

High Tech AID Courier

www.hightechaid.com

Subscribe Now

April 2008

From the editor's desk!

Welcome to the latest issue of the High Tech AID Courier.

I am putting the finishing touches to this newsletter as I sit on a plane bound for the RFID Journal Live show in Las Vegas. The last time I was in Vegas was a for a small RFID conference on "RFID and Healthcare". At this year's Journal Live show, I expect to see many vendors showcasing applications that can be used in the healthcare market as well as many other markets.



Steve Halliday

The show looks like being an interesting chance to catch up on the technology and I will give a summary of the show floor in the next issue.

Are you interested in sponsoring the newsletter? Drop me a note to editor@hightechaid.com and let me know.

Providing this newsletter is just a part of what we have to offer here at High Tech Aid. When your problem needs have you overwhelmed, then you need to get help and that is why we are here. We specialize in education, but the spectrum of services is much greater than that. Call or email us for more information. Visit the web site www.hightechaid.com for more information on basic technology details as well as many other things.

E-mail me at editor@hightechaid.com and tell us what you think. Don't forget to send this issue to your friends so that they can sign up for their own issue of the free newsletter at www.hightechaid.com. If you have news to share or info you need, let me know at news@hightechaid.com.

Technology News Briefs

RFID Standards

Sponsored by:



Sponsor the newsletter
now - email
news@hightechaid.com

Press Releases

A regular feature of HighTechAID Courier will be a review of interesting press releases from around the world. Please send your press releases to news@hightechaid.com, but do not forget to include a URL to the full release on your web site. Here are this month's selections:

Magellan Technology announces strategic RFID agreements with CES and DSI

A month of interesting standards work has shown that we are still seeing a lot of change in the standards world. This means that the technology is far from standing still. A meeting in Europe of the ISO group working on air interface standards (ISO/IEC 18000 series) highlighted a lot of development. The major part of the work was on a review of the new changes to the part 6 (UHF) document. This standard includes the ISO equivalent of the EPCglobal™ Gen 2 standard (as Type C).

The ISO group has been hard at work to take the standard to a new level with the introduction of support for sensors and battery assisted passive technology. The goal is to remain completely compatible with the current Gen 2 while adding new layers of functionality. This new work will be wrapped into a new draft of the document and sent for FCD ballot. For details on the ISO ballot stages see http://www.hightechaid.com/standards/how_does_iso_work.htm. This ballot should start by July 1, 2008 which means that the comments to the document will be reviewed in November.

Other work at these meetings included approval of new drafts for CD ballot for parts 2 (low frequency) and 7 (433 MHz active). Both documents contain new improvements to the currently published standards. Finally in the air interface work group an ad-hoc was established to create a new draft of part 3 (HF) to include a new Mode (3) which will be the equivalent of the new EPCglobal™ HF standard. This will be ready for CD ballot by August.

Other meetings that took place during this week of ISO meetings included work on the various RFID and RTLS conformance and performance standards as well as the first meeting of a new workgroup looking at Mobile Item Identification.

If you want more information on ISO standardization or on any issue of RFID standardization, then email steve@hightechaid.com.

Radio Frequency Identification

How they hacked it:

The MiFare RFID crack explained

http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=9069558&source=NLT_AM&nid=1
http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=9068644&intsrc=news_ts_head

RFID tech turned into spy chips

For clandestine surveillance

http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=9070358&source=NLT_AM&nid=1

CES to manufacture and DSI to provide enterprise integration for Magellan's unique PJM StackTag® RFID technology to meet growing North American demand

Sydney, Australia – Thursday, March 27, 2008

Magellan Technology, a technology developer, manufacturer, and licensor of advanced read and write 13.56MHz RFID systems, today announced agreements with two U.S. companies to meet the growing demand for its unique Phase Jitter Modulation (PJM) StackTag® RFID technology in North America. The agreements are with manufacturer Creative Electronics and Software Inc. (CES), and data collection solution provider Data Systems International, Inc. (DSI). http://www.magellan-rfid.com/pages/frms/news/ces_dsi.html

Hi-G-Tek and NTC Design Wireless RFID Cargo Security System for Customs

RFID Technology Keeps Track

Of School Bus Riders

<http://securitysolutions.com/news/rfid-school-buses-0325/>

Avery Dennison Sues

Over RFID Patents

<http://www.labusinessjournal.com/article.asp?aID=75079279.5616466.1605877.25944603.0676139.150&aID2=123520>
<http://masshightech.bizjournals.com/masshightech/stories/2008/04/07/daily39.html>

Lockheed Martin Uses RFID

To Help Track Stealth Fighter

<http://www.rfidupdate.com/articles/index.php?id=1572>

Impinj Adds Industry Veterans

To Sales and Marketing Team

http://www.foxbusiness.com/article/impinj-adds-industry-veterans-sales-marketing-team_544742_1.html

Every move you make

Tracked by RFID tags

<http://blogs.zdnet.com/emergingtech/?p=883&tag=nl.rSINGLE>

Lost your luggage?

