



Welcome to the **January** edition of ACT News. This complimentary service is provided by ACT Canada; "building an informed marketplace". Please feel free to forward this to your colleagues.

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ACCEO - *Payment Solutions Partner*

The e-business operations expert, ACCEO Solutions is a leader in banking, accounting, and business software, SaaS solutions, and cloud computing. We also offer a wide range of specialized consulting services covering strategic advising, IT management and infrastructure, payment solutions, custom development, and full integration of our own and of our partners' ERP solutions.

GIESECKE & DEVRIENT - *NFC / Mobile Solutions Partner*

Giesecke & Devrient has introduced a comprehensive mobile wallet solution for NFC services and beyond, bringing all the functions of an electronic wallet onto a common platform. Now you can access your mobile services anytime, anywhere: at work or home, while travelling or for shopping. Visit http://www.giesecke.com/can/en/trends_and_insights/tsm_for_nfc/_wallet/_wallet.jsp



INTERAC - Payment Network Partner

Interac Association is a recognized world leader in debit card services. Interac Association is responsible for the development and operations of the *Interac* network, a national payment network that allows Canadians to access their money through *Interac* Cash at 60,000 Automated Banking Machines and *Interac*Debit at 766,000 point-of-sale terminals across Canada. *Interac* Flash, a secure contactless enhancement of *Interac* Debit allows Canadians to pay for items instantly with their *Interac* chip debit card at a reader that supports *Interac* Flash.

PAYMENTS BUSINESS – Media Partner

New and Renewing Members

Principal Members

Canadian Western Bank ~ member since 2010
Home Trust Company ~ member since 2009
MasterCard Worldwide ~ member since 1999
MSC Payment Solutions (Division of Moneris) ~ member since 2010
Royal Bank of Canada ~ returning member

General Members

Apriva ~ member since 2009
Canadian Federation of Independent Businesses ~ member since 2013
CPI Card Group ~ member since 1999
Direct Image Cards ~ new member
ETA (Electronic Transactions Association) ~ member since 2013
ICC Solutions Ltd ~ member since 2003
ICMA ~ member since 2001
Imperial Oil ~ member since 2010
Lowe's Companies, Inc. ~ new member
Merchant Advisory Group ~ member since 2012
Mercury Payment Systems ~ member since 2011
National Association of Campus Card Users ~ member since 2000
OBSI ~ member since 2009
Passport Canada ~ member since 2006
Payments Business ~ member since 2010
Smart Card Alliance ~ member since 2001
Target Corporation ~ member since 2012
Torys LLP ~ member since 2012

Associate Members

FICS Consulting Inc. ~ member since 2012
Jonathan Magder ~ member since 2013



Mills & Mills LLP ~ member since 2010
NorthCard Inc. ~ member since 2012
Payments Advisors Inc. ~ member since 2012
Pierre Roberge, Mobile & Payment Innovation Consultant ~ member since 2013
White Page Consulting ~ member since 2013

Career Opportunities

Looking for good people?

There is a lot of movement in the market, so if you are looking for new employees, we are always aware of some great people. Please contact ACT Canada for more details – postings@actcda.com

Calendar Of Events

Payments Summit, presented by the Smart Card Alliance

Feb 5-7, 2014
Salt Lake City, UT
<http://www.SCAPayments.com>

Connect:ID

Mar 17 - 19, 2014
Washington, DC
<http://www.connectidexpo.com>

Mobile Payment Workshop, presented by ACT Canada and Payments Business

March 27, 2014
Toronto, ON
<http://paymentsbusiness.ca/mobileworkshop.htm>

Cartes America

May 13-15, 2014
Las Vegas, NV
<http://www.cartes-northamerica.com>

2014 CNP Expo

May 19-22, 2014
Orlando, FL
<http://cardnotpresent.com/cnpexpo/>

Cardware 2014, presented by ACT Canada

June 17-18, 2014
Marriott Gateway on the Falls
Niagara Falls, ON, Canada
<http://www.actcda.com/cardware>
Online registration is now open!



Articles

1. EDITORIAL COMMENT - DEATH, TAXES AND

Source: Catherine Johnston, President & CEO, ACT Canada (01/30)

Death, taxes and

It is said that these are the only certainties in life, but that is far from true. Here are three more: options, choices and outcomes. Not a day goes by that we don't have all three of these and how you deal with them influences the course of your life. My grandmother and I used to talk about options. She wasn't a great believer, thinking that only good options mattered; but just because something is undesirable, doesn't mean it isn't an option. Sometimes an option has merit, but the timing is wrong. I like these, because I can tuck them away and bring them back when things have changed to make the timing better. In the world of secure payment and identity, there is great potential to do this. Over the past 65 years, technology has consistently emerged faster than the market can implement. Sometimes the delay is because of business cases, sometimes it is a matter of partnerships or consortiums that need to be formed and other times consumers simply don't see the need or desire to adopt a new technology. Identifying what needs to be changed and knowing when conditions are right to move ahead has made some people very successful.

Choices are interesting. I've known many people who try hard to make no choices, believing that this is safer than potentially making a wrong choice. The reality is that most choices we make involve other people, so if we don't make the decision, they will. I'd rather be a part of the decision making process than the victim of it. Here is my best advice on making decisions. Get as much information as you deem necessary (avoiding the internet overload scenario) and make sure you include the other people who will be impacted by your decision. Then, if the situation changes or better information becomes available, revisit your decision and change it if necessary. Some people are uncomfortable doing this, afraid that others will view them badly, but what is worse than the decision maker who refuses to embrace a better choice when it becomes available? Make the best decisions you can based on the best information you can get at the time. This too has made many people very successful.

No matter what options are available and what choices you make, there will be outcomes. Take pride in the good ones and share the credit with those who helped you by providing information, supporting your decisions or by challenging you and forcing you to really review every aspect of your choice. If you are going to learn from decisions that didn't work out as well as you had hoped, think about whom else could have helped you. Sometimes you have to accept the fact that



your choices were right, but factors beyond your control dictated a bad outcome. And if it simply was your fault, spend the time to figure out what you would do differently the next time. Choices, options and outcomes are a part of life and a chance to positively succeed. In this new year, I wish you every success.

2. RBC WALLET NOW AVAILABLE: FIRST MOBILE SOLUTION TO PROVIDE CANADIANS WITH THE CHOICE OF DEBIT OR CREDIT

Source: RBC (01/22)

The RBC Wallet, powered by RBC Secure Cloud, is now available, enabling RBC Mobile clients to purchase goods and services with their RBC Interac Debit or Visa credit cards using their Bell Mobility Android smartphone. RBC is the first Canadian financial institution to provide clients with the choice of using debit or credit for their mobile payments. "We are excited to bring the RBC Wallet to RBC and Bell Mobility clients," said Dave McKay, group head, Personal & Commercial Banking, RBC. "Our vision is for the RBC Wallet to work on all phones, with all carriers, and include value-added services and solutions - all safely secured in RBC Secure Cloud. As technology is rapidly changing, we chose a phased approach, enabling us to bring this exciting new technology to a portion of our clients right now, with many enhancements to follow."

The RBC Wallet powered by RBC Secure Cloud is currently available to RBC clients who have a Samsung Galaxy S III or Samsung Galaxy S4, some of the most widely adopted Near Field Communication (NFC) enabled smartphones, operating on the Bell network, and have an upgraded NFC-enabled SIM card. Using NFC technology, the RBC Wallet enables consumers to pay for small purchases using their phones at merchant locations that accept contactless payments, similar to Interac Flash or Visa PayWave. "Canada's largest bank and Canada's largest communications company have partnered to make your everyday purchases easier and more convenient with your smartphone," said Wade Oosterman, president of Bell Mobility and Residential Services, and chief brand officer at Bell. "Bell is proud to partner with RBC to enable payments using the country's largest 4G mobile network and the latest smartphones, delivering the benefits of mobile commerce to Canadians everywhere."

