using relational database tables. Interfacing to the database is performed utilizing ActiveX Data Objects (ADO) drivers, the universal data access solution from Microsoft, which allows ACS to utilize any of the popular relational database management systems (RDMS) available today. ACS can also be interfaced with other database applications on-site to allow sharing of data.