RFID tags could help

http://www.news.com/8301-10784_3-9913535-7.html

As RFID Market Matures

Expect Vendor Consolidation, Baird Analysts Say

http://www.scdigest.com/assets/On_Target/08-04-08-3.php?cid=1602

RFID 2007

Who Did What in the Past Year

<http://www.scdigest.com/assets/FirstThoughts/08-02-15.php?cid=1488&ctype=content>

RFID keeps tabs on Vegas bartenders

And soon could track you too

<http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=9076418&pageNumber=1>

Airbus Selects IBM and OATSystems

Control Agency of Kazakhstan

Solution delivers real-time visibility across Kazakhstan's 4000-mile trade lane

Rockville, MD. -- April 08, 2008 -- Hi-G-Tek, a leading developer of RFID sensing and control solutions for tracking high-value cargo and sensitive materials, provided its technology platform to Kazakhstani-based systems integrator, Science Technical Center (NTC), to implement a cargo monitoring system for the Customs Control Agency (CCA) of Kazakhstan.

http://www.hiqtek.com/index.php?option=com_content&task=view&id=106&Itemid=54

Sirit Introduces New High Frequency RFID Reader Module

Infinity 110 supports most comprehensive set of HF protocols in industry

TORONTO, April 8 /CNW/ - Sirit Inc. ("Sirit") (TSX: SI), a leading provider of radio frequency identification ("RFID") technology, today announces the

For RFID-enabled Manufacturing Initiative

<http://money.cnn.com/news/newsfeeds/articles/marketwire/0385427.htm>
<http://www.industryweek.com/ReadArticle.aspx?ArticleID=16093>
<http://masshightech.bizjournals.com/masshightech/stories/2008/04/07/daily39.html>

German Study Shows Companies Dissatisfied

With RFID's Ability to Meet Goals

<http://www.rfidjournal.com/article/articleview/4011/1/1/>

UHF Vs. HF RFID:

New Insight On The Old Debate

<http://www.retailsolutionsonline.com/content/news/article.asp?DocID={BF827A1E-0299-4E4C-9C58-3C98444FEA0B}&Bucket=Supplier+News>

CISC extends its RFID simulation platform

Supporting EPCglobal HF AI standard

http://www.morefid.com/details.php?subdetail=Report&action=details&report_id=4360&display=RFID

ID cards scrapped

In favour of RFID implants for infants

<http://www.computerweekly.com/Articles/2008/04/01/230071/id-cards-scrapped-in-favour-of-rfid-implants-for-infants.htm>

RFID climbs to top

Of CIOs' wishlists

<http://www.computerweekly.com/blogs/RFID-blog/2008/03/rfid-climbs-to-top-of-cios-wis.html>

Raflatac marks 100 million

RFID inlays delivered into tickets

http://labelandnarrowweb.com/news/2008/03/18/raflatac_marks_100_million_rfid_inlays_delivered_into_tickets

Wal-Mart's slow-going

RFID initiative

http://www.informationweek.com/news/personal_tech/showArticle.jhtml;jsessionid=W1GQAZYNLISOVSQSNLDOSKHSCJUNN2JVN?articleID=205900237&requestid=944475

Biometrics

Biometrics lack security

launch of its INfinity 110 ("IN110") high frequency ("HF") reader module designed for embedded RFID applications. This new offering leverages Sirit's long history of supplying HF embedded reader solutions by supporting more tag protocols than competitive products in a compact footprint.

http://www.sirit.com/event_releases-e-info.php?id_news=87

European Commission backs International Collaboration Initiative on RFID standardisation for 'The Internet of Things'

March 3rd 2008 - A key group of international partners representing Europe, the USA, China, Japan and Korea have joined a strategic EU funded 7th Framework initiative that will look at global standards, regulatory and other issues concerning RFID and its role in realising an "Internet of Things." www.RFIDGlobal.eu