Late last year, RBC engaged a cross-section of customers, merchants, network operators, acquirers and RBC employees in an extensive road test. The participants were provided a smartphone and access to services - real and future - and their feedback has helped shape today's offering and will shape future capabilities of the RBC Wallet. "We will not bring anything to market until we are confident that we have the very best solution, which meets the needs of our customers, merchants and all other partners," added McKay. The RBC Wallet offers added security and protection as client payment information, including card details, is stored virtually within RBC Secure Cloud and not on the phone.



Furthermore, payments made with the RBC Wallet are protected by the RBC Online Banking Security Guarantee. To download, visit the App Store, text "RBC" to 722722 or visit www.rbc.com/securecloud. The RBC Wallet will be adding MasterCard and be available on more devices in the spring of 2014.

In continuing to engage and further RBC's mobile commerce solution, on January 20, 2014, RBC held its first Emerging Payments Merchant Forum with more than 50 merchant participants in attendance, representing 34 leading Canadian retailers, including the national merchants who participated in the road test. This unique and innovative event explored the ever-changing mobile landscape and provided key industry leaders with an exclusive look at RBC's mobile vision, as well as value-added services and solutions that will benefit customers, credit and debit networks, financial institutions and merchants.

RBC Interac and Visa are members of ACT Canada; please visit www.rbc.com; www.interac.ca and www.visa.ca.

3. IN WAKE OF BREACHES, NRF CALLS FOR ADOPTION OF PIN-AND-CHIP CARDS

Source: Chain Store Age (01/17)

The National Retail Federation is calling for the use of chip-and-PIN technology in credit and debit cards. Experts say the technology, standard around the world, is more secure than the magnetic stripe cards that are still widely used throughout the United States. The technology has not been widely adopted in the United States, partly due to its higher cost. "PIN-and-chip cards are widely used across the globe, and it's time for the bankcard industry in the United States to adopt that technology to better protect our consumers," stated senior VP for government relations David French. "We must transition away from 1960s technology and adopt a 21st century system that will help reduce and prevent fraud and protect customers from the threat posed by sophisticated cybercriminals, hackers and data thieves." In addition to calling for the adoption chip and pin technology, the NRF board agreed at its meeting on January 12 that the country needs a federal cyber law that would allow for immediate sharing of information about the latest threats, and would outline a comprehensive plan for the thorough investigation and prosecution of data crimes.

The NRF board also called for a single federal breach notification law to replace the patchwork of 47 different state laws which would allow retailers to focus on a single law and simplify consumers understanding of their rights. "In the days ahead, the NRF will be working with retailers large and small, policy makers, trade associations, consumer protection advocates, law enforcement and other stakeholders to coordinate and advance a campaign that will ultimately result in



consumer data protection,” said Mallory Duncan, senior VP and general counsel, NRF.

4. ROYAL CANADIAN MINT SET TO DEMO DIGITAL CURRENCY

Source: The Toronto Star (01/10)

Using loonies and toonies to pay for your double-double could soon be an extinct experience for Canadians. Next week, the Royal Canadian Mint will unveil the latest step in MintChip, their research and development project that’s looking into a digital replacement for pocket change. First announced in spring 2012, MintChip has evolved from an idea into new software built by Ingenico, a company that designs all kinds of payment methods. The software allows mobile devices with MintChip accounts to send small amounts of digital currency to point of sale terminals using near field communications. “The transaction is very cash like,” said Marc Brule, Chief Emerging Payments Officer at Royal Canadian Mint. “The value is transferred instantaneously and securely from one account to another.” Unlike credit or debit, no third party is involved and no personal information is used in the transaction, Brule explained. Instead, the transfer has the ID of the chip receiving the funds, the date, and the amount being sent.

Privacy has been one of the critiques levelled at digital crypto currencies, such as Bitcoin, known for being popular with people looking to execute criminal transactions online. MintChip skirts those concerns by limiting the funds that can be transferred and having a cap on how much can be in a MintChip account at any one time, Brule said. Later this month, Mint employees will get to test out the new technology for themselves. Cafeterias at the Mint offices in Ottawa and Winnipeg are getting Ingenico terminals that can accept MintChip transfers, and employees will get their own MintChip accounts. Employees can do more than buy lunch with the new accounts, Brule said. They’ll also be encouraged to use MintChip for online purchases and to transfer money to other people with MintChip. Plans are in the works to launch third-party pilots later this year, and conversations about the future of MintChip are ongoing with various stakeholders, including the federal government, Brule said.

Brule said he’s been asked to speak about the project around the world, and, as far as he knows, no other government agency or department is working on similar technology. When he speaks about MintChip, people say it’s unique and innovative. “They’re quite taken back that a government organization has seen fit to invest and look forward into digital currency such as this.” Brule sees MintChip — or something similar — having a future not only in Canada, but around the world. The Mint has eight patents pending on features of the software in major markets around the world. “I truly believe a digital cash-like product is coming,” Brule said. But he doesn’t foresee a day where technology replaces nickels and dimes



entirely. "Based on our research, our belief is that cash and coins will be around for sometime."

Royal Canadian Mint is a member of ACT Canada; please visit www.mint.ca

5. CANADIANS EXPECT MOBILE PAYMENTS GROWTH

Source: MobilePaymentsToday (2013/12/31)

Expectations are running high among Canadian consumers for the future of mobile payments, according to a consumer survey from Canadian telecoms company Rogers Communications. According to the survey, "Rogers Innovation Report: Tech Trends 2013," 52 percent of Canadians own a smartphone, while 33 percent own a tablet. These mobile device owners expect changes to the retail landscape, with 50 percent of respondents expecting to spend more money shopping online than in physical stores within the next five years. Sixty-eight percent of Canadian mobile device owners said they expect to make online purchases on PCs or mobile devices in 2014, compared to 65 percent who made online purchases in 2013, the survey found. However, the biggest gains in 2014 are expected for mobile-based payments and location-based apps that offer personalized deals and customized electronic greetings.

The survey found that 41 percent of respondents expect to make mobile purchases in 2014, compared to 34 percent who did so in 2013. Also, 28 percent of respondents expect to use location-based apps in 2014, compared to 18 percent in 2013. Seventy-two percent of respondents said they expect to earn and accumulate loyalty rewards by making purchases through their mobile device, and 70 percent expect retailers to have location-based apps. Forty-nine percent of those who use mobile payment apps said they would use these devices more often in the next 12 months. Device owners believe mobile wallets will gain steam, the survey found. Sixty-one percent expect to have mobile wallets that allow them to access all the cards in their physical wallet and 55 percent expect mobile wallet apps to replace the need to carry physical payment cards.

Rogers is a member of ACT Canada; please visit www.rogers.com.

6. TD'S NEW ATMS TAKES CARE OF YOUR DEPOSITS IN A SNAP

Source: TD Canada Trust (2013/12/02)

TD Canada Trust today announced its new ATM Green Machines featuring touch screens, envelope-free deposits and the ability to view scanned cheque images and itemized cash on the transaction receipt. "We're very excited to unveil our new ATMs which give our customers quick access to cash and make depositing at the ATM faster and more convenient," said Jim Grimmer, Head of



North American ATM, TD. "We're thrilled to be the first bank to launch this innovative functionality across Canada, giving customers another reason to bank with us." As part of the initial rollout, TD will install 25 new envelope-free and image-enabled ATMs in nine locations across Canada and plans to update all other Canadian ATMs by the end of 2015. TD's new ATMs allow customers to track deposits by having an image of the cheques deposited on their receipt, making record-keeping easier and more convenient. This innovative solution allows customers to insert multiple cheques or cash without using an envelope.

"We know customers will appreciate the convenience and added assurance of having a photographic record of their deposit. Our new ATM receipts will make organizing bank deposits easier and give our customers peace of mind in knowing their cheques and cash have been received safely and securely," added Grimmer. "Not only are envelope-free deposits better for the environment, they also speed up the time it takes to make a deposit at the ATM."

TD is a member of ACT Canada; please visit www.td.com.

