Welcome to the **August** 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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ACT Canada Partners

INGENICO - *Point of Sale Equipment Partner*
Ingenico Group is the global leader in seamless payment, providing smart, trusted and secure payment solutions to empower commerce across all channels, in-store, online and mobile. With the world's largest payment acceptance network, we deliver secure solutions with a local, national and international scope in 125 countries. For over 30 years, we have been the trusted world-class partner for financial institutions and for retailers, ranging in size from small merchants to several of the world's best known global brands. Our smart terminal and mobile solutions enable merchants to simplify payment and deliver their brand promise.

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.

New and Renewing Members

General Members
Collabria Financial ~ new member
Elavon Canada Inc. ~ member since 2013
LoyaltyOne Inc. ~ member since 2008

Government Observer
Ontario Ministry of Economic Development, Employment and Infrastructure (MEDEI) ~ new member 2015

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

Tomorrow's Transactions Annual Unconference - Toronto
September 8, 2015
http://www.eventbrite.co.uk/e/tomorrows-transactions-annual-unconference-toronto-tickets-17776951340

ACT Networking
September 15, 2015
Toronto, ON
Open to ACT members and invited guests
http://www.actcda.com/calendar/act-canada-events/active-networking.html#cid=1024&wid=1101

eID Conference 7th edition
September 28-29, 2015
Washington, DC
https://www.eidconference.org/

GlobalPlatform Presents the Trusted Execution Environment (TEE): Next Generation Mobile Security for Today and Tomorrow
October 13, 2015
Santa Clara, CA
http://www.teeseminar.org/

Money2020
October 25-28, 2015
Las Vegas, NV
http://www.money2020.com/
ACT members receive a registration discount

GSMA Mobile 360 Series
October 27-29, 2015
Atlanta, GA
http://www.mobile360series.com/north-america/?gclid=COnY1Y_ewscCFQEaaQodJ6oDeQ
ACT members receive a registration discount

Cardware Connections, ACT Canada AGM and IVIE Awards Gala
November 9, 2015
Toronto, ON
http://www.actcda.com/calendar/act-canada-events/ivie-gala.html#cid=1024&wid=1201
ACT members receive a registration discount

TRUSTECH, formerly Cartes Secure Connexions
November 17-19, 2015
Paris, France
http://www.cartes.com
ACT members receive a registration discount

Nominations for the annual IVIE awards are now open - nominate the innovators you feel deserve recognition for the following awards:

- Champion's Award
- Founders' Lifetime Achievement Award
- Canadian Innovation Award - in the categories of Payment, Secure ID or Other applications
- International Innovation Award - in the categories of Payment, Secure ID or Other applications
- Sonja Halvorson Memorial Award
- Most Innovative Organization Award - NEW THIS YEAR

To review the criteria for each award, please visit *http://www.actcda.com/ivie-awards-nomination-process.html* or *download the Awards Overview*.

To complete the nomination form, please review the awards nomination criteria, and then visit *https://www.surveymonkey.com/s/2015_IVIE_Awards*.

Please note that all nominations are due online before 5pm (EST) on Friday, September 18, 2015.

September
- ACT launches its new member networking event – Join us for ACT Networking on September 15th - *http://www.actcda.com/calendar/act-canada-events/active-networking.html#cid=1024&wid=1101*

- Catherine Johnston will chair a panel at the MAG (Merchant Advisory Group) conference in San Antonio

October
- ACT Canada goes across Canada to deliver closed door briefings for members and meet with stakeholders in the following cities:
  o Vancouver – October 13 - member briefing from 9-11am & 1-3pm; non-member briefing from 3:30-5:00pm
  o Calgary – October 15 - member briefing from 9-11am & 1-3pm; non-member briefing from 3:30-5:00pm
  o Ottawa – October 20 - member briefing from 9-11am & 1-3pm; non-member briefing from 3:30-5:00pm
  o Montreal – October 22 - member briefing from 9-11am; non-member briefing from 5-7pm
- For details and how to register, please visit *http://www.actcda.com/calendar/act-canada-events/fall-tour.html*
- Meet with Catherine and Andrea at Money 2020

November
- Our annual AGM, Cardware Connections and IVIE awards will be held on November 9th in Toronto. Registration and sponsorship opportunities are available at *http://www.actcda.com/calendar/act-canada-events/ivie-gala.html#cid=1024&wid=1201*

Articles

1. EDITORIAL - TIME WARP IN PAYMENT
Source: Catherine Johnston, President & CEO, ACT Canada (07/29)

I can never quite decide whether time is flying by or just crawling. In payment things seem to change so quickly. Just think about what has entered the market in the past few years. HCE, IoT, TEE, P2PE, DCC and I suspect a lot of other acronyms. I'm relieved that wearables haven't been reduced to being called WEA.

On the other hand, it seems that some things have taken a long time. Those DVDs you enjoy are based on a technology invented before World War 2. It first came to market called optical disc, designed to let big companies store and retrieve a lot of information. It was a viable use for the technology, but there wasn't a very profitable market. The technology resurfaced as CDs with music. Bingo – that was profitable. It then morphed into DVDs for movies. Over 60 years have passed since the technology was invented but it wasn't until 1982 that it found its market, as Abba's "The Visitor" was released.

In 1992, Cartes Bancaire converted their payment cards to chip, 35 years after the technology was first invented, even though the early chips weren't that smart. Now, 23 years later, we are still waiting for the US and China to finish their conversions. It wasn't until fraud became an uncontrollable problem that we moved from mag stripe to chip. Mobile commerce, by these standards, is on track. There are claims that the first mobile phone was developed in 1908 (yes – 1908) but realistically it can be said that the first handheld came out in 1973. It has found many profitable uses ranging from enabling mobile phone calls, to cameras to internet browsers. When it finds a niche for payment in the market, one that drives profitable revenue, it too will "fly" into the market.

Does it always take 50 or more years for a technology to live up to its potential? Definitely not. Every technology can get there as soon as someone figures out how to use it to make money. So when people ask you to invest in something, they better be able to tell you how it will make money and when!

2. SAMSUNG PAY SETS U.S. DEBUT FOR SEPT. 28, WITH A ONE-MONTH TRIAL STARTING AUG. 25
Source: Digital Transactions, by Kevin Woodward (08/13)

Samsung Electronics Co. Ltd. says its Samsung Pay mobile-payment service, which uses near-field communication and a radio-frequency version of magnetic-stripe data, will debut Sept. 28 in the United States. Some consumers with some Samsung smart-phone and tablet models will be able to participate in a test set to begin Aug. 25. Announced in March following Samsung's acquisition of LoopPay Inc., developer of the magnetic-stripe radio-field technology, Samsung Pay aims to put the handset maker in direct competition with Apple Inc.'s Apple Pay, PayPal Holdings Inc., and expected offerings from Google Inc. and the Merchant Customer Exchange. Google's Android Pay could arrive this year, and MCX's CurrentC wallet is expected to begin broader testing this month.

In-store mobile payments have been buoyed by last fall's introduction of Apple Pay, with one forecast predicting Apple Pay transactions will top $22.4 billion in 2016. Samsung hopes the inclusion of magnetic-stripe radio-field technology, which it labels Magnetic Secure Transmission, will give it an edge. MST technology enables consumers to make contactless payments by wirelessly transmitting card data to the point-of-sale terminal. The signal emulates the magnetic-field change that occurs when a mag-stripe card is passed through a reader. "We are partnering with card networks, issuers, and acquirers, and Samsung Pay will also be the first to support contactless payment for store-branded credit cards," InJong Rhee, Samsung Electronics executive vice president and global head of Samsung Pay, said in a press release. "The list of partners will only grow." Samsung Pay will be preloaded on select Galaxy S6 edge+ devices and Galaxy Note5 devices, with a free software upgrade available in mid-August to enable Samsung Pay on Galaxy S6 and S6 edge devices.

3. NYMI, MASTERCARD, TD BANK LAUNCH PILOT AUTHENTICATING
CREDIT-CARD PAYMENTS WITH A HEARTBEAT
Source: CardNotPresent.com (08/13)

Nymi, a Toronto-based technology provider, launched a pilot test of a wristband that can make contactless credit-card payments authenticated using the wearer's heartbeat. The company launched in November with several Canadian banking partners, but TD Bank, which was not aboard at the time, according to Shawn Chance, vice president of marketing and business development at Nymi, is the one involved in the initial test. More than 100 TD employees will be involved in testing the band, which uses an electrocardiogram captured by sensors on the wrist and a finger touch from the opposite hand on the top of the band. Once a user has been validated, the authentication is persistent; that is, they remain authenticated until the band is removed, so no additional authentication factor (e.g., a password, PIN, signature, etc.) is necessary.

The pilot, which enables MasterCard payments, is taking place in three Canadian cities. And, while the company has its eye on expanding into the U.S., Chance told CardNotPresent.com, the payments landscape is very different in other markets, making Canada a good proving ground. "The existing contactless payment infrastructure in Canada covers about 90 percent of retailers," Chance said. "Because it's so advanced here, it made sense to test here. Once these pilots wrap up toward the end of the year and we've learned more, we'll be looking at other markets to see if it makes sense to launch similar or bigger pilots there." Between now and the end of the year, other banking partners will launch their own pilot tests. By that time, Chance said, several thousand contactless payments using the band will have been made.

MasterCard and TD Bank are members of ACT Canada; please visit www.mastercard.ca *and* www.td.com.