NFC Forum Announces

Hinder the growth of RFID

<http://www.computing.co.uk/computing/news/2143738/privacy-fears-hinder-growth>

N.H. House votes

To require labels on goods with RFID chips

http://www.boston.com/news/local/new_hampshire/articles/2008/03/18/nh_house_votes_to_require_labels_on_goods_with_rfid_chips/?rss_id=Boston.com+--+New+Hampshire+news

Wireless

STMicro and NXP

To merge wireless chip units

http://www.ft.com/cms/s/0/7b540286-072b-11dd-b41e-0000779fd2ac.html?nclink_check=1
<http://www.electronicweekly.com/Articles/2008/04/10/43502/s-t-acquires-slice-of-nxps-wireless-chip-business-in-jv.htm>

Homeland Security

DHS budget

Includes funds for biometric and ID projects

<http://www.cr80news.com/library/2008/04/07/dhs-budget-includes-funds-for-biometric-and-id-projects/>

DHS Starts Gathering 10 Fingerprints

From International Visitors at New York's JFK

<http://www.visapro.com/Immigration-News/?a=831&z=22>

Lockheed Secures Contract

To Expand Biometric Database

http://www.washingtonpost.com/wp-dyn/content/article/2008/02/12/AR2008021202777.html?nav=rss_technology/techpolicy

[-info.php?id_news=85](#)

Sirit's INfinity 510 RFID Reader Receives China Certification

Worldwide compatibility increases to 18 countries for top-performing reader

TORONTO, April 1 /CNW/ - Sirit Inc. ("Sirit") (TSX: SI), a leading provider of radio frequency identification ("RFID") technology, today announced that its industry leading INfinity 510 UHF reader ("IN510") has been certified to operate under China's latest radio regulations. http://www.sirit.com/event_releases-info.php?id_news=86

New EPCglobal™ HF Air Interface standard

CISC extends its RFID simulation platform supporting EPCglobal™ HF AI standard

Klagenfurt (Austria), 31.03.2008. CISC Semiconductor - a design and consulting company for industries which develop microelectronic systems - is

extending its simulation library platform to support product vendors and system integrators in design and evaluation of RFID products and systems based on the new EPCglobal™ HF AI protocol.

http://www.cisc.at/documents/News/Press_Release_HF_AI_EPCglobal_standard.pdf

Sirit and 3M Sign Cooperative Marketing Agreement

Targeting global transportation markets including Electronic Vehicle Registration (EVR) and Electronic Tolling

TORONTO, March 25 /CNW/ - Sirit Inc. ("Sirit") (TSX: SI), a leading provider of radio frequency identification ("RFID") technology, announced it has signed a cooperative marketing agreement ("CMA") with 3M's Traffic Safety Systems Division.

http://www.sirit.com/event_releases-info.php?id_news=83

Sirit Reports Second Consecutive Record Revenue Year in 2007

TORONTO, March 18 /CNW/ - Sirit Inc. ("Sirit") (TSX: SI), a leading provider of radio frequency identification ("RFID") technology, reports its financial results for the fourth quarter and year ended December 31, 2007. All amounts are stated in Canadian Dollars unless otherwise noted.

http://www.sirit.com/event_releases-info.php?id_news=82

Impinj Introduces Monza™ 3 RFID Tag Chips with Industry-Leading Performance

Newest UHF Gen 2 Chip Offering Improves Data Accuracy and Enables New Applications

SEATTLE, Wash., March 27, 2008 – Leading UHF Gen 2 radio frequency identification (RFID) solutions provider Impinj, Inc. today unveiled Monza™ 3 tag chips with high-performance tag read and write reliability optimized for successful enterprise-wide RFID deployments.

<http://www.impinj.com/news-events/release.aspx?id=2093>

**GOLIATH
Solutions Secures
\$27 Million in
Funding from
Cordjia and The
Walnut Group**

*Accelerates Rollout
of Revolutionary
Marketing
Intelligence Solution
for \$17 Billion In-
Store Advertising
and Merchandising
Industry*

Deerfield, Ill., March 27, 2008—GOLIATH Solutions, LLC, a privately-held marketing intelligence company that has developed a proprietary and proven solution to maximize retailer returns from in-store advertising and merchandising, announced today that it has completed a \$27 million financing led by two private equity firms: Cordjia and The Walnut Group.

<http://www.goliathsolutions.com/pdfs/3-26-08%20GOLIATH%20Release-Financing.pdf>

**AWID Expands
RFID Patent
License from
Intermec.**

EVERETT, Wash.--
(BUSINESS WIRE)--
April 8, 2008--
Intermec, Inc.