7. CANADIAN CONSUMER WATCHDOG ISSUES M-PAYMENTS WARNING

Source: MobilePaymentsToday (2013/12/19)

The Financial Consumer Agency of Canada is warning Canadian consumers about the risks of malware and customer profiling associated with mobile payments. The financial services industry watchdog is developing information to help consumers understand how m-payments work and what their implications are. According to a study published by the FCAC, the introduction of mobile payments into the Canadian marketplace brings both convenience and potential risks for Canadian consumers. The study, titled "Mobile Payments and Consumer Protection in Canada," examines the extent to which Canadian financial consumers are protected when making m-payments. The study's key highlights are:

- Users of m-payments in Canada are not all protected equally, as consumer protection obligations vary by service provider.
- Mobile devices represent an opportunity to improve disclosure by informing consumers and seeking consent in real time.
- M-payment service providers may sell user data to third-party marketers, who then target consumers with advertising based on demographic, behavioral and geographic information. This practice, known as profiling, may provide benefits to consumers, but it may also pose new risks, particularly when products are marketed to vulnerable consumers.
- The number of stakeholders involved in an m-payment transaction may increase the level of complexity related to dispute resolution and redress. In the event of an error or unfair treatment, a consumer may be unsure about how or where to file a complaint or obtain redress.



The FCAC said it will use the study findings for consumer education. It wants to make Canadians more aware of profiling and malware threats and the ways they can best protect themselves. The organization also wants to ensure that federally regulated financial institutions, payment card network operators and external complaints bodies comply with legislation and industry commitments intended to protect consumers. The FCAC was set up by the Canadian government in 2001 as an independent body chartered with protecting and informing consumers of financial services. It was given oversight of the Canadian payment card networks in 2010.

8. CIBC BRINGS INDUSTRY-LEADING MOBILE PAYMENT APP TO THREE MORE POPULAR DEVICES

Source: CIBMC (01/22)

CIBC announced an expansion of the CIBC Mobile Payment app to the Galaxy Note II and HTC One smartphones on the Rogers wireless network, along with the recently added Samsung Galaxy S4 which can be used for payments today. These additions mean that more Canadians will start 2014 with the opportunity to pay for everyday purchases simply by using their smartphone at the checkout counter instead of reaching for their wallet. "We're excited to be extending our CIBC Mobile Payment app to three devices that our clients have been asking for, allowing them to be part of the trend in 2014 towards paying with your phone," said Brenda Clark, Vice-President, Payments Innovation and Integration, CIBC. "This will be a year of growth for mobile payments in Canada, and we are excited to be building on our leadership position with more devices and more choices for Canadians." In a December 2013 CIBC poll conducted by Harris/Decima, 56 per cent of Canadians said they carried their smartphone while shopping for the holidays. "Smartphones are increasingly becoming part of the shopping experience for Canadians," said Ms. Clark. "A growing number of CIBC credit card holders have enjoyed the opportunity to be the first among their friends to have access to this innovation in payments." The CIBC Mobile Payment App is now available on the following smartphones on the Rogers wireless network:

- Samsung Galaxy S4 & SIII
- Samsung Galaxy Note II
- HTC One
- Blackberry Z10 & Q10
- BlackBerry Bold 9900

The CIBC Mobile Payment app is already accepted at thousands of retailers across Canada for purchases under \$50. Clients pay by activating the app and then simply holding their phone up to the contactless payment terminal. The CIBC app also offers a number of safeguards making it as secure as credit cards, including the same proven chip technology, optional user passwords, and encryption to securely store credit card information on SIM cards.



CIBC and Rogers are members of ACT Canada; please visit www.cibc.com and www.rogers.com.

9. EXXONMOBILE JOINS MCX MOBILE PAYMENTS ALLIANCE

Source: MobilePaymentsToday (2013/12/10)

ExxonMobile has signaled its interest in promoting mobile payments by joining the Merchant Customer Exchange. The member-owned MCX is building a merchant-controlled mobile payments infrastructure that will compete with initiatives such as Isis and Google Wallet. Besides ExxonMobile, Giant Eagle, Kum&Go and Rite Aid Corp. are also joining MCX, whose existing members include Walmart, Kmart, Olive Garden and Southwest Airlines. The addition of the new members takes the total number of merchants participating in MCX to more than 50. The members represent in excess of 100,000 locations and more than \$1 trillion in payments annually, MCX said. "We are seeing tremendous interest and momentum with new merchants, large and small, coming on board to work together to offer a mobile commerce solution that will best serve the needs of customers and merchants alike," MCX CEO Dekkers Davidson said in a news release.

MCX is a member of ACT Canada; please visit www.mcx.com.

10. FIME BECOMES ACCREDITED GSMA LABORATORY

Source: FIME (2013/12/12)

Advanced secure-chip testing provider, FIME, has been accredited by the GSMA, the association which represents the interests of mobile operators worldwide, to offer handset testing as outlined in the new GSMA Near Field Communication (NFC) Handset Capabilities Testing Handbook. The new GSMA handbook will bring clarity to the marketplace by capturing all mobile network operator (MNO) certification requirements to achieve a common approach to handset testing. The test handbook looks at a range of testing topics including the software validation of a mobile handset for NFC and contactless services. With this accreditation, FIME's laboratory has been recognised by the GSMA as a test centre that can deliver the testing outlined in the handbook to ensure devices are accredited to the highest standards and brought to market as quickly and efficiently as possible. FIME has built up extensive experience in developing NFC-enabled device testing for MNOs and mobile handset manufacturers from the early stages of NFC deployment, and this experience has enabled the company to provide strong support to the GSMA with its initiative.

Stephanie El Rhomri, NFC & Payments Vendor Business Line Manager at FIME, comments: "By requiring that all mobile handset manufacturers align to the



industry agreed requirements stipulated, MNOs will be able to effectively streamline the device testing process across their networks. This valuable work undertaken by the GSMA is an important step in supporting mass market deployment of NFC-enabled devices as it promotes market clarity and will facilitate faster product time to market.” Pierre Combelles, Head of Mobile Commerce, GSMA, added: “The test book and the testing process will simplify the way handset manufacturers will introduce new NFC handsets into market, as they will now know what the core operator requirements are, how to test them, and where to test them.” “As the industry gets closer to broad-scale adoption of NFC, it is important to create a consistent and standardised NFC testing environment,” concludes Stephanie El Rhomri. “With many markets converging there will obviously be gaps that need to be addressed. Industry bodies such as the GSMA are helping to build bridges and establish best practice standards. We are proud to be an accredited GSMA laboratory and looking forward to helping MNOs accelerate product time to market with our testing and consultancy expertise.”

FIME is a member of ACT Canada; please visit www.fime.com.

11. MONERIS INTRODUCES DIGITAL GIFT AND LOYALTY CARDS COMPATIBLE WITH APPLE'S PASSBOOK

Source: Moneris (2013/12/10)

Moneris Solutions Corporation announced that its gift and loyalty program for medium to large businesses are now compatible with Apple’s Passbook application. With this new offering, merchants can provide cardholders with the ability to digitize their physical gift or loyalty cards into the Passbook application, marking a significant move towards a more convenient experience for cardholders. “One of Passbook’s biggest challenges to date has been the slow uptake in point-of-sale (POS) acceptance by merchants,” says Jeff Guthrie, Chief Sales & Marketing Officer at Moneris. “Through our gift and loyalty program offering, coupled with our innovative POS solutions and strong relationships with merchants, we can implement Passbook’s end-to-end experience on a much broader scale, providing merchants and consumers alike with the convenience of virtual gift and loyalty programs.” The Passbook application, which is pre-loaded onto all Apple iPhone and iPod touch devices using iOS 6 or 7, allows users to virtually store such content as airline boarding passes, coupons, and loyalty and gift cards, decreasing the number of physical documents and cards typically held in a wallet or purse. To use the Passbook gift or loyalty card, a user simply opens the mobile application at a participating merchant’s point-of-sale, who then keys in or scans the card number. The card account balance updates instantly on Passbook eliminating the need to check balances on receipts or through an online portal.



“Virtual wallets are becoming increasingly popular,” says Guthrie. “In fact, a 2012 Affinion Loyalty group study has found that 61 per cent of consumers prefer virtual over physical cards. In an increasingly digital marketplace, Moneris is proud to offer merchants and consumers an enhanced transaction experience with innovative, convenient and secure solutions, such as the new Passbook service for our gift and loyalty programs.” Last month, Moneris launched a pilot Passbook service for Kernels Popcorn’s gift loyalty card program in over 70 locations across Canada, which was well received by its customers. “Kernels Popcorn is proud of its participation in this innovative program in Canada,” says Penny Daniels, CFO of Kernels Popcorn. “We are seeing customers adopt the service to virtualize their loyalty and gift cards to Passbook. In this ever increasing mobile environment, this program is a valuable tool for the customer to keep their Popcorn at their fingertips!”