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4. UNIONPAY INTERNATIONAL JOINS HANDS WITH SMARTONE TO
LAUNCH SOUND WAVE PAYMENT FOR THE FIRST TIME IN HONG KONG
AND MACAO
Source: UnionPay (08/06)

UnionPay International and SmarTone jointly declared that UnionPay International would provide UnionPay cardholders with mobile sound wave payment for the first time. On the same day, SmarTone rolled out the Kiss mobile wallet. Consumers in Hong Kong and Macao can bind their UnionPay credit cards (card number starting with 62) with Kiss wallet and then enjoy the brand-new sound wave payment experience in many local shopping malls. As one of the most powerful telecom operators in Hong Kong, SmarTone has more than 1,000,000 quality mobile phone users and UnionPay International values innovative payment. As a rapidly growing international payment brand, UnionPay has the largest

number of cardholders and is applying new technologies to provide cardholders with more exciting card use experience. SmarTone makes UnionPay the exclusive bank card for the Kiss wallet as it values the large cardholder base in the mainland, Hong Kong and Macao and the brand influence of UnionPay. So far, more than 20,000,000 UnionPay cards have been issued in Hong Kong and Macao.

From now on, the consumers in Hong Kong and Macao can enjoy the brand-new sound wave payment experience via Kiss wallet by downloading Kiss wallet into mobile phones, displaying ID card and UnionPay credit card in the business hall of SmarTone, and completing the application form to bind the card. The service is available for cardholders in Hong Kong and Macao and will extend to Chinese mainland cardholders.

When using the sound wave payment function of Kiss wallet, consumers place their mobile phones at the Kiss terminals of merchants and the mobile phone will play sound wave. The Kiss terminal identifies the sound wave and the payment is completed. The transaction receipt is sent to the mobile app automatically as well. The sound wave payment is adopted mainly based on two factors: Firstly, the sound wave payment is applicable for any kind of smart phones, supporting both iOS and Android mobile operation systems. Secondly, regarding experience of clients, the sound wave payment is close to the contactless experience, more convenient and secure compared with two-dimension code scanning and exempted from the limitation of WiFi or communication network. Kiss wallet is said to be strongly supported by Sun Hung Kai Properties, a major shareholder of SmarTone. As Sun Hung Kai Properties owns many large-scale shopping malls, it will enable the initial acceptance of Kiss wallet by a batch of shopping malls frequently visited by local residents which are located at Causeway Bay, Tsim Sha Tsui and Mong Kok. In addition to the mobile phone payment, Kiss wallet can provide such value-added experience as merchant information, preferential rebate and points deduction.

It is very convenient to use UnionPay cards in Hong Kong and Macao, where almost all ATMs and POS terminals accept UnionPay cards. Based on complete acceptance environment and abundant product system, Hong Kong and Macao have become the experimental fields of UnionPay innovative payment. As contactless micro payment and merchant RMB clearing business are launched in Hong Kong for the first time, progress in the mobile payment field is also accelerated. The introduction of sound wave payment shows that UnionPay International is accelerating business expansion and planning of innovative payment.

UnionPay is a member of ACT Canada; please visit www.unionpay.com.

5. DEBIT NETWORK ALLIANCE SELECTS GEMALTO TO GUIDE EMV DEPLOYMENT STRATEGY FOR U.S. DEBIT CARD ISSUERS
Source: Gemalto (08/13)

Gemalto has been selected by the Debit Network Alliance1 (DNA), a consortium of leading U.S. debit network providers, to deliver EMV consulting services. Gemalto's EMV Allynis Consulting Services are designed to accelerate the deployment of EMV, significantly reducing time between DNA's business plan and go-to-market. Gemalto's consultants recommended and executed a strategy that details card, terminal and personalization requirements. "Gemalto provided us with a comprehensive consulting program to validate our DNA AID specification for market readiness," said Paul Tomasofsky, executive director of the Debit Network Alliance. "Gemalto's EMV expert review of our specification enabled us to confidently move forward in our deployment efforts."

With annual costs of card fraud in the U.S. alone estimated at $8.6 billion per year2, EMV will bring a substantial reduction in fraud from point-of-sale (POS) to counterfeit cards. Gemalto consulting experts work with financial institutions to determine the debit or credit chip card profile that meets their current needs. To simplify the transition process, Gemalto also provides EMV card issuance and fulfilment services thanks to its large EMV footprint in the U.S.

"Our consulting experts have provided their services to over 150 institutions in 54 countries and are able to go beyond card migration, working with customers to outline their business and technology considerations for other forms of payment such as contactless and mobile," said Bertrand Knopf, Senior Vice President of Secure Transactions for North America at Gemalto. "Based on our experience in hundreds of global chip deployments and issuance of over three billion EMV cards, we were able to provide DNA with a validation that their solution is market ready."

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

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6. CREATING NEW OPPORTUNITIES IN CANADIAN PAYMENTS: CPA SEEKING FEEDBACK ON ITS ISO 20022 PAYMENTS STANDARD INITIATIVE
Source: Canadian Payments Association (08/10)

The CPA has launched a multi-year initiative to modernize Canada's core payments infrastructure which will ultimately use a new internationally recognized payment messaging standard – ISO 20022. But ISO 20022 is more than just a technical standard. It's a business tool with which the CPA is creating new possibilities in Canadian payments. Our vision of ISO 20022-enabled payment messages will bring tangible results for all payment system users, from financial institutions to businesses, governments and consumers:
-   Payment messages will carry enhanced remittance information;

- Increased end-to-end straight-through processing and automated reconciliation;
- Greater interoperability in both domestic and global markets;
- A common "payments language";
- Reducing the number of payment standards used in Canada today, and the costs of managing these standards;
- Efficiencies in managing/supporting payment systems;
- Opportunity for innovation and competition amongst financial institutions; and
- New value-added services.

We are eager to leverage the full potential of the ISO 20022 payments standard for the benefit of Canadians. But to do so, we need your input.

Have your say

The CPA is conducting this public consultation to generate feedback from all Canadian payment system stakeholders on the ISO 20022 Payments Initiative and any future impacts and benefits. Input will assist us in finalizing the proposed payment messages, policies and adoption strategy for ISO 20022 Automated Funds Transfer (AFT) payments, and ultimately the ISO 20022 payments standard for use in Canada. Responses to the consultation questions and any additional questions, comments or suggestions should be provided to the CPA in writing via ISO20022@cdnpay.ca. An optional response template is available for your convenience. Your feedback is welcome and will be accepted during the following consultation period: August 10, 2015 to September 30, 2015. Canadian corporates are also invited to complete the CPA ISO 20022 Survey for Corporates.

Canadian Payments Association is a member of ACT Canada; please visit www.cdnpay.ca*.*

7. AIR MILES GIVES CANADIANS A NEW WAY TO PAY IT FORWARD
Source: LoyaltyOne (08/06)

Just in time for back-to-school, the AIR MILES Reward Program is teaming up with its Partners – some of Canada's most trusted and beloved brands – to launch a new initiative that celebrates and gives back to children's causes. Beginning on August 6, 2015, AIR MILES will launch the Better Bonus Event, which will give Canadians the opportunity to support children's causes across Canada, just by doing their everyday shopping. For every Bonus Mile a Collector gets using their Better Bonus Event coupons, AIR MILES will match that Mile, up to 10 million Miles and donate to children's causes nationwide. As part of the initiative, Collectors can not only get a substantial number of Bonus Miles, which they can use for merchandise, experiences and more but will also have the opportunity to win one of four prizes that includes 50,000 Miles plus an additional

50,000 Miles that goes towards the charity of the Collector's choice. The Event is scheduled to run throughout the back-to-school shopping season, until September 6, 2015.

"AIR MILES is dedicated to giving back to our communities, and we are proud to help our Collectors be the catalyst for this kind of positive change," said Rachel MacQueen, Vice President, Marketing, AIR MILES Reward Program. "Together with our Partners, this new program will give Collectors a simple, but powerful way to give back to the children's causes doing great work in their own communities." "We are excited to be included in the Air Miles Better Bonus Event. It gives Canadians a unique opportunity to support the young people we mentor, simply by shopping at Air Miles partner locations." said Karen Shaver, Interim President & CEO, Big Brothers Big Sisters of Canada.

Select AIR MILES Partners have chosen causes that support children. This Event gives Canadians the opportunity to show their support for children's causes by shopping at the following participating Partners:
- Collectors who shop at Staples, Old Navy, Pharmasave, The Children's Place, AIR MILES Shops, Hilton, Marlin Travel, Transat Travel, Club Voyage, Voyages Transat, Rogers, Timbermart, Primus, United Van Lines, Budget, Kent, Good Year, Fountain Tire, Co-Op Atlantic, Nettoyeur Daoust, Craftsman, Irving, IRIS, Manitoba Liquor Mart, and online at Hearing Life Canada, Listen Up Canada and Independent Pool will be supporting Big Brothers Big Sisters of Canada
- Collectors who shop at Sobeys, Safeway, Foodland and IGA (Ontario and Western Canada), will be supporting the Sobeys Inc. Better Food Fund and their partners such as Free The Children and the Home Cook Heroes program
- Collectors who shop at Rexall will be supporting the Rexall Foundation
- Collectors who shop at Metro will be supporting the Green Apple School Program
- Collectors who shop at Lawtons Drugs will be supporting The Children's Wish Foundation of Canada
- Collectors who visit Shell will be supporting United Way Centraide
- Canadians believe in charitable giving, with a generous majority (90%) of the Canadian population planning to donate to charities this year1. AIR MILES is dedicated to helping support this spirit by offering rich Bonus Offers.

LoyaltyOne is a member of ACT Canada; please visit www.loyalty.com.

