

SCAFFOLDING FACTS

Bureau of Labor Statistics:

Fatal occupational injuries, 2006 & 2007 = **179 (2% of all fatalities)**.
<http://www.bls.gov/news.release/cfoi.t01.htm>

Occupational Safety and Health Administrations (OSHA):

According to OSHA over 2 million construction employees work on scaffolding on a regular basis in the USA; with about **4,500 suffering serious injuries** each year as the result of *improper scaffolding safety* precautions and employer negligence; estimated **50 fatalities** per year.

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OSHA has estimated that 65% of construction employees work on scaffolds frequently. Scaffolding accidents are typically the most serious in terms of severity of injuries, which result from defective, improperly installed, or unreasonably safe scaffold equipment.

Fatality percent by type:

- 27% - Welded frame
- 22% - 2 Point suspension
- 13% - Mobile
- 13% - Ladder Jack
- 13% - Free plank/pick
- 5% - Chimney
- 5% - Single Point

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SCAFFOLDING SAFETY INSPECTIONS

Situation

Presently, performing scaffolding safety inspections (SSI) on paper forms (see "Sample Paper Form") and submitting to a central office for storage and retrieval. The current process has a number of tasks and steps that are uncertain, unclear and cumbersome:

- visibility of inspection time & date, timeliness to response to problems
- lack of a clear audit trail
- level of thoroughness, either known or not known
- pictures files need to be handle multiple times, renaming of files, not stored with paper inspection, etc.
- large variability in quality and information collected
- no ability to run reports on overall inspections and findings without large administrative data collation
- inspections are time consuming and handled multiple times

Task / Action

Convert paper scaffolding safety inspections (SSI) into a DCAT® mobile form to be conducted on any common PDA (i.e., Microsoft Mobile™ OS, RIM Blackberry™, or Palm OS™). The development and deployment of the NOC web servers, coding of the mobile SSI application, and PDA solution is a ZERO cost. Very simple steps: provide SSI paper form for coding conversion (see "Form Code Hierarchical Structure"), and list of PDA users and client and site information lists.

Results

The DCAT Scaffolding Safety Inspection mobile forms provide seamless integration into your business processes with tremendous added functionality:

- Reduced inspection time resulting in increased productivity
- Real time data collection with higher quality data
- Centralized database / information with forms accessible anytime
- Standardized data collection & repeatability of forms / tasks
- Immediate email / fax dissemination to customers (see "Distributed PDF Report")
- Integrated pictures, voice notes, sketches and signatures
- Allows users to focus on true task – safety inspection
- Easy integration with other capabilities (barcode scanning, etc.)