Moneris is a member of ACT Canada; please visit www.moneris.com.

12. GEMALTO UPTEQ MULTI-TENANT SIM POWERS FIRST NFC PAYMENT IN UKRAINE

Source: Gemalto (01/22)

Gemalto has supplied its UpTeq Multi-tenant SIM embedded software and product to Kyivstar, the leading Ukrainian mobile operator, supporting the country’s first ever contactless payment via a mobile phone. Working in conjunction with Kyivstar, Alfa Bank’s pilot paves the way for a full commercial launch of NFC mobile payments across Ukraine. Kyivstar is the Ukrainian business unit of VimpelCom Ltd, with a total customer base of over 25 million subscribers. This first introduction of mobile payments in the country will put new standards of convenience within reach of millions of Kyivstar subscribers. Gemalto’s proven UpTeq Multi-tenant SIM will enable payment for a host of goods and services with nothing more than the tap of a smartphone. The UpTeq SIM design incorporates a unique multi-tenant architecture that facilitates simple and fast on-boarding of new service providers to create a compelling value proposition for mobile operators, banks, transit and loyalty schemes. At present there are an estimated 22,000 contactless payment terminals in Ukraine. Eliminating the need to fumble for the right cash or card, the ground-breaking service from Kyivstar and Alfa Bank will mean Ukrainians can look forward to less stress and shorter queues when paying at shops throughout the country.

“Kyivstar is committed to delivering an outstanding mobile payment experience,” said Alexey Kireev, Head of New Business Department at Kyivstar. “Our goal is to continue developing mobile finance products at Kyivstar extensively in 2014. We are glad to be working with one of the world’s most trusted partners for NFC.” “NFC technology virtually transforms a smartphone into a fully functional ‘mobile purse’, which offers Alfa-Bank customers a trendy, ubiquitous payment



method,” noted Piotr Kaczmarek, Director of Retail Business, Alfa-Bank (Ukraine). « And you may use it anywhere you come across a contactless payment terminal.” “By leveraging Gemalto’s NFC technology, Kyivstar and Alfa Bank are pioneering a revolution in the way Ukrainians will pay for goods and services in the years ahead,” added Philippe Cambriel, Gemalto President for Europe, Mediterranean and CIS. “With the boom in contactless equipment at the point of sale in the country, this is the perfect timing for mobile payment introduction.”

Gemalto is a member of ACT Canada; please visit www.gemalto.com.

13. AEROPLAN MEMBERS START TAKING ADVANTAGE OF AEROPLAN’S NEW DISTINCTION PROGRAM

Source: AIMIA (01/06)

Aeroplan kicked off the benefits of its new tiered recognition program ‘Distinction’ that rewards its top accumulating members based on total Aeroplan Miles earned across all coalition partners including airline, travel, retail and financial card partners. As announced back in June 2013, in addition to other significant enhancements to the program including new Market Fare Flight Rewards, Distinction brings the Aeroplan program to a whole new level providing members with an unrivalled loyalty experience that includes:

- Exclusive flight reward benefits with significantly better value on new Market Fare Flight Rewards;
- Distinction Flights to popular destinations during peak periods with 100% of the seats reserved for Distinction members and offered at ClassicFlight reward mileage levels and including a dedicated check-in, complimentary bar and snack service on board and two free bags in Economy class;
- Bonus mile offers through Aeroplan’s eStore; with Air Canada; on hotel stays with Fairmont Hotels & Resorts, Marriott and Starwood Hotels & Resorts; and on redemptions at Starwood Hotels & Resorts;
- Call priority for dDiamond members at Aeroplan’s Contact Centre and Preferential treatment at Fairmont Hotels & Resorts;
- Exclusive partner offers and unique redemption opportunities.

“We’re thrilled to launch our Distinction program’s benefits today to give members the greater recognition they deserve for purchasing with our partners,” said Kevin O’Brien, Chief Commercial Officer, Aeroplan. “I’m delighted that whether a member flies with Air Canada or our other domestic or Star Alliance partners, they put all of their spending on their Aeroplan financial card, they book with our travel partners or they ensure they shop with our retail partners, we will now recognize and reward their loyalty. As we approach our 30th anniversary in July, we’re planning additional enhancements that will help transform the Aeroplan program, making it even better for members. All this plus our new suite of credit cards ensures that 2014 will be an exciting year for our members!” The Distinction



qualification period begins on January 1st of each calendar year and ends on December 31st of the same year. Since the beginning of the year, benefits start as soon as a member successfully reaches a Distinction level, and they last until the end of the following calendar year.

Aimia is a member of ACT Canada; please visit www.aimia.com.

14. APPLE FILES PATENT FOR MULTI-INTERFACE CONTACTLESS PAYMENTS

Source: MobilePaymentsToday (01/20)

Apple has filed a patent for connecting wireless devices to POS terminals using more than one interface. The patent describes the use of NFC or RFID for secure communication of payment information at the POS, while Wi-Fi or Bluetooth is used to send extra information. The patent filing may indicate that Apple plans to add NFC to its new iPhone6 devices, suggested Bobsguide. NFC has thus far been lacking in iPhones. The use of NFC communication plus one other link, such as Wi-Fi or Bluetooth, is necessary to secure contactless transactions and to facilitate the exchange of extra data such as additional payment information, coupon offers or coupon data, according to the Apple filing published by the U.S. Patent & Trademark Office. "NFC can be used in electronic transactions, e.g. to securely send order and payment information for online purchases from a purchaser's mobile device to a seller's point of sale (POS) device," the filing said. "The second air interface can be used, for example, to send information such as offers by customers or merchants, coupon offers and redemptions, receipts, follow-up information, and so on."

The establishment of a second connection between the phone and POS is more convenient for customers, the filing said. "NFC is less desirable for longer transactions such as those that involve transferring more data than used by the payment information, or use more time than used in the NFC connection establishment process," it said. The patent includes information on the use of smartphone secure elements and encryption.

15. HUDSON'S BAY, LORD & TAYLOR OFFER MOBILE SHOPPING FROM PRINT ADS

Source: MobilePaymentsToday (01/23)

The HBC Department Store Group announced the launch of a new mobile shopping application for both Hudson's Bay and Lord & Taylor. HBC is partnering with Pounce, a consumer-facing mobile app, to integrate traditional media with m-commerce, providing customers the opportunity to purchase merchandise displayed in print media using tablets and smartphones. The app launched in



Canada, just ahead of this year's Olympic Winter Games. Hudson's Bay is the official apparel sponsor of the Canadian Olympic and Paralympic Teams for the Sochi 2014 Olympic and Paralympic Winter Games, and the upcoming ads for HBC Olympic apparel will be the first to display the Pounce mobile app opportunity for customers. The app also launched in the U.S. for Lord & Taylor.

"Our goal with this initiative is to complement traditional media with popular mobile technology, and Pounce creates the opportunity to combine offline and online channels in a seamless way," HBC CMO Michael Crotty said in the announcement. "Pounce's unique capability is a natural fit as we roll out and grow our omnichannel strategy for HBC." "Traditional media is a successful marketing channel, but consumers also want the power of instant purchasing," Pounce CEO Avital Yachin said in the announcement. "Our technology turns static print into digital storefronts, satisfying the instant purchasing needs of consumers."

16. MERCURY LAUNCHES COMBINED MOBILE PAYMENTS, GIFT AND REWARDS CARD

Source: MobilePaymentsToday (01/07)

Mercury Payment Systems has launched the Mercury StoreCard, an all-in-one mobile payments, gift, rewards and promotions card. The Durango, Colo.-based payment processor said it wants to bring big box store marketing power to its customer base of small and mid-sized businesses. The Mercury StoreCard works with the merchant's existing POS system, allowing payments to be processed in the same way as other gift card transactions. This removes much of the effort needed to adopt new payment technology, Mercury said in a news release. Mercury StoreCard on smartphone. Consumers can use the Mercury StoreCard as a gift card or as a reloadable stored-value card to earn cash-back loyalty rewards on Mercury StoreCard purchases. The Mercury StoreCard can also be converted into a digital gift card via Apple Passbook or an Android marketplace app. This gives customers the option of paying for purchases with either their physical card or their smartphones.