(NYSE:IN) today announced that Applied Wireless Identifications Group, Inc. (AWID) has expanded its license under Intermec's RFID patents.

http://www.intermec.com/about_us/newsroom/pr_detail.aspx?c=107429&p=irol-newsArticle&ID=1127084&highlight=

Intermec Grants RFID Patent Licenses to Intellex

EVERETT, Wash.-- (BUSINESS WIRE)-- April 8, 2008-- Intermec, Inc. (NYSE:IN), the leader in automated data capture technologies, today announced that it has given a running royalty license under its RFID patents to Intellex Corporation, a leader in RFID products and solutions with extended range, reliability, memory, and security.

http://www.intermec.com/about_us/newsroom/pr_detail.aspx?c=107429&p=irol-newsArticle&ID=1127026&highlight=

PowerID Introduces First EPCglobal Class 1, Generation 2 Battery-Assisted,

Passive (BAP) RFID Labels

*New Labels Combine
BAP Performance
with Support of Gen
2 Reader
Infrastructure*

Petah Tikva, Israel –
April 10, 2008 –
PowerID Ltd., the
industry leader in
battery-assisted,
passive (BAP) RFID
technology,
announced today the
general availability
of its BAP label
product line utilizing
the EPCglobal Class
1, Generation 2 air
protocol.

<http://www.powerid.com/Newsroom/Content.aspx?id=223>

Hitachi Mu-chip Radio Frequency Identification (RFID) Technology Compatible with Gamma Sterilization

*Tests reveal Hitachi
Mu-chip RFID inlets
can withstand at
least 500 kilogray
(kGy) gamma ray
exposure with no
additional protective
encapsulation. Test
results white paper
available now*

INTERPHEX2008
BRISBANE, Calif.--
(BUSINESS WIRE)--
Hitachi America, Ltd.
in conjunction with a

leading provider of gamma sterilization isotope and equipment, revealed Hitachi's Mu-chip RFID (radio frequency identification) tag technology can survive at least 500 kilogray (kGy) of gamma energy exposure.

http://www.businesswire.com/portalsite/google/?ndmViewId=n_ews_view&newsId=20080325005361&newsLang=en

**Time Domain
Names Paul
Reitmeier Chief
Executive**

*Siemens Veteran
Brings 30 Years of
Proven Leadership
and Management
Experience within
the High Technology
and Services
Business Sectors*

HUNTSVILLE, Ala.,
March 17
/PRNewswire/ --
Time Domain
Corporation,
(<http://www.timedomain.com>), a leader in precision ultra wideband (UWB) real-time location systems (RTLS), today announced that Paul Reitmeier has joined the company as chief executive officer.
<http://www.prnewswire.com/cgi->

bin/stories.pl?ACCT=104&SIORY=/www/story/03-17-2008/0004775101&EDATE=

The Final Comment

We always try to find something to keep away those boring evenings while you wait to get back to work. This month is no exception, try these:

Flight of the penguins.

(Be sure to watch the how it was done video.)

<http://www.youtube.com/watch?v=9dfWzp7rYR4>

Give us your tired,

Your poor, your massive blocks of cheese: "champion cheese carver" Troy Landwehr takes liberties with 1200 pounds of cheddar.

<http://www.youtube.com/watch?v=R0bOh2ipARI>

Draw a pig

<http://drawapig.desktopcreatures.com/>

Tap that tune:

<http://www.songtapper.com/>

Play with a turkey:

<http://www.addictinggames.com/turkeytoqo.html>

How to be more productive:

<http://www.aaronsw.com/weblog/productivity>

Free space simulator:

<http://celestia.sourceforge.net/>

For the paranoid among us:

<http://zapatopi.net/afdb/>

How Sharks work!

<http://science.howstuffworks.com/shark.htm>

Who said that in history?

<http://politicalcompass.org/iconochasms.php>

Please tell us what extra you want from the newsletter and don't forget to tell your friends to subscribe. You can forward your ideas to news@hightechaid.com. No part of the newsletter may be reproduced without written permission. No liability is accepted for any action arising from the contents of the newsletter; readers are advised to seek professional opinion on the use of any products described. Opinions expressed in any article by an

outside contributor
are not necessarily
endorsed by the
publishers of the
newsletter.

Unsubscribe: See
the link at the
bottom of the page

© High Tech Aid 2008