

BACK TO THE FUTURE!



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find**BIOMETRICS**.com
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Who controls the past controls
the **future**. Who controls the
present controls the past.

George Orwell

BACK
TO **FUTURE**
THE

The image features the title 'BACK TO THE FUTURE' in a stylized, three-dimensional font. The letters are primarily blue with yellow highlights and a glowing aura. The word 'BACK' is on the top line, 'TO' is on the middle line, and 'THE' is on the bottom line. The word 'FUTURE' is on the middle line, overlapping with 'TO'. The text is set against a dark blue background with a subtle, glowing blue and yellow light effect around the letters.

Data set-Participants

Participants include:

Iris ID Systems Inc.(formerly LG Electronics), NEC, MorphoTrak, Lockheed Martin, Lumidigm, IBIA, Cross Match Technologies, Aware, AOptix, WCC, 3M, BIO-key, Accenture, e-DATA, MaxID, National Biometric Security Project, CSC, SmartMatic, Northrop Grumman, Merkatum, ZK Software, SAIC, West Virginia University-Center for Identification Technology Research, IDTECK, Greenbit, Daon, San Jose State University, IEEE, Human Recognition Systems, Synochip, Airborne Biometrics Group, Avalon, Smart Sensors, TBS, Cognitec, Acuity, SecurLinx, Speech Technology Center, Suprema, HSB, Hanwang Technology, Triad, Time Management Inc, Wasp Barcode Technologies, C-True, Digital Persona, Fingerprint Cards, Hoyos Group, IdentiMetrics, Sonda, TAB, M2SYS, Integrated Biometrics, Secugen, SOFTPRO, Validity, Animetrics and UIDAI.

