



# Implementing UID and Error Proof into the ATA Spec 2000 market.

Second Quarter 2007  
www.freedomcorp.com



Second quarter 2007 brought business opportunities to the table for Freedom Technologies. "Expanding our presence in the aerospace field is one of our key objectives" said Rick Scorey, President of Freedom Technologies.

The airlines have been onboard with serialized individual identification before the government through the use of ATA Spec 2000 markings. UID/ATA Spec means the ease of traceability, part availability, composition, supply chain collaboration, authentication of parts, and part identification. Businesses can place the code directly on the part where it can easily be identified with the proper scanning device and viewed globally.

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## EP News

**Thank you to our recent new customers, by choosing the Error Proof® Total Solution. You have our entire team behind you to achieve your error proofing goals and strategies.**

<b>International Truck</b>	UID/Military
<b>Chrysler Engine Plant (GEMA)</b>	Automotive
<b>US Navy Louisville, KY</b>	UID/Military
<b>Sanden International</b>	Automotive
<b>US Marine Corps</b>	UID/Military

### Freedom Technologies www.freedomcorp.com Corporate

10370 Citation Dr. Suite 200  
Brighton, MI 48116  
Phone: 810.227.3737  
Fax: 810.227.3909

#### Traverse City office

1020 Hastings Street  
Traverse City, MI 49686  
Phone: 231.947.4544  
Fax: 231.941.4076

#### California office

4714 Edinburgh Dr.  
Carlsbad, CA 92010  
Phone: 760.434.0716  
Fax: 760.434.0716

#### Grand Rapids office

1864 Junewood Ct.  
Lowell, MI 49331  
Phone: 810.623.3891  
Fax: 810.227.3909

#### Toronto, Ontario office

Toll Free 866.677.9403  
Toll Free Fax 866.677.9017

### Sales Contacts

<b>Military:</b>	John Piatek (231) 947-4544 Shawn Baker (810) 227-3737 *271
<b>Medical &amp; Automotive:</b>	Bill Herington (810) 227-3737 *248
<b>Error Proof®:</b>	Paul Whitaker (705) 277-9403
<b>QAD:</b>	Shirley Schmidt (810) 623-3891
<b>Aerospace:</b>	Louis Piper (760) 434-0716

## International Truck chooses Freedom for UID part tracking solution.

International Truck, a multi billion dollar manufacturer of large trucks to the military and other industries, has awarded Freedom Technologies Corporation a contract to provide our Turn-Key Integrated Solution® which includes hardware and Freedom's Error Proof® UID compliance software. International Truck has been chosen by the DoD as one of the suppliers of critical Mine Resistant Ambush Protected (MRAP) vehicles for our troops in Iraq. The MRAP vehicles have a V-hull and are designed to survive IED attacks, thus being the military's vehicle of choice to replace the up-armored HMMWV's. Because of Freedom Technologies experience and proven track record in UID solutions with our previous MRAP customer, ability to make changes at a responsive rate, and our flexible schedule, International Truck found us to be superior to the competition. To benefit our customers we structure our product in a way that facilitates making fast and accurate changes by holding true to our critical demands.

"The MRAP should be considered the highest priority Department of Defense acquisition program.... I would like to know what funding, material, program, legal or other limits currently constrains the program and options available to overcome them." said Secretary of Defense, Robert Gates.





## Freedom Technologies is U.S. General Services Administration (GSA) Certified

Freedom Technologies Corporation, is proud to announce that we have received our U.S. General Services Administration (GSA) contract. Government Agencies are now able to use Freedom's GSA contract vehicle to quickly obtain services at discounted rates. It also allows them to buy direct from Freedom Technologies at significant discounts without obtaining competitive bids. Freedom was also added to GSA's electronic ordering system known as GSA Advantage!, a menu-driven database system that provides on-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic order.