8. VISA AND STRIPE PARTNER TO EXPAND ONLINE COMMERCE GLOBALLY
Source: Visa (07/28)

Visa Inc. and Stripe, a mobile and online payment provider, announced a strategic partnership to support new technologies and online payment experiences for merchants, developers and consumers worldwide. Through this relationship, Stripe will accelerate its international expansion, particularly in emerging markets, accessing Visa's global footprint through its acquiring and issuing partners. To support this growth and joint long-term initiatives, Visa has also made a strategic investment in Stripe. Working together, the companies will enable a global payments solution for new ecommerce experiences like "buy buttons" and new innovations to come. Stripe will also be one of the first beta partners to connect to Visa's network capabilities via APIs and SDKs, offering their developer community access to payment and risk management services, Visa's tokenization service and security technologies. With this joint effort, Visa and Stripe will offer an expanded set of capabilities to the developer community and the payment ecosystem worldwide.

"Given the explosive growth of new commerce experiences enabled by a global developer community, Visa is expanding its strategic relationships across the payments ecosystem," said Jim McCarthy, executive vice president, innovation and strategic partnerships, Visa. "We are very excited to work with Stripe and leverage our combined assets to broaden our offering to new types of merchants and developers globally." "Stripe aims to give developers the tools they need to create the most secure and novel buying experiences," said Patrick Collison, CEO and co-founder of Stripe. "Our partnership with Visa will accelerate our ability to expand to markets around the world, and give developers even more control over the end-to-end experience. We're very excited about the potential."

Visa is a member of ACT Canada; please visit www.visa.ca.

9. CANADIAN TIRE ADDS DIGITAL NOTES TO ITS BRICKS-AND-MORTAR PLAYLIST
Source: IT Business, by Christine Wong (07/29)

At a time when many retailers are downsizing stores or going completely virtual, Canadian Tire is trying to weave some digital reinforcement into the foundations of its physical stores without shutting them down. "Retail is no longer bricks-and-mortar, it's omni-channel," said TJ Flood, senior VP of marketing at Canadian Tire during a retail sector event hosted by Google Canada in Toronto. Flood then detailed the ways Canadian Tire is attempting to capitalize on the growing role of digital technology in shopping. Although it lagged behind competitors in getting onboard e-commerce, Canadian Tire now allows customers to buy goods online. Shoppers can use its mobile app to find the exact location of

items inside the stores. A digital version of Canadian Tire money can be collected and redeemed via a loyalty card or mobile app. And geotargeting technology notifies Canadian Tire customers via their phones how close they are to the nearest store, driving directions to get there and how many Canadian Tire loyalty points they have.

In May, the retailer opened Digital Garage, its second innovation lab in the Kitchener-Waterloo, Ont. area to house the development of apps as well as new in-store and online technologies. That follows last year's opening of Cloud Nine, a 28,000-sq.-ft. data centre, development and testing lab in Winnipeg that boosted Canadian Tire's computing power by 20 times and its network bandwidth by 10 times. It's all part of a plan outlined by CEO Michael Medline at the firm's last annual general meeting "to establish Canadian Tire as a world-class leader in innovation and digital," a goal he dubbed his "single biggest priority." Canadian Tire focuses on young, active families whose lives have become incredibly busy, Flood told the Toronto audience. "Their shopping habits have changed dramatically and become much more mobile," Flood said. "We have to figure out how to accommodate that busy schedule."

While digital is playing a bigger role in accommodating those busy customers, the company isn't ready to ditch some of the more traditional aspects of its strategy just yet. Rather than downsizing stores or closing them down, Canadian Tire is actually boosting its physical retail capacity by 400,000 square feet after buying out leases on 12 former Target Corp. spaces in Canada for $17.7 million. In June, the company also opened the doors to its largest ever store, this one measuring a monster 140,000 square feet. Although the mega-store features virtual reality simulators so shoppers can test drive tires and design their perfect backyard patio, its sheer size sticks out in a retail landscape that increasingly caters to online rather than in-store purchasing. "(Families') shopping habits have changed dramatically and become much more mobile," says TJ Flood, senior VP of marketing at Canadian Tire.

While Canadian Tire is embracing new digital trends, it does so while incorporating them with more traditional approaches. Exhibit A: although customers can purchase items directly from the Canadian Tire website, they still have to pick them up from their nearest store because the chain doesn't offer delivery. It may seem antiquated in an era when Amazon is testing delivery via drones, but Flood said 'click-and-collect' is convenient for shoppers because most live close to a Canadian Tire store. "One of our biggest strengths for Canadians is that we're accessible. We've got 490 stores around the country. About 90 per cent of the population lives within a 15-minute drive of a Canadian Tire. So it allows us to offer the folks who love to shop at Canadian Tire another way to shop at Canadian Tire."

Exhibit B: while many retailers leave it to customers to post their own product reviews online, Canadian Tire has assembled an army of 15,000 Canadian

consumers (unpaid volunteers, no less) to really put its products through the wringer. Only products rated highly by these testers nab Canadian Tire's Tested For Life in Canada seal of approval. Customers can still post regular online reviews but the testing boosts trust in digital ratings during an age when online anonymity has somewhat eroded it, Flood said. "Given the migration to a digital environment, authenticity is massive," he said. "If you see a product with a Canadian Tire Tested For Life badge on it, it's because real Canadians have tested it and given it a four- or five-star rating."

The retailer's reluctance to abandon bricks-and-mortar stores (and retire its remaining paper money featuring that Sandy McTire character) both complemented and contrasted with new research presented by Google at the event:
- the number of shopping searches coming from smartphones has jumped by 115 per cent during the past year globally
- 38 per cent of Canadians report having made a purchase in their kitchen
- 24 per cent have made one from their car
- 70 per cent of Canadian smartphone users consult their phones while in a store; one-fifth of those users watch a video related to their purchase
- 70 per cent of Canadians who watch online video watch it prior to making a purchase

Canadian Tire is a member of ACT Canada; please visit www.canadiantire.ca.

10. GLOBALPLATFORM AND CHINA'S TELECOMMUNICATION TERMINAL TESTING TECHNOLOGY ASSOCIATION COLLABORATE TO DRIVE ADOPTION OF TEE STANDARDS
Source: GlobalPlatform (08/05)

GlobalPlatform has signed a Memorandum of Understanding (MoU) with China's Telecommunication Terminal Testing Technology Association (TAF), enabling the bodies to align their work efforts to advance interoperable and standardized mobile device security worldwide. TAF is a Chinese non-profit member organization comprised of service providers, smartphone and chipset manufacturers. It was founded by GlobalPlatform Full Member China Academy of Information and Communication Technology (CAICT), and facilitates the functional testing, compliance activity and sourcing of security technology for the telecommunications market.

Through the collaboration, GlobalPlatform will support TAF's adoption of an internationally standardized trusted execution environment (TEE) based on GlobalPlatform's Specifications. Using insight provided by TAF into the security requirements of the Chinese telecoms market, GlobalPlatform will determine if extensions are required to its TEE Specifications to meet the needs of Chinese stakeholders. The bodies will also explore certification process alignment. The

TEE is a secure area of the main processor in a smartphone (or any connected device) which ensures that sensitive data is stored, processed and protected in an isolated, trusted environment. It addresses the needs of most applications by offering a higher level of security than a Rich OS and greater functionality than the secure element (SE).

"We are excited to partner with GlobalPlatform and to contribute to its efforts to develop an open and interoperable secure infrastructure," comments Xie Yi Ph. D, President of TAF. "I am confident that this collaboration will support the development and deployment of secure technologies, like the TEE, which address the security requirements of the key markets around the world in a consistent and standardized way." "China is facing the same challenges as many markets around the world; sensitive services are moving to smartphones and greater security is needed," comments Gil Bernabeu, Technical Director of GlobalPlatform. "TAF and CAICT are looking to offer greater protection to smartphone users by adopting and contributing to an international standard. "GlobalPlatform Specifications are constantly being enhanced and this partnership will ensure alignment between the standardized TEE infrastructure developed by GlobalPlatform and a market where smartphone development and innovation is progressing rapidly."

GlobalPlatform is a member of ACT Canada; please visit www.globalplatform.org.

11. REPORT: MOBILE ABANDONMENT IMPROVING, BUT STILL SIGNIFICANT
Source: CardNotPresent.com (08/20)

While 56 percent of smartphone owners say they have abandoned an e-commerce transaction on a mobile device, that number is down from two years ago when two-thirds said they had done the same, according to a new report from mobile authentication technology provider Jumio. The survey, conducted for Jumio by Harris Interactive, found purchase uncertainty to be the top reason for abandonment (identified by 45 percent of respondents), but usability issues closely followed with 36 percent indicating slow loading times forced them to abandon a purchase while 31 percent said it was too difficult to navigate the checkout process. Despite the decrease in abandonment, Jumio said businesses still are leaving nearly $25 billion on the table.

"As mobile transactions continue to skyrocket, so do abandoned purchases, incomplete account openings, and lost revenue," said Marc Barach, chief marketing officer at Jumio. "Businesses have heeded the warning and are finally prioritizing mobile checkout experiences, underscored by the ten percent improvement in abandonment rates over the last two years. But, experiences are still far from being as seamless as they need to be." Of consumers who reported abandoning a purchase, 66 percent said they tried again later. Thirty-six percent

of those attempts came on a desktop, while 23 percent tried again on a smartphone and only 7 percent said they tried for the second time on a tablet.

12. INGENICO GROUP'S SEMI-INTEGRATED PAYMENT SOLUTION HELPS MERCHANTS AND PARTNERS EASE PCI COMPLIANCE AND EMV MIGRATION
Source: Ingenico (08/03)

Ingenico Group announced that its Telium Semi-Integrated (TSI) payment solution provides an easy path for point-of-sale (POS) providers and other ISVs/VARs to start enabling EMV payments. Ingenico Group has been working with partners for years on Semi-Integrated offerings, and has used that expertise to create a flexible integration toolkit to simplify the process of developing these solutions. Semi-Integrated payment solutions limit communications between the PINpad and POS system to non-sensitive exchanges, preventing card data from entering the POS – instead, it is encrypted and routed directly from Ingenico Group's smart terminal to the merchant's card processor or gateway. Taking the POS out of the payment flow improves security and simplifies the EMV certification and PCI compliance processes. It can also reduce the costs of enabling EMV acceptance.

