



**From:** "John Bewick" <cmi@channel1.com>  
**To:** "Richard Meserve" <chairman@nrc.gov>  
**Date:** Wed, Mar 27, 2002 5:09 PM  
**Subject:** Web Prototype of Source Diversion Tracking Tool for Low Level Sources

Dear Mr. Chairman:

I have sent several emails to you regarding the potential problem of diversion of low level radioactive sources in the post 9/11 world.

We have developed a web prototype of a tool for verifying that licensed sources are accounted for. Emails could be sent periodically [daily, weekly, monthly, etc.] to licensees to ask for verification that the sources are accounted for with the capability of the respondents sending back the request with a very simple check-off. In principle the NRC would collect timely information on the status of all sources which would allow the US to take prompt action if a source were diverted. The Internet allows collection of huge amounts of data quickly and inexpensively in ways that were not possible a few years ago.

Attached is a brief description of the tool. We would be interested in demonstrating the tool to the NRC and discussing its possible application with the appropriate staff.

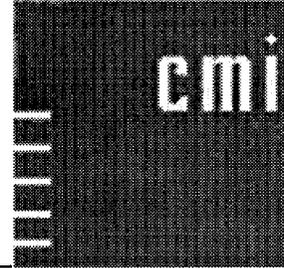
Sincerely,

Dr. John A. Bewick  
President,  
Compliance Management Inc.  
165 Beal St.  
Hingham, MA 02043  
781-740-1117

## CMI Systems

# TrackIt

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### Product Highlights

*A comprehensive database backed, interactive data gathering system, CMI TrackIt lets you quickly and easily capture and analyze information captured with interactive questionnaires.*

\$2.50 per questionnaire. With TrackIt, this can be reduced to a fraction of the cost.

CMI TrackIt offers a complete solution for rapid data gathering and analysis.

CMI TrackIt is a 21<sup>st</sup> century solution to an age old problem – how do you gather the information you need without resorting to phone calls or paper mailings? And, when it's a real crisis, when you need to gather data FAST, what do you do? Enter CMI TrackIt, a next generation Internet solution for rapid data capture.

TrackIt is an email based, Internet centric solution to capture data fast! TrackIt generates interactive email messages to anyone you need data from. Recipients see a simple web form arrive in their Inbox that they just respond to – like any email message. No phone calls, no paper, no postage. Data is automatically available as each person answers with whatever level of report or analysis is needed.

Beyond the obvious increases in speed and accuracy, CMI TrackIt, by the elimination of paper offers obvious and immediate cost savings. Our analysis shows that for most organizations to send out a single questionnaire, process it and record the data is in excess of \$1.50 to

Compliance Management Inc., 165 Beal Street,  
Hingham, MA 02043  
Tel: 781-740-1117, Fax: 781-740-2227, Email:  
cmi@channel1.com

## Capture the Exact Data You Need

CMI TrackIt is based around an interactive form designer that lets you design what's needed.

## Industry Standards Compliant

TrackIt generates industry standard HTML email compliant with virtually any modern email system and web browser.

## Database Backed for Your Secure Information

With TrackIt, we realize how important your information is and we've designed our system to recognize this. Every bit of data we capture is database backed for this reason.

## CMI. We're here to help you solve your problem.

Capturing important, even mission critical data isn't easy. While TrackIt can generate literally thousands of email based questions, what happens when 50 or 100 of those don't come back? Our comprehensive services staff can use multiple contact methods to capture the right data. For example, we can contact people by follow up email address, phone call or even personal visit if the data is important enough. Don't have email addresses for your contacts? We can help you get them.

## More Information...

Feel free to contact us for more information about your particular needs. Depending on your business, capturing information is a mission critical problem and we're here to help.

## Product Highlights

CLIENT ENVIRONMENT	
For Developer	Any modern web browser (i.e. IE 4 or Netscape 4).
For Recipient	Any HTML compatible email package and web browser (essentially 100% of the computing universe).
SERVER HARDWARE	
Operating System	CMI TrackIt is available for most flavors of Linux.
Web Server	Apache
Application Language	PHP and Perl (both included standard with all versions of Linux, Unix or free for Microsoft NT).
Database	Out of the box, TrackIt works with the industry standard MySQL database. Connectivity to other databases available separately.
Email Server	TrackIt can use an existing SMTP server or use its own high speed, high volume SMTP send agent. It can also make use of your own email server if desired.

<b>Other Platforms / Databases / Web Servers</b>	For a porting fee, CMI can make TrackIt available for other platforms as necessary.
<b>Integrated Form Designer</b>	Solve all your business analysis needs with integrated OLAP and Data Mining capabilities.
<b>Data Capture Options</b>	Capture data with any of the following question types: <ul style="list-style-type: none"> <li><input type="checkbox"/> Yes / No</li> <li><input type="checkbox"/> Three of Five or One of Four, etc (i.e. check boxes to select multiple options)</li> <li><input type="checkbox"/> Type in the blank (with custom validation)</li> <li><input type="checkbox"/> Select from this list</li> <li><input type="checkbox"/> Descriptive text. For complex questions, recipients can be required to fill in a descriptive answer.</li> </ul>
<b>Formatting</b>	Formatting options include: <ul style="list-style-type: none"> <li><input type="checkbox"/> Text Before</li> <li><input type="checkbox"/> Text Of</li> <li><input type="checkbox"/> Text After</li> <li><input type="checkbox"/> Embedded Images such as a "Graphical Alert" logo</li> <li><input type="checkbox"/> Colors</li> <li><input type="checkbox"/> Justification (left, right, center)</li> <li><input type="checkbox"/> Background Image</li> </ul>
<b>Other</b>	Full support for embedded HTML to extend the system and offer additional formatting options.
<b>Response</b>	Auto-tuning and auto-maintenance features enable administrators to focus on other critical tasks.
<b>No Response</b>	To pinpoint where follow up is needed, with every analysis, TrackIt reports who didn't respond and lets you drill down to that recipient's specific data and contract information.
<b>Opened but No Response</b>	By utilizing advanced Internet measurement techniques, TrackIt can even determine if a recipient received your question and opened it but did not answer.
<b>Duplication Handling</b>	To avoid duplicate responses, the system can be configured to accept only the first response or only the last response. Additionally the user's date and time of response, IP address and browser statistics are automatically captured in case more sophisticated duplicate analysis is required.
<b>Reporting</b>	Full reporting features let you slice the data as needed. Export to another data analysis package as needed.
<b>Reporting</b>	Full reporting on returned mail.
<b>Retry Support</b>	Full support for a configurable N level of retries definable on a custom basis.
<b>Automatic Fail Over</b>	If the first contact email address on file fails, the system can automatically shift to a backup address or notify an administrator.
<b>Intelligent Analysis</b>	Automatic network probing attempts to resolve if a destination site has gone offline to indicate the need for a phone rather than Internet based follow up.

**A Sample Data Gathering Instrument Created with CMI TrackIt is Shown Below:**

**IMPORTANT: Accounting for NRC Materials - Message (HTML)**

File Edit View Insert Format Tools Actions Help

Reply Reply to All Forward Print X Analyze Reclassify Notify \*Debug\*

From: Ted Jones [survey@cmi.com] Sent: Sat 3/23/2002 6:45 PM  
To: beta@fuzzygroup.com  
Cc:  
Subject: IMPORTANT: Accounting for NRC Materials



Answer Required By Law

**Is the material licensed to you by the NRC accounted for? Please select Yes/No.**

Yes it is accounted for correctly.  
 No its not accounted for.

Thank you for taking this. Please respond by 5:00 today.

[Click Here to Answer](#)

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