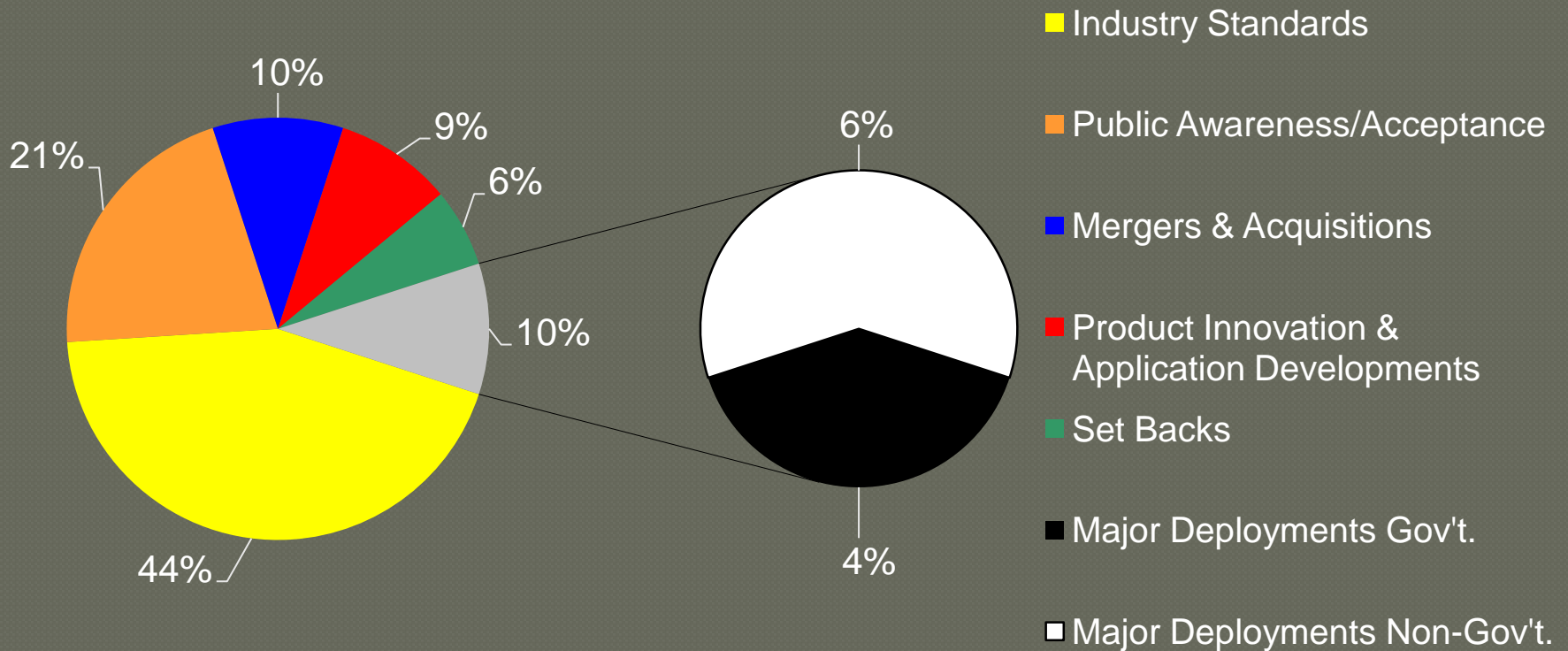
Global Perspective

Canada, India, Slovenia, Spain, Russia, Australia, China, Ireland, Brazil, Hong Kong, Sweden, Mexico, Germany, UK, Israel, France, Korea, The Netherlands, Lithuania, Singapore, Japan, Italy, Malaysia and the USA

**In your view, what have been the
three most significant
milestones/announcements for the
Biometric Industry this year?**

