

Key Findings from Research:

Title of Report and Authors:

Design of a Portable Safety Database for Construction

Alice Freund and Norman Zuckerman. CPWR Report, December 2011.

Overview:

The goal of this study was to bring together labor unions and employers in the New York City construction industry to design a portable health and safety database that can be used to keep track of personal protective equipment tests, results of medical surveillance, and safety and health training certifications. A portable database is a database that is “carried” with a worker from job to job, in the same way that their cards or paperwork would be. By making the database internet-accessible by any participating employer, contractors can rely on training and personal protection that was provided by an approved organization (such as an apprenticeship training program). They can speed the hiring process, avoid duplication of effort, and compare hearing tests from one job to the next.

Key Findings:

- Parameters of a portable health and safety database that can be accessed from a smart phone or other electronic device were designed by a hazardous materials removal union and their contractors’ association.
- With input from the union and contractors’ association, a model of the database was produced (see screen shots of the database as it would appear on a smart phone below, or go to <http://c-arts.com/review/safetycred/> and follow the brown links).
- Obstacles and incentives for creating a larger database that would include data from other unions and contractors were identified.
- Some of the important databases currently in use in New York City were identified and described.
- Some portable, shared, health and safety databases in use or in the planning stages for the construction industry outside of New York City were identified and described.

Conclusions:

- In the course of this study we learned of and described several portable health and safety databases in the construction industry that have been constructed or are in the process of being constructed. A few international unions are working on making their training and respirator data accessible to locals and ultimately to their contractors. We recommend more communication among the different unions and between the various branches in the unions (national, districts, locals, training, and health and safety) as they go forward in the hopes that they can coordinate their efforts, avoid duplication, and, perhaps, increase the ease of access for contractors.

For more information, contact the lead author:

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[Handout for Members](#)

SafetyCred *for Members*

Name: Edison Severino
Login info:
 Login ID: edisonseverino1245
 Password: secretsecret

Explanation of what the system does and how to use it

Suggestion that they bookmark the login URL (www.safetycred.org/member) and store their login information in their smartphone.

[Member Interface Screen 1](#)
www.safetycred.org/members

SafetyCred *for Members*

Login ID: _____
Password: _____
 Remember me

 Login ID format: johndoe9876
 [Can't access your account?](#)

[Submit](#)

[About SafetyCred.org for Members](#)
[Request an account](#)

[Member Interface Screen 2](#)

SafetyCred *for Members*

About SafetyCred for Members

SafetyCred is a website for Laborers Local 78 members. It allows you, your union, and your employers to check the status of your safety and health credentials and other information including trainings, licenses, respirators, and hearing tests. Documents needed by your employers can be sent by computer or smart phone.

[Request an account](#)

Member Interface Screen 3

SafetyCred for Members

Request An Account

Note: Accounts are presently available to members of Laborers Local 78. If you are not a member of Local 78, we cannot issue you an account.

Last Name: _____
First Name: _____
Member ID#: _____
Home Phone: _____
Mobile Phone: _____
E-mail: _____
Comments:

[submit](#)

[back](#)

Member Interface Screen 4

SafetyCred for Members

[logout](#)

logged in as: edisonseverino1245

*** MAIN ***

Notifications

[Credentials that expire soon](#)

[Messages](#)

[Available Jobs](#)

[View My Credentials](#)

[Send Credentials to a Contractor](#)

[Report My Work Availability](#)

[Update Account Info &](#)

[Preferences](#)

[Contact webmaster](#)

Member Interface Screen 5

SafetyCred for Members

[logout](#)

logged in as: edisonseverino1245

View My Credentials

[PictureID \[View PDF\]](#)

[Respirators](#)

[Noise](#)

[HazMat](#)

[Asbestos Licenses](#)

[Trainings](#)

Credentials - complete set:

[download](#) [e-mail](#) [print](#)

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Member Interface Screen 6

SafetyCred for Members

[logout](#)

logged in as: edisonseverino1245

View My Credentials: Respirators

Respirator Medical Evaluation

Date: 11/11/93

Cleared: Yes

Limitations/Conditions: None

[\[view PDF\]](#)

Respirator Trainings

Expires: 11/11/10

Passed: Yes

Employer: 3 D's Construction

Trng Org: Mason Tenders Fund

[\[view PDF\]](#)

Respirator Fit Test

Expires: 11/11/93

Make: MSA

Model: 6000

Size: Medium

[\[view PDF\]](#)