GSA provides services and solutions for operations of more than one million federal workers. Some of these services awarded include:

- Schedules
- Technology Contracts
- Global Supply
- GSA Acquisition Solutions
- Government Charge Cards
- Federal Business Opportunities
- Internet Invoicing
- IT Solutions
- Quote and Proposal Requests
- GWACs (Government Wide Acquisition Contracts)



## Freedom Develops Complete Turn-Key UID Legacy System, for under \$23,000.

The Dept of Defense has mandated that inventory items over \$5000 in value be permanently marked with a UID 2D code (Data Matrix). This is a daunting task encompassing millions of parts across the globe. Freedom Technologies has used their 15 years experience to produce an easy to implement and use "Legacy Kit" that includes all the hardware and software to facilitate this requirement across the military and other government agencies. This kit includes: Zebra 110 xiii printer, Freedom UID Legacy Software, Brand New Cognex Dataman 7500v Handheld Verification System, Motorola Handheld Mobile Computers with Freedom UID Legacy Solutions Software and Optional Configurations such as UID Marking Options and UID Reading Options.

The DoD asked us to design and implement one of the first mobile UID Legacy systems that will mark, verify, validate and submit to the registry at the Anniston Army Base in Alabama. The Freedom Legacy UID Solution™ software was designed by Freedom under the direction of the US Military to create a fast and easy way to collect UID data by reading UID labels or marks and combining it with other information right on the handheld for submission to the UID Registry. "Now they have a system that is low cost, easy to use and designed around their process" states John Piatek, Vice President of Freedom Technologies.

Whether your property is on the ground, in the air, at sea or somewhere in between, the DoD Legacy Marking requirement will affect how your existing property moves forward through its' lifecycle. Freedom Technologies, the leader in Turn-Key Integrated UID Solutions®, provides you with this cost effective way to do just that.

## We have expanded: Two new offices in the US

Freedom Technologies is excited about our new offices that have opened in Grand Rapids, Michigan and Carlsbad, California. In Grand Rapids, we specialize in QAD where Error Proof® is implemented into many different markets and companies in the surrounding areas.

In California, we specialize in the military and aerospace field. We contract with many Navy, Airline and Military companies that require Turn-Key Integrated Solutions®.

We look forward to helping many of our customers and prospects in all areas of our business to succeed and grow with the help of Freedom.



## Medical Error Proofing takes a step forward with MEDEPS<sup>®</sup>.

**Cryo-preservation tank mapping offers control and automation.**



Hospitals, clinics and laboratories are quick to take notice of the benefits MEDEPS<sup>®</sup> has to offer their facility. Facilities utilizing cryopreservation tanks are the latest to adopt the MEDEPS<sup>®</sup> Medical Error Proofing technology of cryopreservation tank mapping. Through mapping of the specimen tank inventory, facilities have the traceability,

validation and accountability they need to ensure reduced risk of error. Additionally, MEDEPS<sup>®</sup> facilitates accounting systems by generating automated billing updates of the specimen's location in the tank and sending it to the facility's accounting system. To support this initiative, Freedom Technologies has been steadily moving forward with outgrowths to cord blood, blood, bone marrow, stem cell research and transplant technology. Hospitals, labs and clinics had the opportunity to see the technology MEDEPS<sup>®</sup> has to offer at the Laboratory Products Show held in conjunction with Roswell Park Cancer Institute in Buffalo, NY on May 24th. The show was a very positive experience for Freedom Technologies and MEDEPS<sup>®</sup> was very well received. Future plans include additional industry events such as the ASRM Annual Meeting this fall.

## Freedom Technologies has been involved in fourteen shows since the beginning of March!

Freedom has been very busy with the shows and conferences we have attended already this year. We have been fortunate to have attended fourteen shows this year with a great turn out for each one of them. We have implemented a variety of equipment and machinery including materials from CMT, Motorola, Cognex, Zebra, Direct Logic, Electromatic, Siemens, Microscan and RMI to visually explain our position as the leader in Turn-Key Solutions<sup>®</sup>.

## Positive results from the QAD Explore Show

Freedom Technologies continues to lead the industry on the shop floor with the knowledge and ability to succeed at a rapid pace. Explore attendees were excited to learn that Freedom Technologies, in addition to providing accurate and timely data collection, currently offer interfaces to PLC's, CNC's, Vision Systems, Color Sensors and 'birthmark' traceability. Freedom's booth displayed at the Explore Show was well received by our customers. The Andon board, interfaced to our demo production monitoring equipment, showcased how our current offerings surpass our competitors in the Error Proof industry. "Other companies claim capabilities by saying they 'can do' but at Freedom we 'are doing'; by demonstrating our products and succeeding through our customers extensive use of Error Proof<sup>®</sup> in their everyday business," commented Rick Scorey, President of Freedom Technologies.