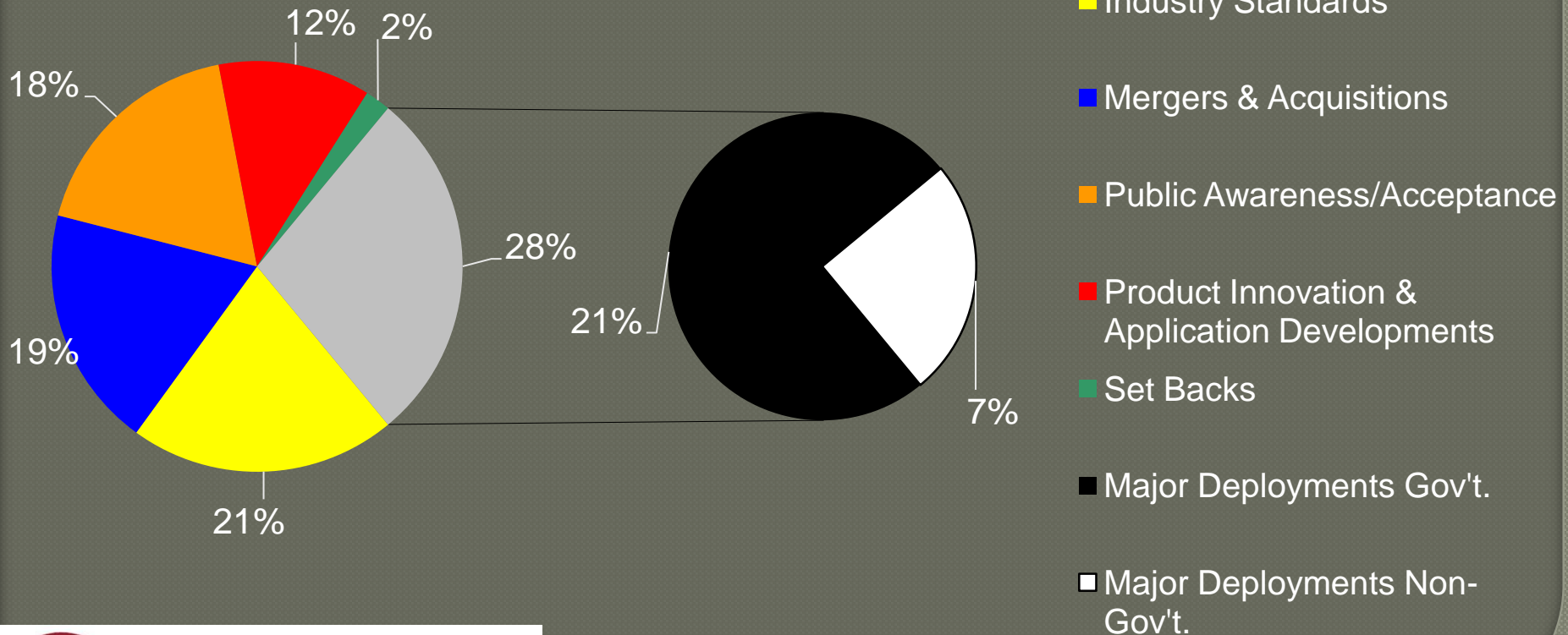
Significant Milestones

2004



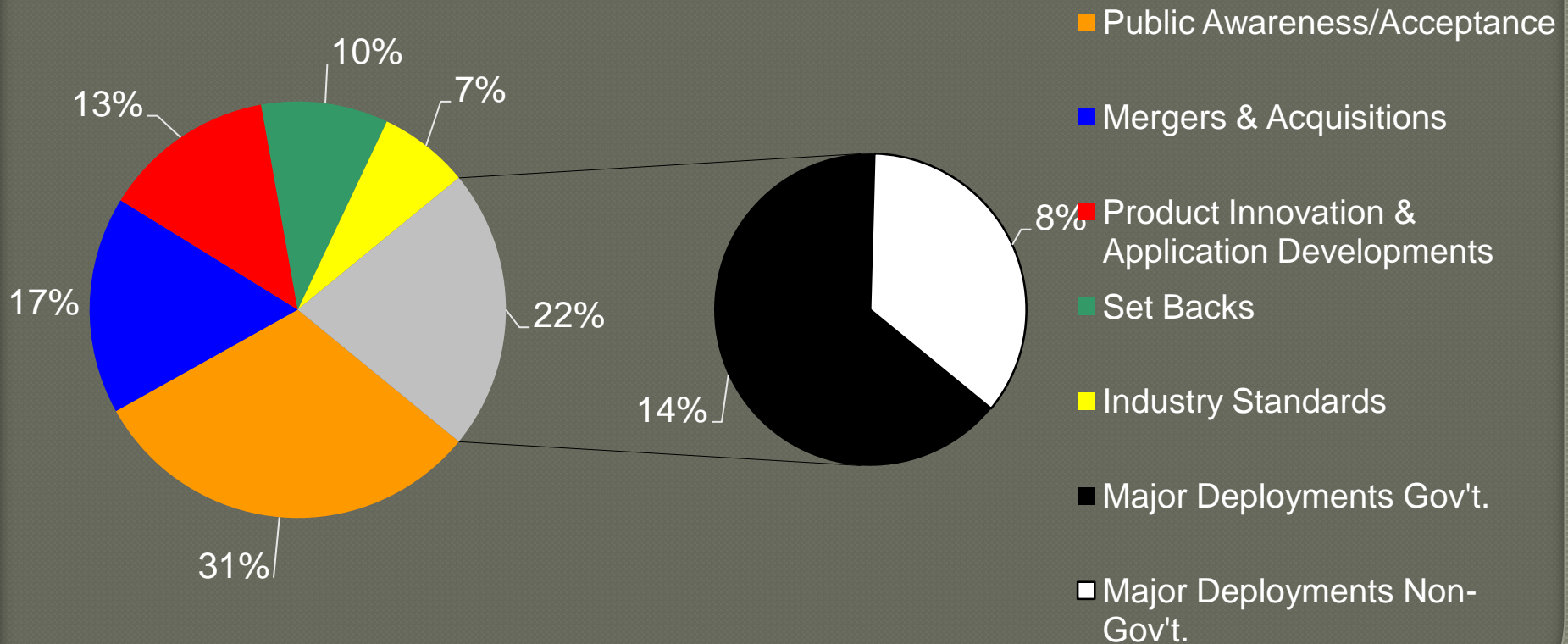