Respirators credential set:

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[back](#)

[logout](#)

logged in as: edisonseverino1245

View My Credentials: Noise

Audiometric Test

Date, last: 01/24/11

Next - due date: 01/24/12

[Most recent report \[view PDF\]](#)

[Previous report \[view PDF\]](#)

Noise Trainings

Job Class: Laborer

Topic: Hearing Conservation

Trng Org: University of Potsdam

[\[view PDF\]](#)

Noise credential set:

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[back](#)

[logout](#)

logged in as: edisonseverino1245

View My Credentials: HazMat

Last Medical Exam

Date: 04/20/11

Cleared: Yes

Limitations/conditions: none

[\[view PDF\]](#)

HazMat Trainings

Topic: 40 Hr Hazwoper

Date: 02/13/05

Trng Org: Mason Tenders

[\[view PDF\]](#)

Topic: 8 Hr Hazwoper refresher

Expires: 03/06/11

Trng Org: Mason Tenders

[\[view PDF\]](#)

HazMat credential set:

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View My Credentials: Asbestos Licenses

New York City Asbestos Handler

License: 43567 Exp: 03/29/11

[\[view PDF\]](#)

New York State Asbestos Handler

License: 33356 Exp: 03/29/11

[\[view PDF\]](#)

New York City Asbestos Supervisor

License: 43567 Exp: 04/01/12

[\[view PDF\]](#)

Asbestos Licenses credential set:

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[logout](#)

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View My Credentials: Trainings

Topic: 40 Hr Hazwoper
Date: 02/13/05 [\[view PDF\]](#)
Trng Org: Mason Tenders

Topic: 8 Hr Hazwoper refresher
Expires: 03/06/11 [\[view PDF\]](#)
Trng Org: Mason Tenders

Topic: OSHA 10 hour
Date: 11/20/09 [\[view PDF\]](#)
Trng Org: Mason Tenders

Topic: OSHA 10 hour refresher
Expires: 12/06/13 [\[view PDF\]](#)
Trng Org: Mason Tenders

Topic: Scaffold User
Expires: 12/05/12 [\[view PDF\]](#)
Trng Org: DLB Trinitis

Topic: Suspended Scaffold
Expires: 03/09/12 [\[view PDF\]](#)
Trng Org: DLB Trinitis

Topic: Lead
Date: 11/20/09 [\[view PDF\]](#)
Trng Org: Mason Tenders

Topic: MTA Track Safety
Expires: 05/22/12 [\[view PDF\]](#)
Org: MTA

Topic: TWIC
Date: 11/20/09 [\[view PDF\]](#)
Trng Org: Mason Tenders

Trainings credential set:
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Send Credentials to a Contractor

Note: For contractor representatives with registered SafetyCred accounts only.

Select recipient:

↓ Select by company name

↓ Select by representative name

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Sending Credentials to:

Organization: XYZ Constructors, Inc
Rep: Carlos Chavez

[Send all credentials](#)

Select categories to send:

- Picture ID
- Respirators
- Noise
- HazMat
- Asbestos Licenses
- Trainings

[Send selected categories](#)

[back](#)

Member Interface Screen 13

SafetyCred for Members [logout](#)

logged in as: edisonseverino1245

Credentials expiring soon

In the next 4 months, the following credentials will be expiring:

Topic: 8 Hr Hazwoper refresher
Expires: 12/06/11 [\[view PDF\]](#)

Topic: Suspended Scaffold
Expires: 01/09/12 [\[view PDF\]](#)

Topic: MTA Track Safety
Expires: 01/22/12 [\[view PDF\]](#)

Member Interface Screen 14

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Messages

From	Date Sent	
-----	-----	
SafetyCred Admin	10-27-11	view
XYZ Co - Brian B. Blain	10-28-11	view

Member Interface Screen 15

SafetyCred for Members [logout](#)

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Available Jobs

Based on your credentials, you are qualified for the following job listings:

<u>Company & Location</u>	<u>Dates</u>	
XYZ Company	12-01-11	view
123 Oak Street, NYC	12-10-11	detail
QRS Company	12-01-11	view
987 2nd Ave, Hoboken	12-10-11	detail
EFG Company	12-01-11	view
56 Main St, NYC	12-10-11	detail

[back](#)

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Report my work availability

Beginning Date: / /

Ending Date: / /

Comments:

[Submit](#)

[back](#)