Consumers can use their smartphones to view their Mercury StoreCard's balances, to reload their cards either manually or automatically, and to send custom-printed gift cards to their family and friends. They can also share promotional gift cards via social media. "With the Mercury StoreCard, we're making gift card and rewards programs simple for the consumer to use and simple for the merchant to manage," Travis Priest, vice president of value added services for Mercury, said in the release. The Mercury StoreCard will be available to select customers in February, with a broader rollout planned for mid-year.

Mercury Payment Systems is a member of ACT Canada; please visit www.mercurypay.com.



17. CREDIT UNIONS EXPAND MOBILE BANKING PLATFORMS WITH ANDROID APP LAUNCH

Source: *Central1* (2013/12/11)

Central 1 Credit Union (Central 1) is pleased to announce the launch of its MemberDirect Mobile App for Android at First West Credit Union (Valley First and Envision Financial) and Vancity in B.C. this week and at Conexus Credit Union in Saskatchewan next week. Another 16 Canadian credit unions will be releasing the Android App over the next few weeks. The app is available on Google Play. The Android version of the app offers the same features, security and convenience that have made the iPhone version — launched in December 2011 — one of the top banking apps as rated by users in the App Store. Credit unions offering both the Android and iPhone versions of the mobile app can support up to 91 per cent of their mobile banking customers.

Deposit Anywhere, a mobile banking app feature that credit unions were first to launch in April of this year, makes it easy for customers to deposit cheques using their smartphones in less than a minute without having to visit a branch or ATM. It's convenient, free and extremely easy-to-use. Nine credit unions currently offer Deposit Anywhere, developed by Central 1, and more are in the pipeline. In the first six months, more than 34,000 cheques worth upwards of \$65 million were deposited. Using the Android or iPhone App, customers can:

- View account balances and history
- Pay bills
- Schedule payments and transfers
- Send Interac e-Transfers
- Locate branches or ATMs
- Use QuickView, a unique time-saving feature that allows customers to see account balances without having to log in
- Deposit Anywhere: allows users, whose credit unions have this feature, to deposit cheques using their smartphone cameras

Central 1 is a member of ACT Canada; please visit www.central1.com.

18. INTEL INTEGRATES NFC READER INTO CORE PROCESSOR FOR SECURE MASTERPASS PAYMENTS

Source: *MobilePaymentsToday* (2013/12/05)

Intel, MasterCard and NXP Semiconductors are teaming up to deliver two-factor authentication via MasterCard-branded contactless cards for online payments. As a result of the partnership, Intel's 4th Generation Core processors with embedded NFC readers from Eindhoven, Netherlands-based NXP will be used in mobile phones, tablets, notebooks, Ultrabooks 2-in-1 and All-In-One PCs. Online shoppers using MasterCard's MasterPass digital service will be able to



make payments by tapping their MasterCard contactless card or NFC-enabled mobile phone against the built-in NFC reader and complete the transaction with positive identity authentication provided by Intel's Identity Protection Technology. Intel's 4th Generation Core processor-based devices containing NXP's NFC technology and using IPT will improve and secure consumers' online shopping experience, Praveen Vishakantiah, VP and general manager of client solutions and technologies at Intel PC Client Group, said in a press release.

MasterCard and NXP are members of ACT Canada; please visit www.mastercard.ca and www.nxp.com.

19. PAYPAL ADDS SUPPORT FOR PREPAID GIFT CARDS IN TIME FOR HOLIDAY SHOPPING

Source: Techcrunch (2013/11/27)

PayPal has added support for prepaid gift cards through PayPal Checkout, thanks to a “patent-pending and innovative method” that the company claims took “months of research and investigations” to develop. Though prepaid gift cards are a highly lucrative industry—research firm First Data estimated that more than \$43 billion worth of gift cards were purchased during the 2012 holiday season—they can be difficult to use on e-commerce sites because most don’t have a billing address attached to them. In fact, 60% of people who received gift cards told First Data they preferred to use them at brick-and-mortar locations. By offering gift card support through PayPal Checkout, the company may encourage more shoppers to redeem their gift cards online. PayPal isn’t doing this out of altruism, of course. The company currently collects a 2.9% fee on total sale amounts from merchants plus 30 cents per transaction, so it’s in their best interests to convince gift card recipients to gravitate toward sites with PayPal Checkout.

Offering prepaid gift card support is the latest push by PayPal to find more revenue streams in the upcoming holiday shopping season. At the end of October, PayPal struck a partnership with Blackhawk Network to bring the company’s gift card services to PayPal’s digital wallet. This means that shoppers can use PayPal to purchase Blackhawk’s gift cards and check balances.

20. MONERIS SIGNS DEAL TO USE VERIFONE'S E-PAYMENT DEVICES

Source: PaymentsSource (01/06)

Canadian debit and credit card processor Moneris will use countertop devices from VeriFone that are designed to accept and secure a variety of electronic payments. Moneris will shortly begin installing the VX 520, a countertop device that handles encryption, decryption and processing. It also includes contactless capabilities, and can accept alternative payments, EMV cards, mobile



wallet and magnetic stripe cards on the same device. The device also supports loyalty and gift cards. "The adoption of VX 520 devices will expand merchants' payment options, while giving them an opportunity to process payments faster and spend more time running their business," says Jeff Guthrie, chief sales and marketing officer at Moneris, in a Jan. 6 press release.

Moneris and VeriFone are members of ACT Canada; please visit www.moneris.com and www.verifone.com.

21. SECUREKEY BRIIDGE.NET CONNECT AUTHENTICATION SERVICE SUPPORTS GOOGLE ANDROID HCE

Source: Business Wire (2013/12/16)

SecureKey announced that its briidge.net Connect service can provide cloud-assisted device-based user authentication for mobile Near Field Communication (NFC) payments or other proximity transactions made using Google Android host-based card emulation (HCE). A new feature of the recently released Android 4.4 (Kit Kat), HCE allows any Android mobile phone to act like a contactless debit, credit or other card without needing a built-in secure element to store and protect the card data. The strong, multi-factor authentication provided by the briidge.net Connect service offers banks and other card issuers the greatest flexibility for ensuring the security of card data in their applications. It does this with or without a hardware secure element and regardless of where the data is stored—in the cloud, on the mobile device or both—and also supports emulation of the full range of common payment card brands. "We applaud Google for their efforts in opening up the mobile NFC market by implementing host-based card emulation in the latest release of the Android operating system, but HCE is only a part of the solution for enabling high-value NFC-initiated transactions," said Andre Boysen, executive vice president of marketing for SecureKey. "The SecureKey briidge.net Connect service extends strong device authentication to the cloud, providing the highest level of assurance for Android HCE transactions, greater confidence that card data is securely stored in any application, and an improved user experience."

The SecureKey briidge.net Connect-based solution builds upon the work the company has done providing similar authentication capabilities to MasterCard for its NFC-based MasterPass cloud-based mobile wallet to allow tap-and-pay online transactions using NFC-enabled PCs. SecureKey has already tested and confirmed the ability of the briidge.net Connect service to work with the HCE protocol to conduct a secure payment transaction at a retail outlet using the standard acquirer-provided payment terminal. Using a payment app developed by SecureKey to emulate a branded payment card, the briidge.net Connect service successfully validated the user and the payment app, retrieved the secured card data and used the HCE protocol on the mobile device to conduct the transaction. The SecureKey briidge.net Connect solution enables issuers to easily take



advantage of cloud-based tokenization trends for payment or other applications that employ the consumer device as a token. The SecureKey solution also offers easy integration into existing contactless smart card systems. It supports current and future card reader infrastructures, as well as PC-based platforms, and offers simple, efficient and proven integration with existing issuer payment systems.