Ingenico Group provides a flexible, processor and gateway-agnostic approach, suitable for small to large merchants, with Basic and Enterprise options. Both provide partners with the tools to develop their own semiintegrated offerings with a range of Ingenico Group smart terminals to best support their business needs. TSI Basic is a turnkey solution that leverages Ingenico Group's pre-certified connections to major acquirers and gateways. TSI Enterprise goes a step further and enables the POS to maintain an unprecedented level of control over the terminal, managing functionality such as on-screen prompts and signature capture. With Ingenico Group's TSI, partners are empowered to focus on building their core product and can integrate payment with their tablet POS or desktop applications using Ingenico Group's cross platform SDK – for iOS, Android, Windows, and Linux. iMobile3 is the first custom application developer to integrate with TSI and is demonstrating its tablet POS platform at the Ingenico Group booth #725 at RSPA RetailNOW.

Key benefits:
- Streamlines EMV migration & certification
- Improves security by eliminating sensitive data from the POS
- Simplifies PCI compliance by reducing the cardholder data environment
- Flexible approach with 2 options – TSI Enterprise & TSI Basic
- Processor- and gateway-agnostic

"With Ingenico Group's pre-certified payment applications, partners don't have to worry about dealing with the complexities of payment and instead can focus on

their core business," said Gregory Boardman, Chief Technology Officer for Ingenico Group, North America. "Interest in these solutions is strong, particularly amid the transition to EMV as retailers are rethinking their existing POS posture and seeking to reduce PCI scope." "We chose to partner with Ingenico Group because its customizable solution offers a quick path to accepting EMV and NFC/contactless/Apple Pay through the flexibility of the cross platform mobile SDK," said Bob Leonard, CEO of iMobile3. "With Ingenico's Telium Semi-Integrated solution, we were able to get to market quickly and offer our customers a way to avoid the EMV certification bottleneck – the backlog of ISVs and merchants simultaneously looking for processor certifications – with a fully PCI-DSS certified tablet POS platform ideally suited for multi-unit operating merchants."

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

13. MARS ANNOUNCES FINTECH PARTNERSHIP WITH INTERAC
Source: Interac (08/18)

MaRS Discovery District announced a new strategic partnership with Interac Association and Acxsys Corporation ("Interac"), the organizations behind Interac, Canada's leading payment brand. Interac is joining MaRS' Financial Technology ("FinTech") cluster to connect with leading startups developing next-generation technology in emerging payments, peer-to-peer transactions, alternative lending and crypto-currencies. "The participation of Canada's largest debit payment organization in MaRS FinTech cluster will further strengthen Toronto's leadership as a global hub for financial services innovation," said Adam Nanjee, Head, MaRS FinTech. "Through their expertise, Interac can offer our startups valuable perspective on the Canadian and global payments industries."

As part of MaRS FinTech, Interac will work with MaRS' growing community of financial technology entrepreneurs and collaborate with them on new technologies in emerging payments and transactions. "As Canada's domestic debit brand, we are excited to strengthen our commitment to home-grown innovation through our partnership with MaRS," said Mark O'Connell, President and CEO at Interac. "In a time of rapidly advancing payments technology, our participation in the innovation ecosystem at MaRS enables us to engage with the brightest minds from Canada's FinTech startups while exploring the latest innovative and secure payment solutions." MaRS, home to Canada's first dedicated FinTech cluster, offers high-growth financial technology startups a sophisticated and comprehensive set of resources, as well as access to extensive capital, customer and partner networks. This partnership supports MaRS FinTech entrepreneurs by offering a range of opportunities, including product feedback, sales opportunities and business advisory.

Interac is a member of ACT Canada; please visit www.interac.ca.

14. SQUARE LAUNCHES APPLE WATCH BASED WALLET APP
Source: Let's Talk Payments (08/20)

Square Cash has just released its Apple Watch-compatible app. The updated Square Cash iOS app allows users to make person-to-person payments with just a few taps on the Apple Watch interface. To use the Square Cash on the Apple Watch, the user first needs to download or update to the latest Square Cash app for iOS. There are no charges to download and no transaction fees for transferring funds between friends or family. The Square Cash Watch app has been designed in such a way that the users find it easy to transfer funds by using virtual bills representing $1, $10, $20, $50, or $100. For example, if someone wants to send $41 to his peer, he can simply tap the $20 bill twice and the $1 bill once, and the fund will be transferred. Square's mobile payments app is called Square Cash. It was introduced in 2013 as the fastest, easiest way to pay anyone and let people forget about checks and other traditional methods. Square Cash lets users leverage BLE to make payments to anyone nearby. The app can detect other Square Cash customers within 250 feet of the sender or recipient.

Square Cash also includes the ability to swipe a push notification to approve and reject a payment request. The app also provides a privacy feature which enables customers to choose to make themselves visible to others or stay private. The app provides an effective P2P payments platform and only requires your debit card information. This makes it easier for mobile payment enthusiasts to pay each other for tickets, restaurant bills and in many other social scenarios. We send and receive money from our friends and family every now and then. These transactions are made through cash, checks and bank transfers most of the time. Nowadays, it is Venmo, Square Cash and Google Wallet transfers. The step taken by Square is logical as the friend-to-friend mobile payments arena is getting crowded, and to be on the top, it needs to see the opportunity to expand and grab it. Square is the first to make it onto the Apple Watch.

15. TSYS LAUNCHES NEW SUITE OF BUSINESS INTELLIGENCE PRODUCTS
Source: TSYS (08/20)

TSYS announced the launch of a new analytics solution that simplifies complex information so that business leaders can immediately use data to grow portfolios. TSYS Analytics IntellisuiteSM is a set of business intelligence products that helps financial institutions identify and execute strategies to reach business objectives. Following a successful pilot program, the first products launched from TSYS Analytics Intellisuite are now available to issuing clients including:
- Consumer AISM — Dynamic dashboards provide powerful, real-time information and enable users to leverage data to build and predictively test business strategies. Consumer AI provides easy-to-use visualization tools

to quickly see, understand and analyze data to effectively manage consumer portfolios.
- TSYS Targeted MessagingSM — A multi-channel customer engagement platform powered by FICOTM enables TSYS' clients to create, execute and manage precisely timed and targeted messages to directly interact with cardholders. The analytics-powered marketing tool enables managers to develop strategies to increase activation, card usage and campaign performance.

"At TSYS, we are revolutionizing how our clients turn data into results by understanding the need to better integrate analytics into business strategies," said Kim Ohlrogge, group executive of Global Product, TSYS. "We view analytics as a key focus for future innovation and are working to address the time and usability challenges many issuers have today with their existing dashboards and reporting tools."

The new single-point business intelligence suite is perfect for:
- Executives in need of a fast, simple, and reliable graphical view of analytics data to monitor
- business performance;
- Marketing and loyalty managers who want to incent consumer action or need a centralized rewards data center to easily monitor program performance for cost/benefit analysis and economic trending;
- Business leaders, and profit and loss owners who need to interpret product billing, transaction, general ledger and operational systems data to precisely calculate account-specific profitability.

Additional development phases include products for commercial, fraud, compliance and rewards, and are slated for release later this year through early 2016.

TSYS is a member of ACT Canada; please visit us at www.tsys.com*.*

16. PIVOTAL PAYMENTS BECOMES PRINCIPAL MEMBER OF UNIONPAY INTERNATIONAL
Source: Payments Business (08/04)

Pivotal Payments has announced its acceptance as principal member of UnionPay International. The partnership offers Pivotal's merchants more payment options with the ability to target the world's biggest online retail markets and the fastest growing payment scheme globally. With over 150 million UnionPay internet and mobile payment users, being able to service UnionPay cardholders presents a significant added revenue stream for Pivotal's merchants. Valued in excess of US$500 billion, the growth volume of ecommerce transactions in China is expected to surpass that of the US this year. Led by the rise of inexpensive mobile devices,

the number of Chinese consumers shopping online is rapidly increasing, with a recent estimate pegging Chinese online spending reaching one trillion dollars by 2019. "We're delighted to be able to partner with UnionPay in providing high quality, cost effective and secure cross-border payment services, putting our clients on a newly expanded global footing," said Philip Fayer, president and chief executive officer of Pivotal Payments. "We are not only providing our merchants with flexible payment solutions but accessibility to a much larger consumer market with a significant level of disposable income."

"We are proud to welcome Pivotal Payments as a principal member," said Miriam Park, chief representative, UnionPay Americas. "As more businesses start operating on a global scale, it's vital to tap into the lucrative Chinese market and its exceptional spending power. We expect our partnership to benefit Pivotal's clients across North America and beyond." Pivotal Payments will provide a full-service implementation of UnionPay, including rapid boarding, streamlined risk and underwriting, full online reporting and dedicated support.

Pivotal Payments and UnionPay are members of ACT Canada; please visit www.pivotalpayments.com and www.unionpay.com.

17. FIME PROVIDES SOLUTION FOR DEBIT NETWORK ALLIANCE EMV CHIP CARD AND TERMINAL CERTIFICATION PROGRAM
Source: FIME (08/13)

Leading EMV chip card payments consultancy FIME is the first to have its chip card personalization validation services and POS/ATM certification test platform approved by the Debit Network Alliance (DNA) under its recently established DNA Shared Debit AID certification program. The DNA Shared Debit AID may be licensed from DNA member networks to create U.S.-issued EMV chip debit cards that do not have a global brand. The new DNA certification program, which was created with FIME's support and EMV expertise, confirms whether EMV chip cards using the DNA Shared Debit AID and the corresponding acceptance terminals comply with DNA requirements. FIME's DNA-approved issuer services include technical consulting for DNA card personalization profile definition and a separate DNA Card Personalization Validation (CPV) service to audit the card against DNA requirements and produce a test report for the issuer. For DNA card certification, card issuers submit final personalized cards into FIME's DNA CPV process, when a compliant test report is achieved it is submitted to the DNA for final approval.

