DOSIDEF™

Management Software for Military Dosimetry

FEATURES

- Data collection from remote XOM readers or DOSIXOM files
- Individual dose history reconstruction
- Time stamp synchronization
- Comparison with legal alarm levels
- Remote access to the database
- Modular architecture

DESCRIPTION

Management Software for Military Dosimetry DOSIDEF is a software architecture system designed to manage in one central database the electronic dosimetry of all the exposed military personal even when deployed.

DOSIDEF is used to record in a chronological manner all the individual doses and to check the compliance with the official dose limits.

DOSIDEF | MANAGEMENT SOFTWARE FOR MILITARY DOSIMETRY

SYSTEM ARCHITECTURE

- DOSIDEF_ACQUISITION module for data collection
- DOSIDEF_ACCESS module for restricted access to the central database
- DOSIDEF_CALC module for the dose calculation and the database management
- The 3 modules can be operated separately or on the same PC

DOSIDEF_ACQUISTION MODULE

- Data collection from deployed XOM readers or DOSIXOM files
- Data transfer to the server
- Local data enrichment (mission defi nition)
- Local and UTC time management for synchronizing readers
- Local back-up
- Populate reader with pre-allocation lists

DOSIDEF_CALCULATION MODULE

- Collected data analyzed prior to integration in the database
- Rebuilds chronology, detects and solves any problem due to missing data or erroneous sequence of events
- Residual, gamma flash and neutron flash doses management
- Evaluation of the daily dose exposure and duration
- Raw and net doses calculation
- Background compensation capability
- Dose compared with the preset limit thresholds

DOSIDEF_ACCESS MODULE

- Administrative data management and display of the dosimetry for individuals, cells, units or missions
- Display all events occured on the filed (readings)
- Alarms and exceeded limits sorting
- Data enrichment capability
- XOM pre-allocation lists management
- Access to the dosimeter database for maintenance purposes
- Large choice of built-in reports

SYSTEM CONFIGURATION

- PC-based configuration for clients
- Server size depends on population
- Operates with Windows 98, 2000, XP
- Compatible with ORACLE ® and SQL_server ® databases (not included)

MIRION TECHNOLOGIES

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