In addition to payment applications, the SecureKey solution is flexible and provides the critical authentication needed to enable additional high-value NFC-initiated applications in health care delivery, ticketing, public transport and secure access, among others, and also opens the door for NFC ID transactions. The SecureKey solution is extensible and technology-agnostic at the device level, supporting both hardware and software secure elements and multiple proximity interface protocols, including NFC, QR and Bluetooth low energy. "Host-based card emulation is an exciting development for the proximity market, but it is still an emerging technology, and there are still many questions that need to be answered before it is widely deployed, including ensuring that card data is securely stored without a hardware secure element," said David Birch, founding director of UK-based secure electronic transactions specialists Consult Hyperion. "The SecureKey bridge.net Connect solution holds the promise of storing card data securely for a variety of high-value NFC transactions with Android HCE by providing simple, strong authentication."

SecureKey; MasterCard and Consult Hyperion are members of ACT Canada; please visit; www.securekey.com; www.mastercard.ca and www.chyp.com.

22. APPLE COULD BEAT BITCOIN OUT OF THE RETAIL MARKET

Source: FastCoLabs (2013/12/16)

Bitcoin is winning over some retailers for its cheaper transaction fees and digital access, but it hasn't permeated in-store purchases on a grand scale and might run into an unlikely contender: Apple. With its in-shop iBeacon platform, Apple could easily out-convenience Bitcoin and leverage its massive infrastructure to lure retailers away from the cryptocurrency market. Apple's anti-Bitcoin strategy is taking shape: Apple recently strong-armed the messaging app Gliph into eliminating Bitcoin sending on its iOS app, which follows Apple's policy to oust the digital wallet apps Coinbase (back in November) and Blockchain (in 2012) from the Apple store, citing vague violations of its Terms of Service. Apple doesn't want Bitcoin purchases happening on its servers. Which is where Coinpunk comes in, an open source Bitcoin wallet that allows you to keep your wallet on your own server. Current Bitcoin wallets like Coinbase hosts wallets them on their servers, a dependency which Coinpunk creator Kyle Drake says makes them more akin to bank accounts. Using Coinpunk's mobile web interface, even iPhone users can access their wallet and use a QR code scanner, which is the preferred way to enact Bitcoin transactions. With Coinpunk, Drake is hoping that privacy, safety, and



simplicity will win people over from the transaction fee-heavy current online market and into the privacy-friendly world of Bitcoin purchasing.

But you'll have to pry them away from their iPhones. Apple's betting big on another technology to facilitate the retail experience: iBeacons, which Apple's been inadvertently preparing for since equipping Bluetooth Low-Energy (BLE) in iPhones since the 4S, amounting to about 200 million devices worldwide. BLE allows phones to talk to iBeacons (and vice versa) quickly and energy-cheaply, facilitating those fancy in-store apps promised in Macy's and the Apple Stores that point out deals and, in the future, will likely allow on-the-spot purchases. If Apple wanted to keep Bitcoin out of these stores, they could mimic their App Store policy and require iBeacon users to similarly exclude Bitcoin purchases. Combined with the iTunes media marketplace and its Passbook app, local purchases via iBeacons are setting iOS devices up to be central purchasing hubs with all your credit card and financial data keyed in. Tim Cook said last July that there are over 575 million active iTunes accounts, which dwarfs PayPal's 110 million active accounts. If (or when) Apple decides to open its iTunes store into other markets, it already has the brand trust and device saturation to mainline purchases within its network.

Bitcoin's decentralized freedom comes at a price: trust. Banks have the ability to sometimes recall fraudulent purchases or withdrawals, but Bitcoin's exchanges are intentionally irreversible. SpendBitcoin's list of places that directly accept Bitcoin has a front-and-center disclaimer stating: "All of these sites are listed by the site owners. We have not vetted them. Please search and ensure they have a good reputation before sending bitcoins to them." Bitcoin's first Black Friday had just over 400 retailers participating in special deals. As TechCrunch points out, there's no reason for big-name outlets like Google, Amazon, and eBay to participate since they have their own digital wallet services (Google Wallet, PayPal, and Amazon One-Click). While Google Wallet is streamlined through Android devices, Apple's still got the in-person retail hook with iBeacon. If it can keep Bitcoin out of its markets, Apple's got the best shot of keeping American retail safely within the iOS family.

23. NFC: IT'S HIDING IN PLAIN SIGHT

Source: MobilePaymentsToday (2013/12/17)

The holiday shopping season is in full swing; we've survived Black Friday and Cyber Monday and are rapidly approaching the after-Christmas sales. This year a key part of that shopping experience has involved mobile payments — the use of a mobile device such as a tablet or smartphone to pay for goods and services. What once was just a concept in the minds of technologists is fast becoming reality and, in the process, providing consumers and vendors alike with greater ease of payment and more efficient tracking. As a result, the number of merchants accepting mobile payments continues to climb at a dramatic rate, as



does the number of consumers trying mobile payments for the first time. The last thing either of these camps wants to worry about as they explore this brave new world of shopping is security. Luckily, a number of emerging technologies may now hold the key to making mobile payments much more secure.

One such technology, Near Field Communication, enables the transfer of data between devices like smartphones, chip cards (a card with an embedded, unique microchip that encrypts or "scrambles" user data, making it virtually impossible to copy) and other similar devices, by simply touching them together or bringing them close to one another (usually just a few centimeters). Unlike Bluetooth, NFC requires no pairing, which makes device authentication easier. Also, since NFC is very low power, a battery is not required in the device being read (e.g., the chip card). With just a tap of your NFC-enabled smartphone or chip card against an NFC-enabled point-of-sale terminal, a merchant could easily take your payment and even identify things like your specific shopping preferences or apply a customer loyalty program reward. Companies such as Samsung and Visa are certainly working to promote this concept by making mobile payments through smartphones commonplace, but would it surprise anyone to know the technology is already in use today? For a prime example, look no further than the closest McDonald's; the chain has already installed contactless payments infrastructure in most of its POS systems worldwide, and now offers mobile contactless payments to NFC-enabled handsets.

Consumers not yet aware

In truth, many consumers currently have NFC technology embedded in their phones and credit cards and don't even know it. That's because the technology has advanced well ahead of its consumer awareness and usage models. Consumers are waking up to the technology and its benefits, however. With smaller, more energy-efficient NFC chips in development, and with the full gamut of handset manufacturers, POS terminal manufacturers and payments technology providers making the technology available to their customers, it's only a matter of time before consumers everywhere will be equipped with NFC-enabled devices capable of interacting with other NFC infrastructure devices for the purposes of mobile payment. One area where NFC will play a key role is as an enabler of contactless chip cards. Chip card technology comes in two variations. Contacted chip cards, also known as chip-and-pin cards, are slid into a slot in a POS terminal and require a personal ID number or secret numeric password for authentication. In contrast, contactless chip cards rely on NFC technology to securely exchange information. Both chip card variations promise to provide consumers with a mobile payment experience that is simple, quick and highly secure.

One reason chip cards offer better security is their use of dynamic authentication. Essentially, dynamic values are introduced into each transaction, reducing a criminal's ability to use stolen payment card data. Even if criminals



manage to get their hands on this data to create a counterfeit cards, they would be unusable without the original cards' unique elements. By comparison, modern magnetic strip cards are relatively easy for thieves to duplicate or replicate. Any merchant accepting credit cards today is required to be in compliance with PCI standards, which ensure all payment terminals and companion devices contain the encryption technologies needed to provide the highest level of security for cardholder data. That puts added demands on POS terminal and companion device manufacturers, as well as suppliers of "the brains" into those systems, to continue developing the advanced technologies necessary to help ensure these systems achieve PCI compliance. Mobile payments are now a reality and gaining traction with each passing day. Thanks to advanced technologies like NFC, chip card devices and compliance to evolving standards like EMV and PCI, today's consumers can be more assured of the security and reliability of their mobile payments.