Similarly, acquirers, acquirer processors and merchants accepting DNA chip cards must certify ATM and POS terminals by submitting a compliant terminal test report to the DNA for approval. FIME has integrated its DNA-approved test tool into its SAVVI Test Platform, which enables terminal testing against DNA requirements and production of the test report for submission to the DNA. FIME's

SAVVI Test Platform is a multi-brand test tool for acquirers and processors, for POS and ATM, that supports test cards (physical cards and Softcards), automated test-result analysis, test report generation and online test card maintenance (Softcards only). The DNA test and Softcard library are available as an add-on pack for existing SAVVI users.

FIME also played a major role in the development of the DNA certification program by helping to: • Define the testing scope for both card issuing and terminal acceptance • Implement the certification process together with DNA • Develop the test tool for terminal testing on FIME's leading platform, SAVVI • Set up the card personalization services to support issuers on their DNA profile implementation . "FIME is a world leader in technical consulting for specialized and local payment authority programs and we are proud to be working with the DNA, providing guidance to help prepare the test plan, define scenarios and identify what needs to be tested," said Xavier Giandominici, director of FIME America. "We also wanted to streamline the process. So in combination with the DNA AID certification program, we developed test tools and consulting services that will simplify and speed up the process for issuers and acquirers. Using these tools helps ensure organizations will meet certification requirements with minimum efforts and right level of support."

"Having an effective certification process is essential to making sure everything will work correctly when transactions are processed using the DNA AID," said Paul Tomasofsky, executive director of the Debit Network Alliance. "FIME's global EMV expertise and experience was instrumental in helping us develop a certification process that is both effective and efficient."

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

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18. INSIDE SECURE ANNOUNCES THE WORLD'S SMALLEST COMMUNICATIONS SECURITY SOLUTION FOR INTERNET OF THINGS (IoT) DEVICES
Source: Inside Secure (08/04)

INSIDE Secure announced the availability of MatrixSSL Tiny, the world's smallest Transport Layer Security (TLS) software implementation, to allow companies to affordably secure IoT devices with stringent memory requirements. For example, MatrixSSL Tiny has been deployed on IoT devices with less than 10 kilobytes of flash and 600 bytes of RAM. Moreover, with MatrixSSL Tiny, device manufacturers can reduce their overall design costs by retrofitting a secure connection to their existing hardware as well as reduce their bill of materials (BOM) costs. "INSIDE Secure continues to be on the leading edge of meeting market requirements to secure the most critical applications, networks and devices," said Martin Bergenwall, Executive Vice President of the Mobile Security Business

Division, INSIDE Secure. "As the recent cyberattack on a Jeep Cherokee communicated by wired.com shows, security for IoT devices is critical."

First released in 2004, MatrixSSL is a proven and secure Transport Layer Security (TLS) solution delivered in portable C source code. MatrixSSL Tiny is designed to secure small IoT devices with extremely limited memory that use remote connections, yet demand robust security to prevent eavesdropping and tampering on all network traffic. MatrixSSL Tiny performs real time operations, zeroing the memory when finished. "For a secure Internet of Things, it will be essential that the full range of connected devices with embedded intelligence – even down to the smallest sensor – has effective communications security embedded in it," said Robin Duke-Woolley, CEO of specialist IoT analyst firm Beecham Research. "For devices using small micro-processors, there may be very limited memory and processing capability, yet even these require sufficiently sophisticated security features to cater to the increasingly threatening landscape. This is an exciting development from Inside Secure to help enable this demanding need. It helps to open up the growth potential of the IoT market."

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

19. DIRECTCASH PAYMENTS INC. ANNOUNCES LAUNCH OF DC TAG
Source: DirectCash Payments (08/13)

DirectCash Payments Inc. announced that DC TAG has been successfully launched direct to consumer. Effective immediately consumers will be able to purchase and register a DC TAG online at www.dctag.ca. DC TAG is a prepaid, contactless payment wristband. It is safe, easy to use and accepted anywhere you see the Visa payWave logo, so you can pay simply and conveniently. DC TAG is rugged and waterproof, allowing you to leave your wallet and worries at home. "We are very excited to launch DC TAG, a new and innovative payment solution developed by our team in Canada. DC TAG demonstrates our continued commitment and performance in innovation and product diversity for our payments business and our clients. DC TAG is the first of its kind in Canada, offering a safe, secure and convenient method of contactless payment anywhere Visa payWave is accepted" said Jeffrey Smith, DCPayments' President and Chief Executive Officer.

DirectCash Payments is a member of ACT Canada; please visit www.directcash.net.

20. DISCOVER TO BRING SAMSUNG PAY TO CARDMEMBERS
Source: Discover (08/13)

Discover announced plans to allow Discover cardmembers in the U.S. to use Samsung Pay, a simple way to make payments through Samsung brand mobile phones. Samsung Pay combines Magnetic Secure Transmission (MST) technology with Near Field Communication (NFC), making it compatible with nearly all existing payment terminals and allowing Discover's cardmembers to quickly and easily make payments through their Samsung phones at millions of merchant locations. Samsung Pay will be available on the Samsung Galaxy S6, Galaxy S6 edge, Galaxy S6 edge+, and Galaxy Note 5 this fall in the United States and Korea. Discover cardmembers will obtain access to Samsung Pay in 2016.

"Discover remains committed to providing cardmembers with simple, convenient and versatile payment options," said Diane Offereins, Discover's president of payment services. "Adding Samsung Pay expands our ability to offer innovative and secure mobile payment services, enhancing the customer experience that cardmembers have come to expect from Discover." Samsung Pay uses tokenization instead of payment card information for every transaction and consent for payment must be authorized by the cardholder with a fingerprint or a PIN. To make a purchase at the point-of-sale, Discover cardmembers will simply swipe up on eligible Samsung devices, scan their fingerprint and pay. When Discover cardmembers use Samsung Pay, they will continue to earn rewards and will continue to have protection against unauthorized purchases on their Discover card account.

Discover Financial Services is a member of ACT Canada; please visit www.discover.com.

21. MULTICAJA DEPLOYS 3G WIRELESS PAYMENT TERMINAL SOLUTION FROM VERIFONE
Source: Verifone (08/11)

Verifone announced that one of Chile's largest payment processing networks—Multicaja—has begun deploying Verifone's 3G wireless payment terminal solution to enable merchants throughout Chile to enhance the consumer experience by securely accepting all forms of payment from beyond the counter—in any retail environment. Following a competitive evaluation process, Multicaja selected the Verifone VX 520 3G for its exceptional value and functionality, which includes an integrated color screen, PCI 3.0 compliance and the ability to accept EMV, NFC and all other forms of payment. Multicaja expects to deploy the solution to its new merchant clients throughout 2015. Multicaja connects businesses, banks and consumers across all Chilean regions with its network that processed more than 115 million transactions in 2014. Verifone's wireless terminal solution supports Multicaja's gateway services, which are used by more than 5,000 chains

and stores to process a multitude of transactions including purchases, bill payment, PayPal redemption, deposits and withdrawals, insurance sales and lottery ticket purchases.

"Multicaja's payment processing network is the largest in Chile because of our commitment to the success of our merchant clients," said Pamela Cuzmar, Chief of Technology and Operations, Multicaja. "Verifone's terminal solution provides us with reliable, future-proof devices—backed by decades of payment technology leadership—that enrich our offerings and enable us to continue meeting our commitment to merchants." "Consumers' expectations are changing, and they increasingly want to be able to conveniently and securely make purchases in all types of retail settings, not just at the counter," said Carlos Lima, president of Latin America and the Caribbean for Verifone. "Providing our secure EMV and NFC enabled wireless solution demonstrates Multicaja's forward-thinking approach to payments, as well as its commitment to helping clients succeed by giving them the ability to meet consumers' changing demands while future-proofing their payment infrastructure."

Verifone's reliable, rugged solution handles encryption, decryption and processing at lightning speeds thanks to a powerful processor and expandable memory that supports demanding value-added applications. The wireless 3G version of the device provides added portability and flexibility in deployment and usability—especially for restaurants, transportation service providers, and other types of merchants that interact with consumers in "on-the-go" environments. One of the most popular payment terminal solutions available today, the VX 520 from Verifone is designed for easy use and includes the following features to ensure enhanced interaction with consumers:
- Future-proof technology, including EMV, NFC enablement and PCI PTS 3.X certification
- Ergonomic design and small footprint
- 5-way screen navigation button
- High contrast, 128 x 64 white backlit display (screen) and keypad for all lighting situations

Verifone is a member of ACT Canada; please visit www.verifone.com.

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22. HOME TRUST COMPANY TO ACQUIRE CFF BANK
Source: HomeTrust (08/10)

Home Capital Group Inc. announced an agreement under which the Company will acquire, through its principal subsidiary Home Trust, all outstanding common shares of CFF Bank, a Schedule I bank under the Bank Act (Canada), from MonCana Capital Corporation, a wholly owned subsidiary of Canadian First Financial Group ("CFFG"). The purchase is a private all-cash transaction. The Company will pay a total consideration based upon the book value of CFF Bank at

the time of closing, plus adjustments. It is expected the purchase price will be approximately $15 million. The transaction is not expected to have a material impact on earnings. CFF Bank is a Canadian retail bank offering deposit, mortgage and personal banking products. CFF Bank distributes these products through a number of channels, including through 37 ownermanaged locations across Canada called Canadian First Financial Centres. Gerald Soloway, CEO of Home Capital, said, "The acquisition of CFF Bank represents a major step towards realizing our long-term plan to achieve greater funding diversification at Home Trust. We look forward to welcoming to the Home Capital family CFF Bank's customers and network of CFF Centre owners in Ontario, Manitoba, Saskatchewan, Alberta and British Columbia, as well as members of the CFF Bank staff. We are committed to demonstrating to these new partners the superior service Home Trust is known for."

