





## The Connected Business

# Mobile systems face integration difficulties

**Business innovation** Banks need to look beyond basic services, writes *Paul Taylor*

The problems and opportunities that mobile banking and payment systems, and electronic wallets, present for banks, card issuers, network operators and equipment makers are likely to vary from market to market and country to country.

For example, in emerging markets such as Kenya and Tanzania, M-Pesa, the mobile phone-based money transfer and micro payment systems pioneered by Safaricom and Vodacom, has been popular with those who have not previously used banking services. M-Pesa allows users with a national

ID card or passport to deposit, withdraw, and transfer money easily with a mobile device.

In more developed countries, banks have offered basic mobile banking services for years. These are growing in sophistication, for example by allowing clients to use smartphone cameras to make cheque deposits, or by providing stock market investors with equity research and portfolio analysis tools on tablet devices.

But the real opportunities for banks lie beyond basic banking services. As Accenture, the consultancy, noted in a report on the sector, “rapid



Jennifer Miles: mobile's value lies in the interaction between brand and client

advances in technology are creating major opportunities for banks to build better and more loyal relationships with their customers, enhance service and drive additional revenue”.

Accenture also said banks are raising expectations about how customers interact with them, including “developing new services and addressing new points of customer interaction – for example through social media such as Facebook and Twitter”.

But the authors point out that, while such innovation in specific channels is necessary for growth, it will not, on its own, be sufficient.

“Introducing new channels or enhancing existing ones has to take place alongside the creation of architecture that brings those channels together and integrates customer data meaningfully across them all.

“Without that integration it will not be possible to deliver the type of service experience that customers expect. And all of this has to deliver sustainable cost savings.”

However, banks need to take advantage of such opportunities sooner rather than later, or they run the risk of being outflanked by mobile network operators and companies such

as PayPal, that are also zeroing in on mobile banking and payments. For example, Berg Insight, a business intelligence company, estimates in-store mobile wallet payments will reach a combined total of €78bn in North America and Europe alone by 2017, up from just €600m in 2012.

Berg suggests commercial mobile wallet services will be operating in nearly half of the 27 EU members, plus Switzerland and Norway, by the end of this year. Many of Europe's largest mobile operators, banks and retailers including T-Mobile, Orange, Telefónica, BNP Paribas, Barclays and Auchan, were identified by Berg as important mobile wallet players.

In North America, where mobile wallets have been slow to take off, their use in in-store payments totalled just \$500m in 2012, and the vast majority of payments used Starbucks' smartphone application. Mobile wallets that can be used at multiple merchants “have yet to gain traction”, according to Berg.

But this could be about to change. Isis, the mobile commerce joint venture created by AT&T Mobility, T-Mobile US and Verizon Wireless, announced plans at the end of July to roll out its Isis Mobile Wallet nationwide this year, following successful trials in Austin, Texas and Salt Lake City, Utah.

Michael Abbott, Isis's chief executive says: “Over the past nine months, we have proven the power of an open platform, creating an ecosystem of hundreds of partners dedicated to making mobile commerce a reality.”

In another indication that the Isis Mobile Wallet, which uses near-field communication technology to allow

consumers to make purchases, redeem coupons and present loyalty cards with a tap of their smartphone, could win wider acceptance, Chase, the US banking arm of JPMorgan Chase, plans to offer its credit card services in the package.

In the longer term, universal mobile wallets are expected to drive the majority of mobile in-store purchases in North America, which Berg estimates will reach \$44bn by 2017.

However, some believe that it will be the value-added services that accompany mobile wallet shopping that will truly distinguish mobile wallets from the traditional payment instruments.

Jennifer Miles, president of VeriFone Americas, an Isis partner, says:

“Gaining an early lead can be crucial, only a limited number will survive”

“The value in mobility is not in how you pay, it's about creating a more meaningful and rewarding interaction between a brand and its customer, and mobile wallets are an important part of that.”

Analysts think the next few years will be a crucial time for banks and others planning to offer mobile payment and wallet services.

The Berg report said: “Gaining an early lead in the market can be crucial, as in the long term only a limited number of mobile wallet services will survive in each market due to network effects.”

**UK scene** Convenience is the key factor likely to win over customers

A consortium of mobile phone operators in the UK has ambitions to sell banks a high-tech way of keeping customers loyal.