24. INGENICO AND STARMOUNT PARTNER TO OFFER RETAILERS A JOINT MOBILE CHIP & PIN SOLUTION

Source: Marketwired (01/09)

Ingenico announced a strategic partnership with Starmount. Starmount's Engage mobile selling assistant application and Connect omni-channel commerce platform are now successfully certified to run on Ingenico's iSMP mobile payments solution for the iPod touch and iPhone, as well as the iSMP Companion for iOS, Android or Windows-based tablets and smartphones. "Ingenico is experiencing an explosive growth of innovation and demand for integrated mobile payment solutions as more U.S. retailers are introducing mobile technology to enable customer-data driven personalized service and secure checkout," said Rod Hometh, Vice President of Market Development, Ingenico North America. "By combining Ingenico's significant footprint in retail and EMV-ready payment products with Starmount's mobile software platform enables us to create a new way for retailers to service their customers. Our joint solution is designed to free store associates from a cash register, to service and transact with customers in the aisle without ever leaving the customer's side. " The new mobile POS solution grants store associates instant and convenient access to the latest product information, reviews and stock availability across all channels.

"Starmount is pleased to be among the first mobile POS providers to deliver a secure mobile EMV-enabled solution in partnership with Ingenico," said Greg Davis, Vice President, Product Management, Starmount. "Now U.S. retailers can use the mobile EMV-ready solution to eliminate lines and/or expedite checkout by transacting sales and accepting returns anywhere in the store."

Ingenico is a member of ACT Canada; please visit www.ingenico.com.



25. SAMSUNG GALAXY CARD COULD BE NFC-DRIVEN GOOGLE WALLET COMPETITOR

Source: Phandroid (01/15)

Samsung has been known to rival the top players, including Google themselves, with competing services, devices and platforms. Samsung's Media Hub as well as their voice command app S Voice come to mind in a hurry. Who's to say they wouldn't eventually want to branch out into mobile payments to rival the likes of Google Wallet or ISIS? We could be getting that in the form of the "Samsung Galaxy Card," a name that has recently been trademarked by Samsung over at the USPTO. At first glance, it sounds like it could be something similar to Google's play to be at the forefront of mobile payments known as the Google Wallet Card. It's a pre-paid credit card that will debit money for purchases straight from your Google Wallet account. It's not crazy to suggest Samsung would be looking to introduce something similar. It wasn't long ago that Samsung flashed signs of wanting to go their own way in the mobile payments world, with the OEM striking a deal with Visa to preload Visa's PayWave tap-to-pay software on their NFC-equipped devices back in 2013.

It'd be yet another move in a long string of them that sees Samsung slowly trying to free itself from dependency on Google and Android. While the company has never come out and said it, Samsung feels like they're big enough to build and maintain their own ecosystem and compete with the likes of Apple for mobile dominance. Samsung has been among the happiest of the go-lucky when it comes to putting NFC in their smartphones, so we imagine they will eventually want to do more with that technology than simply allow users to beam pictures and sell Samsung TecTile NFC tags. Throughout all this speculation, it's imperative to remember that Samsung typically reserves the "Galaxy" name for Android devices, not services or other tech. The Samsung Galaxy Card could turn out to be something completely different than what our imagination has cooked up. We'll just have to wait and see how all of this shapes up at some point in the future.

26. TIM HORTONS ADDS MOBILE PAYMENT OPTIONS

Source: MobilePaymentsToday (2013/12/12)

Tim Hortons announced new mobile payment options available through the brand's TimmyMe mobile app. The app, created to improve guest experience and speed of service, is available at restaurants throughout the U.S. and Canada, according to a news release. "We're always looking to provide our Tim Hortons guests with the best overall customer experience, and mobile payment is one area that we feel can help streamline the average time spent at the order counter," said David Clanachan, chief operating officer, Tim Hortons. "These new innovations offer secure, quick and easy payment alternatives, allowing our guests more time enjoying their favorite food and beverages." Customers who use BlackBerry 10



smartphones, including BlackBerry Q5, BlackBerry Q10, BlackBerry Z10 and BlackBerry Z30, will be able to register a Tim Card on the TimmyMe mobile app and use NFC tap-to-pay technology to complete their order. The company said this is one of the first integrations of an NFC-based stored value card solution with existing payment terminals.

Future development plans will also see this platform expanded to Android 4.4 devices. The company has also launched a barcode payment pilot program in the Niagara region in Canada and at select U.S. Tim Hortons Cafe & Bake Shop restaurants in Maine, Michigan, New York and Ohio. The barcode technology, which provides a scan-to-pay option once a Tim Card has been registered on the TimmyMe app, supports Apple devices running OS 6.0 or later and Android devices running OS 4.0 or later.

27. RBC RELEASES CANADIAN FACEBOOK MONEY TRANSFER APP

Source: MobilePaymentsToday (2013/12/12)

RBC Royal Bank of Canada has brought person-to-person money transfers to Facebook via an enhancement to its existing mobile app. The new service notifies recipients of the arrival of funds via Facebook and does not require their email address or a mobile phone number. RBC said it worked with Facebook to enhance its RBC Canada app to allow customers to send Interac electronic transfers to their contacts on Facebook Messenger. Interac e-Transfer, a Canadian online service enabling the transfer of money from one person's bank account to another person's bank account, is available through more than 200 financial institutions. RBC's new service allows RBC clients to select a friend or family member from their Facebook Messenger friend list, transfer the funds via Interac e-Transfer from their RBC bank account and send a message to the recipient.

The message will arrive in the recipient's Facebook Messenger inbox, directing them to log in to the financial institution of their choice to deposit the funds, as they would with existing Interac e-Transfer today. Facebook said it has 9.4 million daily mobile users in Canada. "We worked closely with RBC to make it easier for people to send person-to-person money transfers to contacts on Messenger," Jordan Banks, Facebook Canada's global head of vertical strategy and managing director, said in a statement. RBC will donate C\$1 for every Interac e-Transfer messaged via Facebook in support of Kids Help Phone, up to C\$100,000. Its new service is available on the iPad, with iPhone capability coming in February and other platforms later in the year. The RBC Canada app for iPads can be downloaded for free from the Apple app store.

RBC and Interac Association are members of ACT Canada; please visit www.rbc.com and www.interac.ca.



28. MASTERCARD IN GLOBAL NFC ALLIANCE WITH SAMSUNG

Source: MobilePaymentsToday (2013/12/12)

MasterCard has announced a global strategic partnership with Samsung that will enable MasterCard cardholders to load and store their card credentials on NFC-enabled Samsung mobile devices. Commonwealth Bank of Australia is the first bank to collaborate with MasterCard and Samsung to offer this service to customers. CBA has installed Mobile MasterCard PayPass within its CommBank app on the Samsung Galaxy S4's embedded secure element. CBA customers will be able to make NFC payments using their Galaxy S4 at the 220,000 contactless-enabled POS terminals in Australia and 1.6 million contactless terminals worldwide, MasterCard said in a news release. According to a MasterCard blog, Australia is the top MasterCard PayPass contactless payments market worldwide. Over the next year, MasterCard and Samsung plan to partner with other financial institutions and mobile networks to roll out NFC service deployments globally. Turkey, Russia and Ukraine will see launches in early 2014, MasterCard said.

The Samsung Galaxy S4 and Galaxy Note 3 are two of the more than 140 devices, including 32 Samsung smartphones and tablets, certified as part of the MasterCard PayPass Ready program launched in May 2012. Devices certified by MasterCard go through a rigorous testing process to ensure they are functionally reliable and interoperable.

MasterCard is a member of ACT Canada; please visit www.mastercard.ca.

29. MERCHANT LINK AND TENDER RETAIL JOIN FORCES TO REMOVE CARDHOLDER DATA FROM INTEGRATED POINT-OF-SALE SYSTEMS

Source: ACCEO (01/14)

Merchant Link is pleased to announce its alliance with Tender Retail (a division of ACCEO Solutions Inc). The companies will jointly offer a secure payment acceptance solution for integrated point-of-sale systems (IPOS). The joint offering eliminates card data from touching a merchant's IPOS or back office systems, and simplifies the EMV certification process for IPOS vendors. The combined solution facilitates acceptance of new forms of electronic payment without costly changes to the IPOS, and interacts with EMV capable customer-facing devices to prompt the consumer, request funds, manage error conditions and deliver completed transactions back to the IPOS. Transactions are encrypted at swipe to prevent malware from skimming cardholder data in-flight, and tokenized using format-preserving tokens, which allows merchants to continue to perform cardholder analytics on purchase data. With remote terminal management capabilities, the move to EMV can be dramatically simplified.