The acquisition and subsequent integration of a Schedule I bank and Canada Deposit Insurance Corporation (CDIC) member into Home Trust helps the Company further develop its deposit diversification initiatives much sooner than would have been expected if the Company continued to pursue its previously announced plans to apply for a separate Schedule I bank license, as described in a November 10, 2014 Home Capital press release.

In addition to the compelling opportunity to diversify deposits, the acquisition of CFF Bank will also help Home Capital to:
- Build relationships with the 37 Canadian First Financial Centres, which have proven successful at developing new business and originating insured and uninsured mortgages through their mortgage affiliates;
- Add potential new banking products; and
- Add assets of approximately $235 million and $1.4 billion in loans under administration.

Home Trust will acquire CFF Bank, while the 37 owner-managed Centres will continue to be overseen by CFFG. CFFG and Home Trust have reached a separate agreement to provide a growing distribution network for Home Trust's mortgages, loans and credit cards under the CFF Bank brand name at the Canadian First Financial Centres across Canada. In addition to its deposit and personal banking operations, CFF Bank targets residential single family insured mortgages, making it an ideal fit within the Company's current strategy to grow its presence as Canada's leading alternative financial institution serving an established, but underserved and growing, market niche. Furthermore, Home Trust will maintain its strong and conservative capital position, while building on the Company's potential to continue delivering strong shareholder returns.

Home Capital has developed a comprehensive plan to integrate CFF Bank's operations upon close of the transaction, including CFF Bank's control functions. As part of this process, the team leading the CFF Bank integration will also work closely with the Home Capital team leading the implementation of enhanced loan

document verification processes across the Company's businesses. "Our efforts to integrate CFF Bank's operations will in no way impede our efforts to manage the recently disclosed situation with Home Capital mortgage originations," said Martin Reid, President of Home Capital. "Our team will continue to focus on those initiatives." Home Capital also notes that there is no crossover between CFFG's broker relationships and the brokers recently suspended by Home Trust. The proposed transaction is subject to customary closing conditions, including approval by CFFG shareholders, the Competition Bureau and, the federal Minister of Finance. The transaction is expected to close in Fall 2015.

Home Trust is a member of ACT Canada; please visit www.hometrust.ca.

23. MANULIFE BANK TO ADD MORE THAN 800 AUTOMATED BANKING MACHINES ACROSS CANADA
Source: Manulife (07/06)

Manulife Bank announced the planned installation of approximately 830 automated banking machines (ABMs) in select Mac's Couche-Tard and Circle K locations across Canada to help customers better meet their day-to-day banking needs. Manulife Bank will add ABMs in British Columbia, the Northwest Territories, Alberta, Saskatchewan, Manitoba, Ontario, Quebec, Newfoundland and New Brunswick. The machines will be managed by Stanley Security, a global provider of security products and services with a specialty in financial solutions, which is delivering comprehensive monitoring and management of the ABM networks. The ABM deployment is expected to be complete by the end of September.

The transaction is a part of Manulife Bank's focus on helping customers access banking services however and whenever they like. "Our customers have asked for greater access to ABM services," said Rick Lunny, President and Chief Executive Officer, Manulife Bank of Canada. "This is all about offering convenient banking near where our customers live and work." In addition to offering greater access to Manulife Bank customers, the new ABMs will be a part of The EXCHANGE Network, a network of banks and credit unions that provide surcharge-free deposits and withdrawals to members' customers at more than 3,300 locations. "We are thrilled with the addition of Manulife Bank's ABMs to THE EXCHANGE Network," said Andrew Obee, President & CEO of FICANEX Services, which runs the network. "This increases our surcharge-free ABM fleet to over 3,300 coast to coast, making it one of the largest ABM networks in the country and further promoting anytime, anywhere access to surcharge-free cash to Canadian cardholders."

Cardholders at most other major financial institutions will also be able to use the ABMs at standard network rates.

Manulife is a member of ACT Canada; please visit www.manulife.com.

24. CHINA'S CENTRAL BANK FLOATS ONLINE TRANSACTION LIMITS
Source: CardNotPresent.com (08/03)

The People's Bank of China (PBOC) published a proposal that would place regulatory limits on the size of online transactions made through third-party systems like Alipay. The central bank proposed limiting third-party online payments to between 1,000 and 5,000 yuan ($161 to $805) depending on the security adopted by the third party. The proposed regulation also limits yearly expenditures to 100,000 yuan ($16,093). Platforms that require a digital certification and authenticated signature would not need to abide by the restrictions. Systems that have one of the requirements would carry the $160 limit. Third-party platforms that do not include digital certification or a signature, but have two or more other checks would limit consumers to the $805 limit. According to Xinhua, the state-controlled news agency, the limits are based on average online spending data. The PBOC is accepting public comment on the proposal until Aug. 28.

The announcement comes as e-commerce in China, especially via mobile device, continues to explode. In fact, a new report from eMarketer late last week said retail e-commerce sales via mobile devices will reach nearly $334 billion—nearly half of all online retail in China. Those numbers will grow steadily, the report said, reaching more than $1.4 trillion in 2019, accounting for a startling 71.5 percent of retail e-commerce sales and 24 percent of total retail sales in the country. An editorial in the South China Post yesterday, however, said if the PBOC's draft is enacted as written, "it would hurt Alipay's business significantly and also the entire business-to-consumer system in China."

25. NEW GLOBALPLATFORM SPECIFICATION ENABLES DYNAMIC CONNECTION BETWEEN SERVERS WITHIN AN ECOSYSTEM
Source: GlobalPlatform (07/30

GlobalPlatform has published its System Protocol Discovery Mechanism (SPDM) Specification. The document describes a simple mechanism, which enables a system to 'discover' which protocols are supported by a server, in order to establish how the system and the server can communicate. While it is applicable to any ecosystem and any protocol to be discovered, the new specification has been defined to specifically support the provisioning of mobile near field communication (NFC) services, downloaded by an end-user, into a device's secure element (SE). Once a service provider's device application e.g. a wallet is deployed on a device, the mechanism will enable the service provider to dynamically discover who the SE issuer is, and what protocols are available to communicate with the SE issuer. If the correct business arrangement is in place between the service provider and the SE owner, and the necessary application protocols are supported by both servers, then services can be remotely provisioned into the device's SE.

This NFC use case is increasingly relevant, as a growing volume of secure NFC services are being brought to market by an increasing number of service providers across industries and geographies, via multiple SE owners. The SPDM Specification is not, however, restricted to usage in the NFC environment, or even to use cases involving a service provider or device application. It also applies to other secure components, such as the trusted execution environment (TEE). "This advancement gives flexibility to service providers to enable them to deploy a wallet application in various NFC ecosystems and allows them to connect to the associated systems dynamically" comments Gil Bernabeu, GlobalPlatform's Technical Director. "For example, if someone travels from Paris to Tokyo and wishes to use his/her NFC device to pay for a ticket on the Tokyo metro, the Tokyo metro operator does not know how to technically communicate with the person's SE owner – a French mobile operator for example – until the first discovery mechanism dialog between the relevant servers establishes a common technical language, or protocol. Suddenly it is possible, for the Tokyo metro to request the service loading and to allow the end user to use his/her device to 'talk' to the Japanese metro paygate. Technically, it opens up many possibilities and provides a basis for relationship building between different actors in the ecosystem."

The SDMP Specification also enables the end point location of a server to be shared with other systems. The ability of this specification to accurately report this information offers real value for ecosystem actors. Deployments are dynamic and evolve over time, frequently resulting in multiple server address changes. Thanks to the SDMP, which allows the end point location of servers to be remotely discovered, cards and SEs can be kept 'live' even when the SE issuer's server address changes. The specification – which will be valuable for all stakeholders in the mobile NFC landscape including SE issuers (handset manufacturers and mobile network operators), service providers, trusted service managers, service providers and system integrators – can also be used to deploy NFC services in a roaming environment.

"As the deployment of NFC services continues to grow, there is an increasing need for stakeholders to dynamically create new business arrangements and communicate on a local, regional, national and international scale," continues Gil. "For services such as payment, loyalty and ticketing, consumers increasingly demand that these services are not restricted to geographical regions. As such, the specification can also be used to facilitate and ease cross-border communication between actors."

GlobalPlatform is a member of ACT Canada; please visit www.globalplatform.org.

26. CANADIANS THROWING AWAY MONEY IN UNUSED GIFT CARDS
Source: UGO Mobile Solutions (08/12)

Gift cards can be as good as cash – but Canadians aren't valuing them to their full potential, despite the majority who give and receive them each year. The average gift-card-giving Canadian purchases an estimated total of $166 worth of cards per year; while those on the receiving end get an estimated total of $134 annually. However, a new Ipsos poll conducted on behalf of UGO Mobile Solutions L.P. (UGO) revealed that many throw away their gift cards before spending their full value. In fact, roughly one-third of all Canadians say they typically leave unspent money on their gift cards, including 47 per cent of young adults. The survey found that those who misplace their cards estimate they lose an average of $47 each year, while those who stop using their cards before they're maxed-out leave an unspent average of $5 on each card.