Significant Milestones

2006



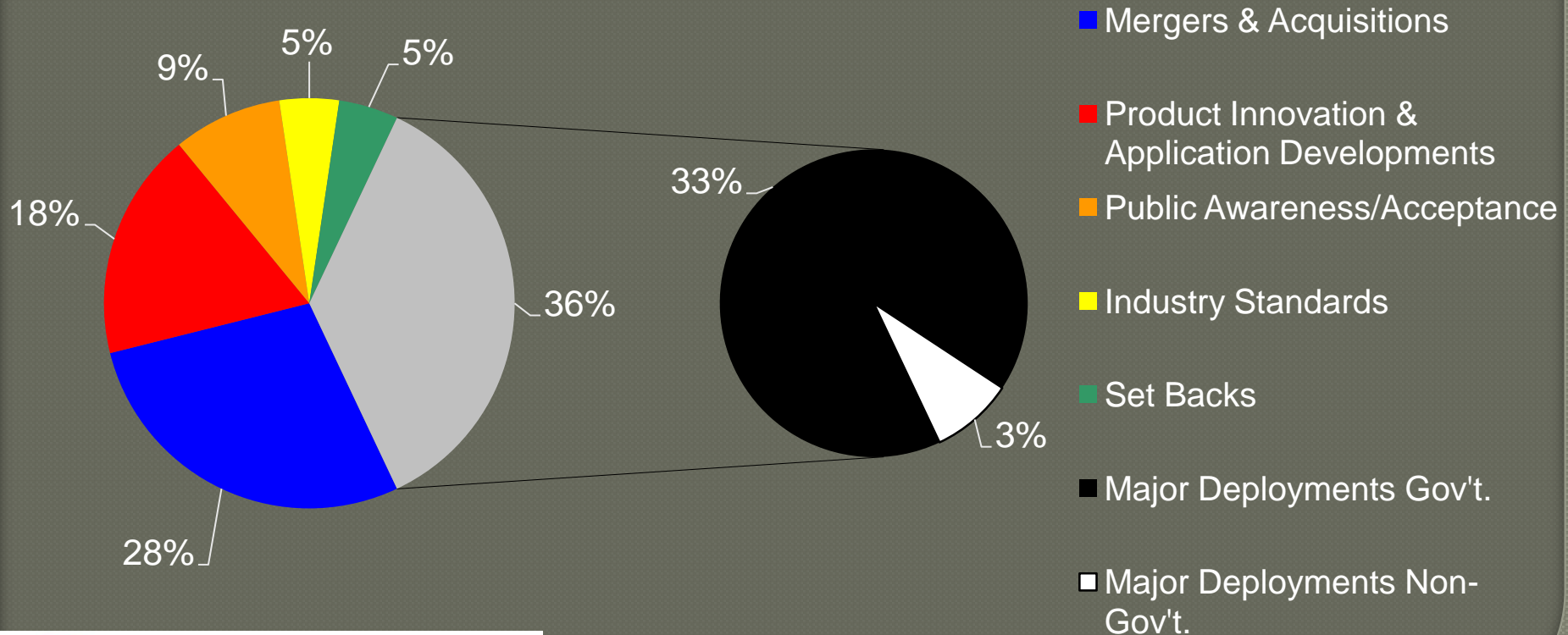
Significant Milestones

2008



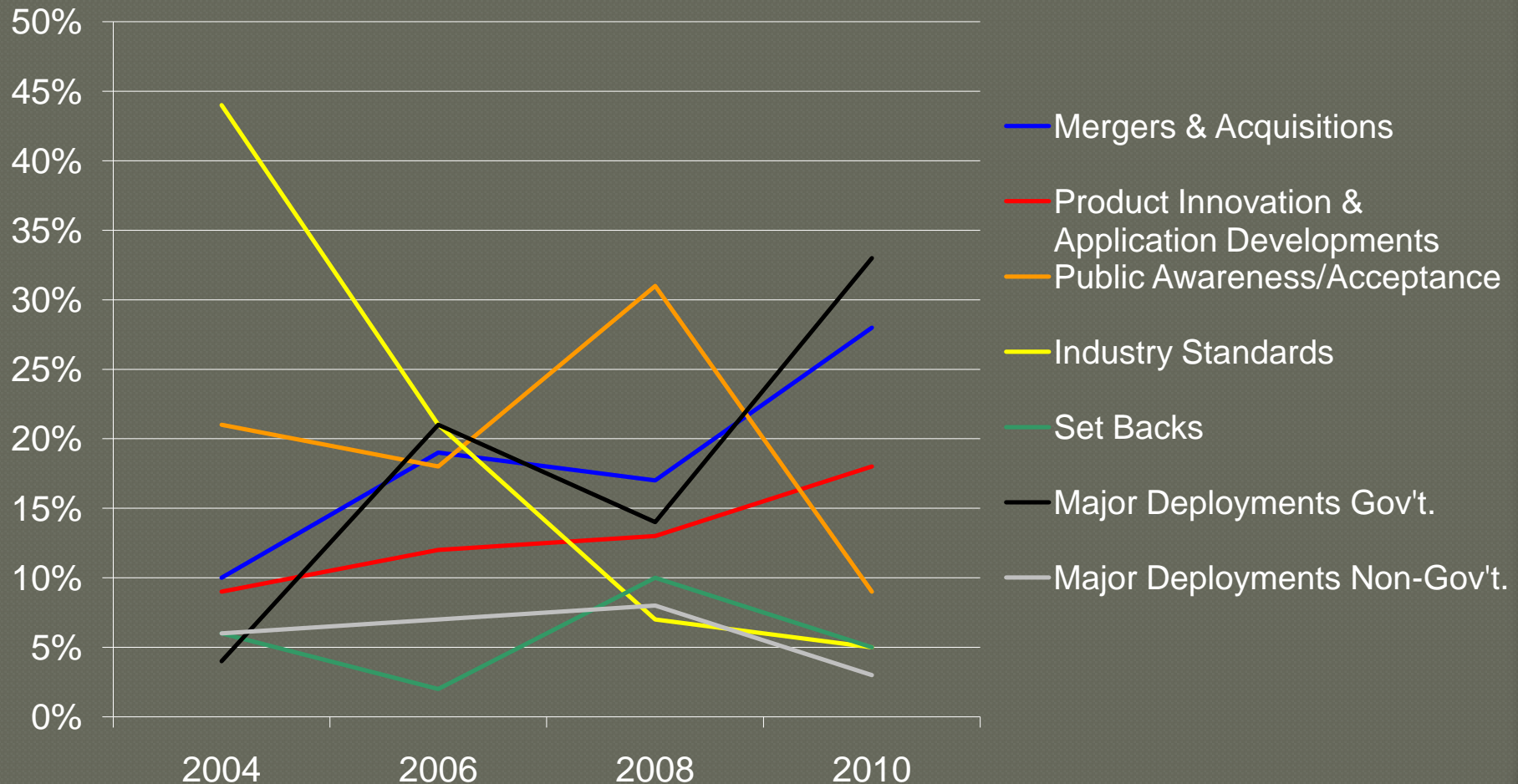