## EP Upcoming Events

Visit Freedom Technologies at these upcoming trade events:

**August 21-22**

- AIAG Auto Tech  
Novi, MI



**August 21-22**

- DoD Depot Focused AIT Forum  
St. Louis, MO

**September 12-13**

- UID Forum  
Atlanta, GA



**September 19**

- Error Proof<sup>®</sup> Seminar  
Toronto, Ontario

**September 23-25**

- MMUG Meeting  
Dearborn, MI

**September 25-27**

- Quality Show  
Chicago, IL



**September 28**

- Error Proof<sup>®</sup> Seminar  
Novi, MI

**October 13-17**

- ASRM  
Washington, DC





## EP Tech Tips

**Send Embedded Items to Registry:** Freedom Technologies' Turn-Key Integrated® UID Validation module will enable you to send XML directly to the government, which will include not only the first level of the Parent Child (which is only what WAWF sends) but also all the embedded items automatically. This will allow you to be compensated more quickly.

### UID Validation:

The information under the Validation tab tells the application how to validate barcode scans. The scans validation area shows what fields are required in the barcode for the different formats, e.g. the record selected below is for the 05 format and would require the 95 field, 8002 field and the 240 field to be in the barcode. If the barcode matched any of the lines in the Scan Validation then the barcode would be accepted as a valid barcode.



The XML Schema Definition section displays the location of the .xsd file that the application uses to validate whether or not the data and format generated in the XML file meets the requirement for the submission to the UID Registry.



### Export DEF:

The XML Output Definition shows the directory where the XML file will be created.



### Do Export:

The Do Export tab enables the export of any of the scanned data that has not already been exported to a file. This section offers two export file formats: XML or Text.

## Contact Us

**Freedom Technologies**  
10370 Citation Dr.  
Suite 200  
Brighton, MI 48116

**Phone:** (810) 227-3737  
**Fax:** (810) 227-3909

[www.freedomcorp.com](http://www.freedomcorp.com)

Each export type offers the option to Export End Item Scans and/or Export Embedded Item scans. Once an option is selected, the number of items that will be exported automatically populates in the Scans to the Exported field. To export the scans to file, click the Export XML or Export Text button.



## Implementing UID and Error Proof into the ATA Spec 2000 market

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Freedom Technologies has incorporated ATA Spec 2000 into their validation mobile software programs, on DPM readers. We are the only provider of both Commercial (ATA Spec 2000) and Military (UID) in the world that can provide a more efficient business environment.

A desire for a "smart barcode" is essential within ATA. However, a "smart code" must also withstand years of service (a simple 1D barcode may only last up to 6 months). Therefore, to protect from a 1D Barcode failure the industry is adopting a data matrix code that may be affixed, or is direct part marked (DPM).

The data matrix code has been adopted by the DoD and ATA for mission/operational

critical, expensive, or safety related parts. This use by the DoD and ATA gives us a mutual tool for understanding more than a part number. We now can have full trace of the birth and life history of a selected component. With a data matrix code we gather intelligence and protect against a miss-read, data entry error, code failure, fraudulent part, and/or duplicates at a line station or hub, all the while assuring a readable code for years.

Having said this, Freedom Technologies provides the only solution to fully trace a part using 1D (legacy codes) and new data matrix codes to assure data accuracy and ease of input. Scanners and imagers assist in data entry accuracy, and when combined with

our powerful Error Proof® applications, airlines and logistic organizations can gain the assurance that the right mechanic installed the right part and easily keep track of the part on the airplane. We have also brought RFID into the industry to track parts in transit to/from the aircraft, better manage their support contracts and reduce operating and inventory costs.



MFR= Manufacturer's Enterprise ID  
SER= Serial Number unique with CAGE code  
PNR= Manufacture's Part Number