"As a nation, we really like the overall ease and flexibility of gift cards – since roughly three-quarters of all Canadians give and receive them each year," said Alec Morley, CEO, UGO Mobile Solutions. "There is obviously a need for a convenient solution that allows consumers to have easy access to any gift card at any time in order to take advantage of their full value – UGO Wallet brings that convenience to Canadians with newly expanded capabilities that go beyond payments and loyalty to include the ability to store, redeem and electronically receive gift cards." Starting tomorrow, users can store gift cards in their UGO Wallet simply by scanning the card with their smartphone camera. The feature also allows users the option of manually tracking unused money within each card's file, addressing the top two culprits of why 46 percent of Canadians say they may not use gift cards to their full value:
  1) Forgetting how much money is left to spend if the total amount is not used at once (23 per cent), notably among millennials (18 to 34) at 37 per cent; and
  2) Forgetting to bring the right card when shopping (15 per cent).

Additional survey findings:
  - A majority (54 per cent) of Canadians say that they would be likely to use gift cards to their fullest value, and sooner than they do now, if they could store all of them on their smartphone and scan them at checkout. Most likely to think this could help them include Albertans (63 per cent), Atlantic Canadians (58 per cent) and – especially – those nationally aged 18 to 34 (79 per cent), including students (83 per cent).
  - One in ten Canadians actually use gift cards as a budgeting tool, to help them manage their spending on a weekly or monthly basis for items like coffee, clothing or groceries, including 16 per cent of young adults.
  - A total of 69 per cent of females and 63 per cent of males aged 18 to 34 were the very least interested in using gift cards as a budgeting tool. That number increases with three-quarters of students (18 to 24) seeing value in using gift cards as a budgeting tool when conveniently stored in an app on their smartphone.

- Those in BC and Quebec who leave money on their cards tend to leave slightly more ($5) than the national average ($4.50) on their gift cards before they stop using them. In contrast, more than three quarters of those in Quebec (76 percent) say they never leave any money on their cards.

These are some of the findings of an Ipsos poll conducted between July 9 and 14, 2015 on behalf of UGO Mobile Solutions L.P. For this survey, a sample of 2,024 Canadians from Ipsos' Canadian online panel was interviewed online. Weighting was then employed to balance demographics to ensure that the sample's composition reflects that of the adult population according to Census data and to provide results intended to approximate the sample universe. The precision of Ipsos online polls is measured using a credibility interval. In this case, the poll is accurate to within +/ - 2.5 percentage points, 19 times out of 20, had all Canadian adults been polled. The credibility interval will be wider among subsets of the population. All sample surveys and polls may be subject to other sources of error, including, but not limited to coverage error, and measurement error.

UGO Wallet is a digital wallet application that brings the power of simplicity to everyday life by combining payment and loyalty cards in one simple and secure application. UGO Wallet offers Canadians an effortless way to shop and participate in loyalty programs, all on their smartphone. You can use UGO Wallet to make a payment at any merchant who supports contactless payments. You can also use UGO Wallet to get or redeem reward points wherever the merchant has the appropriate technology at point-of-sale.

27. INDUSTRY GROUPS LAUNCH EMV CONSUMER EDUCATION INITIATIVE
Source: Mobile Payments Today (08/20)

The Payments Security Task Force and the EMV Migration Forum have launched an industry-wide "Chip In" education initiative, according to an announcement from the two groups. In April, the forum and task force launched GoChipCard.com, a website that explains the "what and why" of chip cards, and provides instructions for using them. Additionally, the site offers reference materials for consumers, issuers and merchants. Now the website's creators are asking industry stakeholders to "chip in" to help expand education efforts directed at consumers and small businesses. "After only one successful transaction, consumers understand how to use their new chip cards," said Randy Vanderhoof, director of the EMV Migration Forum. "We want to make their first impression with chip technology a positive one, and make paying with chip the 'new normal' this year. To meet this goal, [we] are asking the industry to expand education efforts by participating in the new Chip In education initiative."

The initiative equips issuers, merchants, acquirers and others with educational messages and materials that can be shared through social media and

other channels. Beginning Aug. 24, stakeholders who sign up for the initiative will receive a weekly email that includes:
- predrafted social media posts and hashtags;
- free educational downloads such as visual aids, training guides, FAQs, and infographics;
- pointers on maximizing the educational value of resources;
- tips for media interviews; and
- ways to encourage visits to GoChipCard.com.

"The Chip In education initiative is another tool we can use to support the transition to chip technology in the U.S.," Visa Inc. Vice President of Risk Products Stephanie Ericksen said in the press release. "All of those in the payments ecosystem have demonstrated a shared commitment to easing the transition to chip technology, and, through continued collaboration on initiatives like Chip In, we can help educate consumers and small businesses as to how chip technology can help reduce fraud and increase payment security."

The Smart Card Alliance and Visa are members of ACT Canada; please visit *www.smartcardalliance.org* *and* *www.visa.ca*.

28. MONERIS MAKES EMV MPOS LINE AVAILABLE IN US
Source: Mobile Payments Today (08/11)

Moneris Solutions Corp announced the availability of the PAYD product family for the U.S. market. PAYD Pro and PAYD are two smartphone-based mobile point-of-sale (mPOS) products, according to the press release. "Moneris is pleased to be one of the first to bring an EMV-enabled mPOS solution to the U.S. market," Chris Lee, president of North American strategic partnerships for Moneris, said in a statement. "PAYD Pro offers the latest security features and payment technology, while providing the convenience of quick and efficient mobile transactions. It gives merchants greater flexibility in payment acceptance, while fulfilling consumer preferences and improving customer experience." PAYD Pro pairs the PAYD App with a portable Bluetooth-enabled PAYD PIN pad, enabling businesses on-the-go to turn their smartphone or tablet into an easy-to-use mPOS device that supports EMV-chip and signature, contactless and swipe debit and credit card transactions, according to the announcement.

Moneris is working with BMO Harris Bank to offer both products to its business customers, according to the announcement. PAYD Pro and PAYD are available today for iPhone and iPad and merchants can find the app in the App Store. PAYD for Android is expected to be available in late summer 2015, according to the announcement.

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

29. WHY THE ASHLEY MADISON HACK IS MORE SCARY THAN FUNNY
Source: PYMNTS.com (08/22)

There is something undeniably enjoyable about watching a villain get what's coming to them. Whether it's watching the Death Star detonate, seeing Gordon Gekko getting taken away in handcuffs or watching King Joffrey drink from the poisoned cup — everyone can get behind watching someone or something unapologetically villainous get what's coming to them in the most karmically appropriate way possible. Such epic comeuppances are usually to be found in the world of entertainment, because without the guiding hand of a screenwriter, reality usually doesn't bear quite as many perfect reversals. Which leads us to the Ashley Madison hack — a real-life Death Star explosion if there ever was one.

After almost two years of unending data breaches, everyone knows cybercrime is bad, damaging and dangerous. And yet the Ashley Madison hack made us smile. Few could resist the collective "slow clap" that accompanied the news that professional adultery boosters had allowed their very sensitive and supposedly very secure servers to be wholly hacked. At the time of the breach, the group claiming credit, the Impact Team, made the breach known by posting a small amount of a supposedly larger cache of stolen (and identifying) user data and made Ashley Madison's owner, Avid Life Media, an offer: take down the site, or see all the data go up for public consumption. And then … nothing. For about a month the issue didn't progress – Ashley Madison stayed up, and the data remained under wraps. Until this week.

That's when the whole breach went up on the Web in the form of a giant data dump. And this time around, smirks certainly abound. Unless, you are Josh Duggar, or any other Ashley Madison customer. So how bad was it? Well, that depends on how you look at it. The scope of the breach is still being sorted out — everyone seemingly agrees the data dump is legitimate at this point, but it's a large volume and by all accounts difficult to decipher. But what is becoming increasingly clear in the days to follow is that the Ashley Madison breach may point to a future that is legitimately scary for everyone — not just those foolish enough to join an adultery-themed website.

By The Numbers

The Ashley Madison hack in terms of the sheer amount of data was massive — 10 GB of data (and that was compressed) from over 33 million accounts — or the equivalent of four motion pictures worth of data. And within those accounts is a virtual buffet of personal information. Home addresses, 36 million email addresses, phone numbers, partial payment data, first and last names and hashed passwords — and financial transactions. Paid extra for the premium "guaranteed affair within three months" service? That's in the records. Paid the company to delete your account and forget they ever saw you? That's there too. All in, records documenting 9.6 million transactions were included in the full data dump – all of which appeared on an Onion (Tor) website.

Moreover, the leak also turned up PayPal accounts used by company executives, Windows keys for employees, and a lot of internal documents. And that, security experts have noted, is particularly disturbing news. "The biggest indicators to legitimacy comes from these internal documents, much containing sensitive internal data relating to the server infrastructure, org charts, and more," TrustedSec researcher Dave Kennedy wrote in a blog post. "This is much more problematic as it's not just a database dump, this is a full scale compromise of the entire company's infrastructure including Windows domain and more."

The Blackmail Begins

With the exception of one or two high profile names popping out of the database so far, the majority of the massive pile is being sifted through by a variety of parties. Unfortunately, one of the groups panning the data in the stream are extortionists who are using the opportunity to blackmail people. An opportunity apparently made possible by that currency that enables all nefarious use cases: bitcoin. According to reporting in CoinDesk, enterprising goons have begun to reach out to people in the database with threats to expose their cheating ways unless they are paid off in bitcoin. An American Ashley Madison customer sent CoinDesk the email he had received from "Team GrayFlay." The email indicated some correct details for the user's account and instructions that he must pay up in bitcoin or be exposed.

"Unfortunately your data was leaked in the recent hacking of Ashley Madison and I now have your information. If you would like to prevent me from finding and sharing this information with your significant other send exactly 2.00000054 bitcoins [approx. value $450 USD] to the following address…" the note said. The note also gave the user helpful instructions on how to obtain bitcoin (on the off chance they had never heard of the currency before). Less helpfully, Team GrayFlay also indicated that if they weren't paid, they would make sure to share the information widely. "If you are not already divorced then I suggest you think about how this information may impact any ongoing court proceedings," the message noted. "If you are no longer in a committed relationship then think about how this will affect your social standing amongst family and friends."