Significant Milestones

2010



Milestone Trends

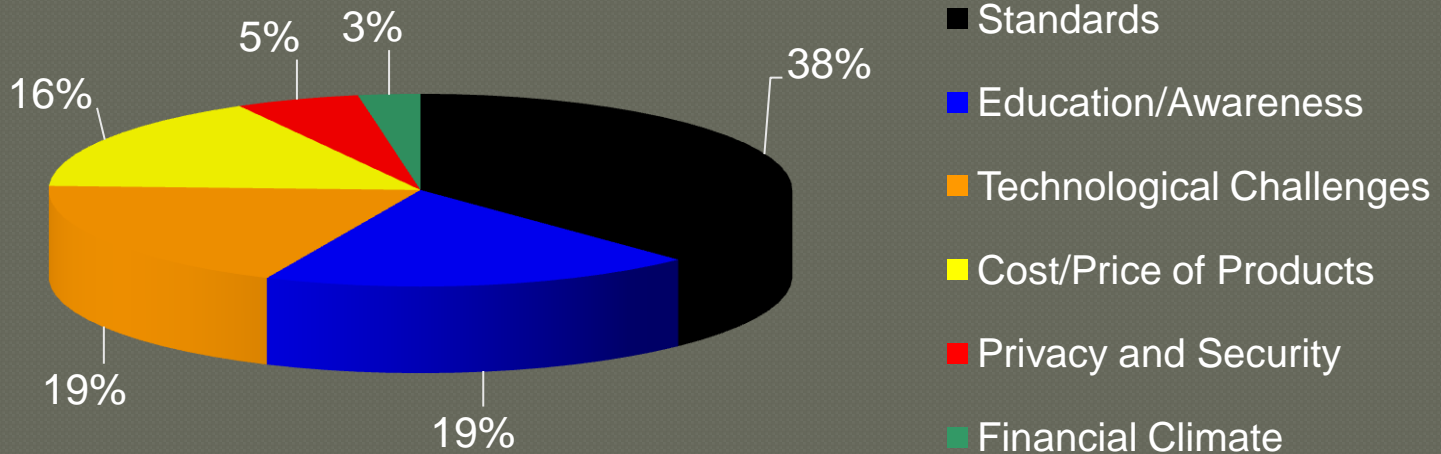
Note: Industry Standards, M&A, and Major Deployments



What are the most pressing issues facing the Biometric Industry as we move into the next year?