Launched in 2012 by Vodafone, EE and O2, Weve offers payment technology via a new generation of mobile phone chips.

These work in the same way as contactless payments tap and pay debit cards, by employing short-range radio waves known as near-field communications (NFC).

Banks feel that they missed a trick in allowing online commerce companies such as PayPal to dominate internet shopping. They see mobile phone technologies as a way to reinvigorate their relationship with a younger generation of customers.

The big question is whether NFC will live up to its hype before some other emerging technology takes the mobile payments prize.

Tony Moretta, a veteran of NatWest bank and credit card giant Visa, is marketing director at Weve. He says the UK has 30m credit and debit cards that are equipped with contactless payment chips, so consumers are accustomed to making payments by waving a chipped device at a card reader in a shop or restaurant.

Mr Moretta anticipates NFC capacity will be enhanced by Weve's mobile operator backers in the same way as a bank updates plastic cards.

New mobile devices will sport an NFC-compatible chip and, when enough are in circulation, banks can alert their customers to the options they have for using these services.

The company says it will carry out the technical integration between bank accounts and the NFC chips, giving each bank a single point of contact that will provide access to the multitude of phones that are available from the group's backers.

The theory is that consumers will leap at the

speed and convenience of contactless payments as banks load the ability to use debit cards on to mobile phones.

Banks will control the branding of the service, adding extra promotions such as discount deals with retailers. The resulting avalanche of information about spending habits could put banks on a par with supermarkets in terms of their future ability to mine and exploit data from customer transactions.

Mr Moretta anticipates Weve's banking clients should be able to launch services by the end of 2014. He thinks the frantic pace of change in mobile commerce is a powerful incentive for them to sign up. “Banks are behind the consumer in terms of using mobile payments technology,” Mr Moretta says.

“If the banks don't do this soon, someone else will,” he adds.

Market observers say this rapid rate of change may also trip up Weve. Neil Burton, director of product strategy at cross-border payments group Earthport, warns that “the rate at which mobile technology changes is very quick, possibly faster than the banks can match”.

Apple has held out from including NFC compatibility on the iPhone, and it is clear that Weve can only be one element in a wider mobile strategy for banks.

Paul Berney, European managing director at the Mobile Marketing Association, thinks Weve is pointing banks in the right direction, although he believes Apple's eventual embrace of NFC will prove crucial.

“Weve is preparing them for the future, it is just a question of time,” he says.

**Michael Dempsey**



**Mobile ambitions:** Weve's Tony Moretta

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## Mobile isn't a device. It's data.



There are four times as many mobile phones in use today as there are personal computers and tablets—and twice as many as there are TVs.



A typical mobile user engages with a device 150 times every day, including 23 times for messaging, 9 times for social media, and 6 times for news updates.

Two out of three people in the world keep mobile devices within reach at all times. A typical user reaches for that device 150 times every day. Those numbers speak volumes about mobile's influence on a Smarter Planet. But mobile isn't simply a story about devices. It's about data.

### A mobile workforce is a faster workforce.

By 2015, 40 percent of all business-oriented devices will be mobile. One company, executive-search firm ZurichDavis, upgraded from using inefficient e-mail chains to using a mobile-oriented social-networking tool. That switch helped recruiters document opportunities in real time—and helped the firm fill positions 25 percent faster.

### Precise data means precise service.

The exchange of mobile data that helps serve customers also gives companies a detailed picture of what customers want. One airline automated much of its pre-boarding process by embedding RFID

technology into frequent-fliers' cards and luggage tags, generating valuable information while reducing check-in times by as much as 75 percent.

### Securing mobile data with mobile data.

Today, 93 percent of companies say they consider mobile security equal to other security concerns. While new, standard practices for mobile technology have yet to be established, a few enterprises have begun using analytics to recognise their employees based on their mobile behaviours and activities, as well as more traditional passwords.

### Better data makes us all smarter.

Competing on a Smarter Planet means building a strategy that strives to put mobile first. A smarter enterprise that sees all operations through the lens of mobile capabilities will view each mobile interaction as an opportunity to engage, learn and lead. To find out more, please visit us at [ibm.com/mobilefirst/uk](http://ibm.com/mobilefirst/uk)



With many workplaces practicing a 'bring your own device' policy, 93 percent of companies express concerns about mobile security.

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