The Alarming Trend

While it may have been fun to gloat about the fall of the house of Avid Life, no one seemed more committed to gloating than Impact Team themselves. "Avid Life Media has failed to take down Ashley Madison and Established Men," the Impact Team wrote in a statement accompanying the alleged leak, according to Wired. "We have explained the fraud, deceit, and stupidity of ALM and their members. Now everyone gets to see their data. Find someone you know in here? Keep in mind the site is a scam with thousands of fake female profiles. See Ashley Madison's fake profile lawsuit; 90-95% of actual users are male. Chances are your

man signed up on the world's biggest affair site, but never had one. He just tried to. If that distinction matters."

Impact Team, the BBC noted, is an interesting bird. They are unlike many other hacker groups out there in a few regards. They seem to have formed purely for this venture, as there was no evidence of them before this. They have no interest in what usually interests hackers: the credit card data and other financials. This hack seems purely to have been based on what The Washington Post called a "moral vendetta." The point of this wasn't to steal financial data, or data that was easily monetizable. The point was to humiliate people and a company. And that, The Awl noted, is not a laughing matter, because this story is not so much about bad people getting hacked, but about how we relate to the apps and Web spaces where we expect to have some kind of privacy.

On the whole, consumers are protected from the financial loss associated with data breaches; they don't pay the costs of fraud — issuers and merchants do. But the costs of this kind of breach apply directly and mostly to the consumer — and in a way that is hard to calculate. And while Ashley Madison is an extreme example of an embarrassing hack, there are many more examples one could think of. As of 2011 there were 260 million pornography pages on the Internet, and millions upon millions of them are paid sites. One might assume those people don't want those accounts made public to others. But one doesn't even have to a take prurient route to find private information people might be uncomfortable sharing. Like health information, for example. Consumers increasingly navigate their worlds using mobile devices and online, and though security is a prevalent concern, history has trained them to aim that concern toward financial fraud and hackers who want their credit card number or their Social Security number (so they can take out a credit card in their name).

Consumers are less trained mentally to deal with cybercriminals who are merely on the hunt for embarrassing data to use as leverage. And yet that is exactly the kind of hacker team Impact Team is. This time that leverage was first used against the company itself, but it is easy to imagine a future where the leverage is used against the consumer. And in those cases, hackers won't have to steal customer's payment information from them, because someone who really wants to keep a secret will give it to them willingly. So while it's easy to laugh at Ashley Madison today, it might just get a lot less funny going forward if hackers decide that instead of hacking people's financial data, they just hack people and extort them financially instead. Or if consumers decide that the risks to their privacy aren't worth it — and decide to short circuit the mobile revolution early on.   Innovators, get busy – and help us sort this big problem out.

30. SAMSUNG JOINS THE VISA DIGITAL ENABLEMENT PROGRAM
Source: Visa (08/13)

Visa Inc. announced that Samsung has joined the Visa Digital Enablement Program (VDEP), which offers a commercial framework that makes it easier for issuers and technology companies to access the Visa Token Service. Samsung will use the Visa Token Service (VTS) to offer secure mobile payments. By joining this program, Samsung will be able to ensure financial institutions can offer Samsung Pay in a convenient and scalable manner, which will ultimately help accelerate the availability of Samsung Pay for consumers around the world. "Samsung Pay is now one more way consumers can make secure payments based on tokens -- technology that is quickly becoming the standard for safe mobile payments," said Jim McCarthy, Executive Vice President of Innovation and Strategic Partnerships at Visa. "Similar to how Samsung Pay is reaching mass merchant acceptance on day one, VDEP is making it easy and cost-effective for payment providers, financial institutions and technology companies like Samsung to take full advantage of token technology and bring secure mobile payments to consumers everywhere."

"As we launch Samsung Pay, we are proud to have Visa as a day one partner," said InJong Rhee, EVP of Samsung Electronics, Global Head of Samsung Pay. "Visa Digital Enablement Program allows financial institutions to easily offer Samsung Pay, a secure and easy-to-use mobile payment service that can be used to make purchases nearly anywhere cards are accepted." As the payments industry increasingly shifts from plastic to digital, Visa is helping its clients and partners offer consumers a safe, simple and consistent purchasing experience, regardless of where they are and what device they are using. Key technologies and programs helping Visa to make this shift include:
- Visa Digital Enablement Program (VDEP): Designed to help partners access Visa's secure token technology, VDEP connects financial institutions and technology companies to simplify and accelerate the roll-out of new payment and commerce services. Visa's new Digital Enablement Program provides a turn-key commercial framework with no pass through fees between technology partners and Visa's more than 14,000 financial institution clients around the world -- eliminating the need for complex contractual agreements and technology integrations.
- Visa Token Service (VTS): The Visa Token Service is a new security technology that replaces sensitive payment account information found on payment cards, such as the 16-digit account number, expiration date and security code, with a unique digital identifier that can be used to process payments without exposing actual account details. Use of the Visa Token Service by partners like mobile device manufacturers helps to ensure that sensitive card account information is never stored online or on mobile devices and is helping to transform the way consumers shop and pay with billions of connected devices.

31. GEMALTO ENABLES SERVICE PROVIDERS TO OFFER TRUSTED CRYPTO IN THE CLOUD
Source: Gemalto (07/29)

Gemalto announced the availability of SafeNet Luna SA 6, the first HSM (hardware security module) purpose-built for service providers to offer on-demand crypto processing, key management and key storage in the cloud. The new SafeNet Luna SA delivers the performance and scalability required to protect the most demanding cloud applications and allows service providers to offer the highest levels of trust for their cloud environments by giving businesses total ownership of their encryption keys. For many organizations, the option of purchasing and managing encryption keys on-premises does not align with their vision of using cloud-based infrastructure as on-demand services. In addition, service providers that want to offer higher levels of data protection are required to manage encryption solutions on behalf of their customers, which means increased liability and risk in terms of data access and complying with customer compliance requirements. As a result, these challenges have prevented many security conscious companies from migrating sensitive data to the cloud.

Gemalto's SafeNet Luna SA platform changes the way service providers and organizations can manage and store encryption keys in cloud environments. With the new SafeNet Luna SA, cloud companies can provide all of the security, compliance and trust of an on-premises HSM appliance while their customers realize the cost, flexibility and performance benefits of the cloud yet still maintain complete ownership of their keys. Organizations can now also benefit by being able to choose the appropriate data encryption strategy for their business whether that be on premise, cloud-based, or hybrid key management and storage solutions. "Gemalto's SafeNet Luna HSM for service providers addresses a current gap in the market for encryption and key management," said Garrett Bekker, senior security analyst at 451 Research. "Enterprises that are looking to move more resources to the cloud are realizing the need for encryption and key management, but often lack the resources to deploy and manage their own encryption key management infrastructure. By packaging SafeNet Luna HSM for service providers, enterprises of all sizes can maintain control of their sensitive keys while taking advantage of the benefits the cloud provides."

The SafeNet Luna SA can be separated into 100 cryptographically isolated partitions, with each partition acting as if it were an independent HSM. Within each partition, a given customer can assign multi-tiered levels of administrative access. The partitions themselves are designed to protect key material from other tenants on the same appliance, meaning different customers – or different lines of business within a single organization – can leverage the same appliance without fear of losing their keys to other tenants. In addition, service provides have no access to

key material stored on any HSM partition, giving their customers the confidence that only they have access to their sensitive cryptographic keys. "When encryption and key management can be offered conveniently as a service by cloud providers, but with the same high-grade protections as if it were fully on-premises, organizations of all types can reach new levels of efficiency and security," said Todd Moore, vice president of product management Encryption Products at Gemalto. "With our new SafeNet Luna SA, we are opening up a significant opportunity for service providers to grow revenue by offering customers the ability to control their keys and thereby bring more sensitive data and workloads to the cloud."

The new SafeNet Luna SA expands Gemalto's portfolio of encryption, key management and crypto management products that can be deployed by service providers to enable greater levels of security in their cloud environments. Along with the SafeNet Luna SA, Gemalto also offers the SafeNet ProtectV and SafeNet Virtual KeySecure products which provide robust full-disk encryption for virtual instances and attached storage volumes and secure key management for data encrypted by ProtectV or other third-party cloud or on-premises encryption solutions.

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

32. PAYPAL TIES UP WITH BLACKBERRY TO PROVIDE PEER-TO-PEER (P2P) PAYMENTS THROUGH BBM CHATS
Source: Let's Talk Payments (08/15)

BBM has partnered with PayPal to make sending and receiving money via users' BBM Chats. Users will now be able to connect a PayPal account to the BBM service by selecting the "Send Money" icon. The service is currently in beta version in select BBM users in Canada. PayPal is a global payments platform that is available to people in 203 markets, allowing customers to get paid in more than 100 currencies, withdraw funds to their bank accounts in 57 currencies and hold balances in their PayPal accounts in 26 currencies. User can start sending money to family and friends once they've also connected their PayPal accounts to BBM. From there, the user needs to simply select the PayPal icon directly in BBM, enter in the amount of money, review the details and hit send.

"Whether you're paying a roommate back for rent or splitting dinner with friends, buying a group gift or sending your kid some spending money, sending money with PayPal through BBM is easy because it's where your conversation is already happening," Matt Gromada, PayPal's Director of Consumer Product Marketing, said in the post. "People don't have to leave BBM to send a photo or file. So, why should they have to with money? Pay and get paid in the moment, right in your BBM conversations, using your mobile device." Earlier, these messenger apps were used only to chat with friends and family, but now, the trend

has shifted from mere chatting and sharing pictures and videos to transferring money.

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