Think you are Ready for Mobile?

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Identifying the Need and Setting a Vision for the Future

Magstripe Technology

- Served our campuses well for over 27 years
- Easy to use
- Low cost
- Widely accepted
- Pitfall - Less Secure than today's solutions
Contactless Card MiFare, Desfire EV1 or 2 - others

Traditional MiFare
• Security Concerns much like Magstripe
Desfire Solution offers
• Encryption
• Mobile provides Multi-factor authentication
• Functionality
• Easy of use
Identifying the Need and Setting a Vision for the Future

Students began asking more for Apps and Mobile.

Was the Phone really an option?
MIFARE DESFire EV2 cards have many advantages over other contactless cards. DESFire EV2 offers superior security and reliability utilizing AES-128 encryption. Additionally, most users will see longer read range, depending on the reader power, which can make a transaction seem faster as the card begins to read while it is still moving toward the reader.
Mobile credentials have been a much touted and talked about technology in recent years — from the first unsettled times when no one knew if NFC or Bluetooth would be the preferred platform, to more recently as prominent manufacturers and their partners have introduced a host of solutions to the campus marketplace.
Mobile allows for both ease-of-use, and high security. Mobile credentials are secure. The same way you have encryption on a smart card you can have it on a mobile phone.” In fact, with passwords and biometric options on smartphones today, it is even possible to have dual (Multi Factor Authentication), all from the mobile device.
Students today use mobile devices in just about every situation—and they expect that convenience in all aspects of their lives.
At Mercer, we chose NFC

NFC is our ISO communication standard not only for the potential it holds for mobile credentials, but also because we feel it offers the widest array of ISO-standard credential support including magnetic stripe and contactless cards. This versatility ensures meeting our campus' needs for multiple credential types.
Serving Multiple Form Factors
NFC helps you be uniquely capable of serving the credential needs of everyone, anywhere, via card, mobile or other form factor.
Providing Security and Technology

Tech-savvy students demand a frictionless experience.
Mobile is central to that experience.
How Did We Get There?

Develop a plan for migration.
It doesn’t all have to be done at once!
So How Did we get to Mobile?

Develop a Plan
At Mercer we converted over a 5 year period without having to recard our entire Campus Community. You can too!

Utilize your partners to help you work your plan.
Evaluate your equipment and reader devices.

As you purchase new readers and equipment make sure they are forward compatible.
Check with your vendor to see if can you purchase a reader now that will read your cards today and move with you to mobile.
Involve Campus Stakeholders

• Ask lots of Questions

• Who is using your current card in ways you don’t even know?

• Libraries often have stand-alone systems.

• Do you still have a need for a Physical Card?

• The Answer may surprise you...

• If so, what are your policies going to be for multiple credentials?

• Does your campus have an off-campus merchant program?

• Mobile may impact how they do business with your campus community.
The digital Bear Card is part of a five-year master plan by Mercer Auxiliary Services to transition the campus ID from traditional Mag Stripe technology to the more secure MIFARE DESFire EV2 contactless technology.
We want to give our community choice and convenience. Students always have their phones close at hand. Now, they have the convenience of their Bear Card with it, too.

They don’t have to worry about losing their card or digging it out of their pocket or purse to get in a building. They can hold their Phone up to the reader and unlock the door or pay for a sandwich.

We realize that mobile credentials are not for everyone, so we will continue to offer the option of a traditional Bear Card using the new DESFire EV2 platform. The choice is yours.
Mobile Phase 2.0

Next Steps at Mercer