“Combining Tender Retail’s in-store capabilities in driving customer-facing terminals with our suite of cloud-based security services, we are able to remove the complexity and liability of electronic payment acceptance from our merchant and VAR partners. Our combined solution saves time and money for merchants and eliminates the need for a PA-DSS assessment for the IPOS. No credit card data is ever passed to the integrated point-of-sale, either in the clear or encrypted,” shared Geoff Krieg, Merchant Link’s Vice President of Product. “Tender Retail has a strong reputation and trust in the North American market and their product offerings are truly complimentary to those of Merchant Link’s,” Krieg further shared. Joey Vacarro, Tender Retail’s Vice President of Business Development and Strategic Alliances commented, “Together, Merchant Link’s TransactionVault and TransactionShield products, and the Tender Retail suite of electronic payment solutions combine to provide multiple layers of protection for merchants by never introducing any sensitive cardholder data to the POS environment. As more and more merchants struggle to strengthen security and to block hackers from gaining sensitive data, the focus on security has garnered much attention and traction. Working with Merchant Link to provide a comprehensive security solution makes total sense.”

ACCEO Solutions is a member of ACT Canada; please visit www.acceo.com.

30. GLOBAL PAYMENTS TO ACQUIRE PAYPROS

Source: Global Payments (01/24)

Global Payments Inc. announced an agreement to acquire Payment Processing, Inc. (PayPros). PayPros, based in California, is an innovative provider of fully-integrated payment solutions for 58,000 small-to-medium sized merchants in the United States. PayPros delivers its products and services through a network of over 1,000 technology-based enterprise software partners to vertical markets that are complementary to the markets served by Accelerated Payment Technologies, Inc., a Global Payments company since October 2012. Global Payments' President and CEO Jeffrey S. Sloan said, "Our acquisition of PayPros will expand our direct distribution, add new vertical markets, accelerate growth in our largest geography and further enhance our existing integrated solutions business with the addition of PayPros' talented team."

Chuck Smith, Founder and CEO of PayPros, added, "I am very pleased to announce this partnership with Global Payments. This transaction is the culmination of nearly two decades of hard work and vision at PayPros. I am confident that Global Payments will be a fantastic partner for our customers and employees." "We are very excited to be joining the Global Payments team. The strength of Global Payments' distribution combined with our differentiated service offering will accelerate value delivery to our partners and provide opportunities for growth over the long-term," said PayPros President, Eddie Myers. Under the terms



of the agreement and pending regulatory approvals and customary closing conditions, Global Payments will pay \$420 million in cash to acquire PayPros, inclusive of tax assets. The transaction is expected to close by the end of Global Payments' 2014 fiscal year. PayPros' calendar 2013 annual revenues are anticipated to be approximately \$100 million. Global Payments will provide further details when the transaction closes.

Global Payments is a member of ACT Canada; please visit www.globalpaymentsinc.com.

31. INSIDE SECURE ACHIEVES NEW LEVEL OF SECURITY FOR ENTERPRISE APPLICATIONS IN SMARTPHONES

Source: INSIDE (01/16)

INSIDE Secure announced it has upgraded its SafeZone FIPS software cryptographic module to improve security for a broad array of smart connected devices. INSIDE's enhanced SafeZone cryptographic software enables developers for the first time to build FIPS 140-2 certified applications for Trusted Execution Environments (TEE) based on ARM TrustZone frameworks. Now able to operate in a Trustonic <t-base TEE, the SafeZone FIPS cryptography module— together with SafeZone security toolkits for protecting content, data at rest and data in motion—provides the high level of assurance needed to allow smart connected devices to perform high-value transactions with trust for the mobile enterprise, mobile banking and payments or entertainment and premium content service applications.

“As smart connected devices are increasingly used in the enterprise for more high-value applications, we see trusted platform TEEs such as those provided by Trustonic becoming increasingly important as a way to provide a secure environment to protect these applications and sensitive enterprise information and communications,” said Simon Blake-Wilson executive vice president for the Mobile Security division at INSIDE Secure. “Using platforms with our FIPS-certified solution, developers can avoid the lengthy and expensive FIPS validation process and get their product to market more quickly. And, by using our pre-validated module, they can meet current and future security requirements without having to pull valuable resources from their core competency.” A TEE isolates sensitive operations on smart connected devices from the standard, general-purpose, operating system, providing a safer execution environment for these applications to run within. TEEs have already been deployed in more than 100 million devices, and many popular smartphones now incorporate TEE technology. INSIDE has worked in close cooperation with Trustonic to ensure that its SafeZone FIPS cryptography module and toolkits integrate with the Trustonic <t-base TEE to provide FIPS- compliant operations within that framework for smart connected devices. “INSIDE's achievement in delivering technology to accelerate



FIPS-compliance with a trusted execution environment demonstrates their leadership and marks an important milestone for the industry in assuring trust in smart connected devices,” said Jon Geater, CTO of Trustonic. “Standards like FIPS provide stakeholders with confidence that a product will perform as intended, and play an important role in driving the acceptance of new technologies, especially when dealing with trusted services.”

As more and more industries involved in critical infrastructure and other sensitive systems become targets of cyber attacks, they have come under increasing pressure to implement and deploy applications, devices and communications networks that offer greater resistance to attack, in line with government mandates, regulations and recognized standards. FIPS 140-2 certification has become globally recognized as providing a sufficient level of security for a broad range of high-value applications, and is being widely adopted around the world for commercial, government and defense applications. With a broad portfolio of FIPS-certified embedded hardware and software solutions, INSIDE is able to help customers reduce project cost, complexity, risk and time to market. INSIDE is a globally recognized expert in standards and cryptography, and delivers proven integrations, extensive documentation and experienced developer-level technical support for the leading mobile devices and client- and server-side operating systems. INSIDE puts technologists on the most efficient development path, and has helped many equipment manufacturers significantly cut product development time.

INSIDE Secure is a member of ACT Canada; please visit www.insidesecond.com.

32. NBS TECHNOLOGIES PARTNERS WITH IDENTISYS LTD. OF KENYA TO PROVIDE EMV/CHIP CARD ISSUANCE SOLUTIONS IN KENYA

Source: NBS Technologies (12/09)

NBS Technologies Limited and Identisys Ltd of Kenya announced they have entered into a partnership to provide EMV/chip card instant issuance solutions. This affiliation will help bring the Kenyan banking industry into a position to attract additional customers and will improve efficiencies in existing and new card programs. NBS will be working closely with Identisys Ltd. to implement and support EMV card issuance solutions for the Kenyan banking industry. Identisys Ltd. is known in the Card Solution industry for providing ID card solutions, ATM cards and number of card personalization solutions. “We are very excited to work with NBS Technologies Limited,” said Raju Chana, Group Managing Director, Identisys Ltd. “Teaming up with NBS Technologies to provide Instant Issuance EMV Solutions is an exciting development for our company.” “Identisys Ltd. is an ideal partner for us in Kenya and this agreement demonstrates their dedication to this partnership and reflects our desire to collaborate with companies that share our vision and dedication to service. Identisys’ support of multiple EMV/chip card configurations



and chip types through NBS software and hardware demonstrates their commitment to their customers and market”, said Thomas Jorgensen, Managing Director of NBS Global Software Division.

NBS Technologies is a member of ACT Canada; please visit www.nbstech.com.

Entering our 25th year, ACT Canada has been the internationally recognized authority in the market. As the eyes, ears and voice for stakeholders focused on secure payment, mobile, NFC, loyalty, secure identity, and leveraging EMV, we promote knowledge transfer, thought leadership and networking. We help members protect their interests, advance their causes, build their business and grow the market. We take a neutral and non-partisan approach to all issues, facilitating collaboration among issuers, brands, acquirers, merchants, regulators, solution providers, governments and other stakeholders. Over 50% of our members have been with us for more than 5 years, enjoying ongoing value from their affiliation with ACT Canada. Please visit <http://www.actcda.com> or contact our office at 1 (905) 426-6360.

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