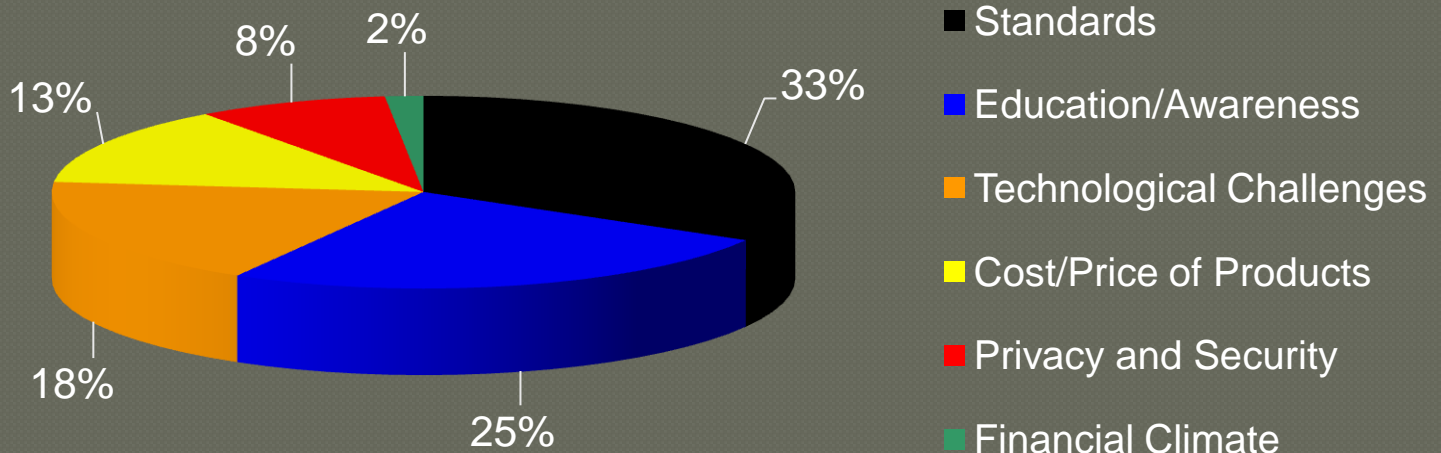
Issues Facing Biometric Industry

2004



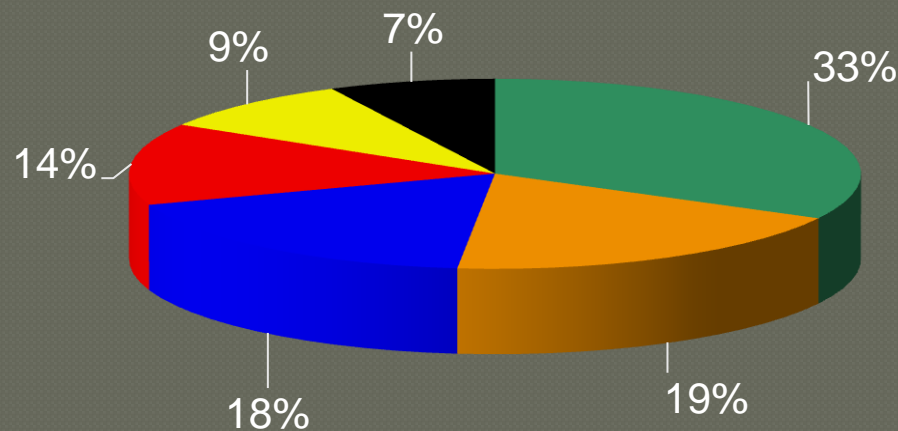
Issues Facing Biometric Industry

2006



Issues Facing Biometric Industry

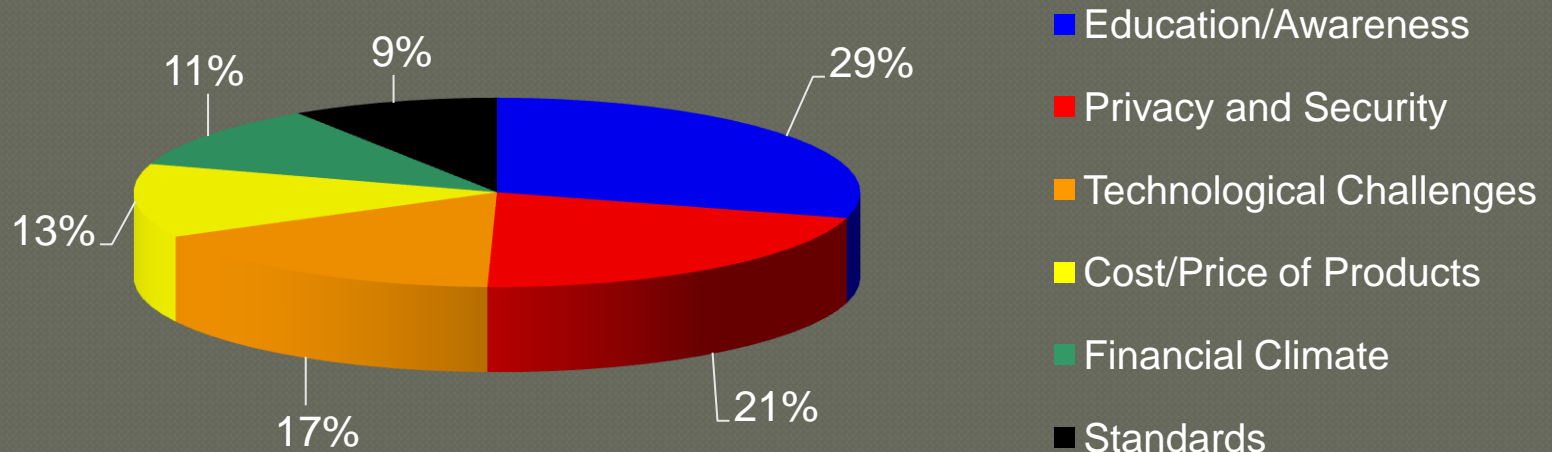
2008



- Financial Climate
- Technological Challenges
- Education/Awareness
- Privacy and Security
- Cost/Price of Products
- Standards

Issues Facing Biometric Industry

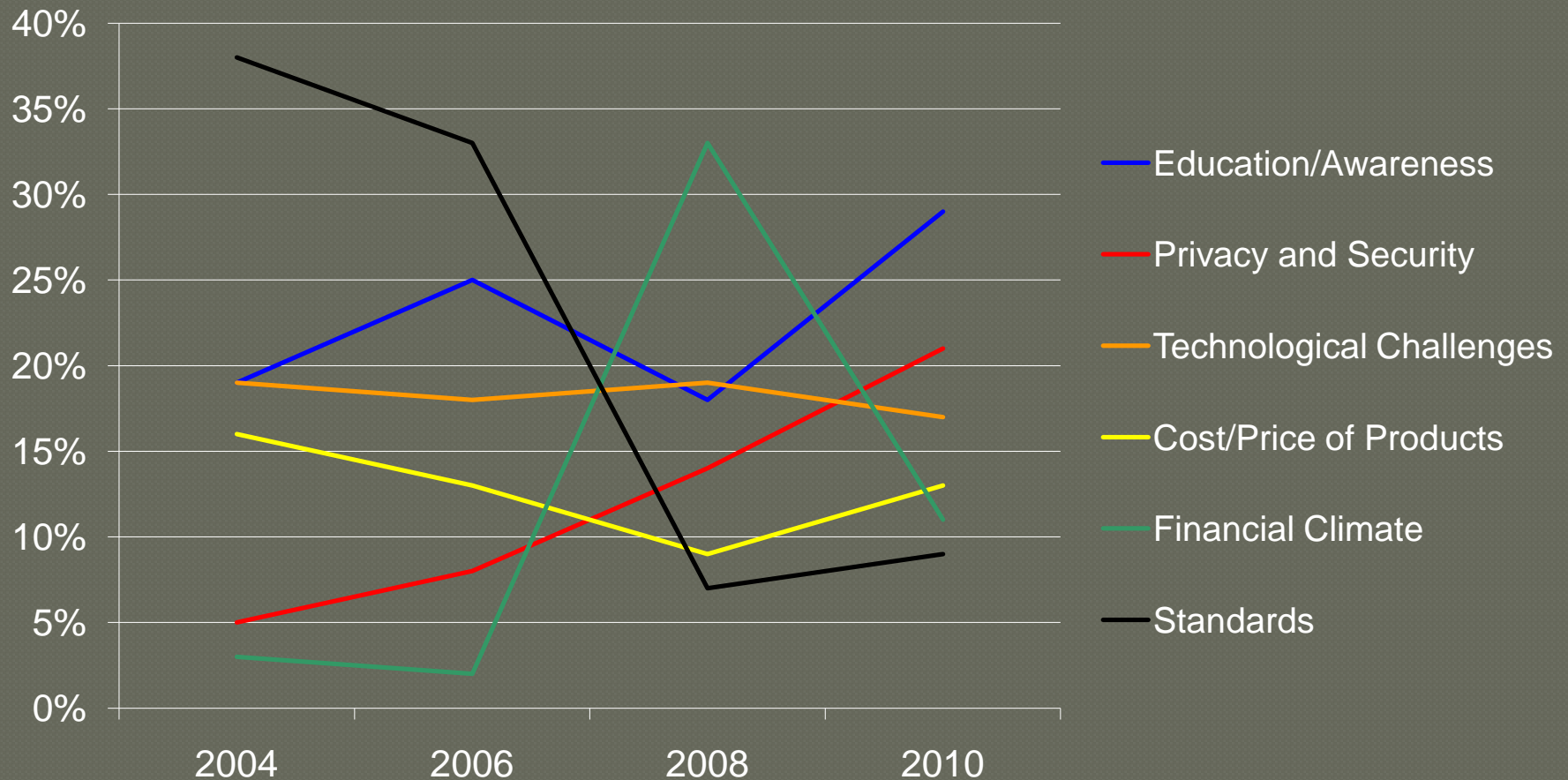
2010



Changing Issues Facing Biometric Industry

Note: Standards,

Education and Privacy



What's Next The Future

*Michael Delkoski, V.P., General Manager, 3M
Security System Division.*

You're asking, however, about what the future holds; and what we're counting on is that, over time, --and this is similar to GPS technology—that biometrics will migrate into many various verticals and a great many applications. There will be applications in the hospitality industry, in the financial industry, and I believe that you'll also see an increase in applications in building access sector. I am truly hoping that the technology, itself, will be able to drive itself down in costs, something similar to how GPS systems have.

The Future

What the experts are saying

The fledgling industry is poised for explosive growth over the next four years, owing in large part to continuing technological advances and a growing number of potential commercial and consumer applications.

The Future

HOWEVER, THIS IS WHAT THE EXPERTS
WERE SAYING ABOUT GPS IN 1995!

The fledgling industry surrounding the **Global Positioning System** is poised for explosive growth over the next four years, owing in large part to continuing technological advances and a growing number of potential commercial and consumer applications.

The Future

THE GROWTH AREAS

- Mobile Applications
- Financial Service
- Health Care
- Online security
- Physical Access
- Automotive
- National ID Programs
- Homeland Security
- Travel
- Law Enforcement
- Time & Attendance
- Transportation
- Gaming
- Aviation
- Residential
- Hospitality

Let's take a look at just one area in more depth.

The Future

AT&T, VERIZON TO TARGET VISA, MASTERCARD WITH SMARTPHONES

- Mobile technology for banking and payments is reaching “a tipping point,” with younger consumers leading the way, Mercatus LLC, a Boston-based consulting firm, said in a June 7 study. More than half of U.S. consumers, and almost 80 percent of those between the ages of 18 and 34, will use mobile financial services within five years, according to Mercatus.
- “This is definitely a game-changer,” said industry consultant Richard Crone of San Carlos, California-based Crone Consulting LLC.

The Future

HOW APPLE AND GOOGLE WILL KILL THE PASSWORD

- AT&T and Verizon are not the only players interested in dominating this area.
- All Apple needs to do in order to turn the iPhone into a universal debit card is to add a tiny, inexpensive chip to the device. And all Apple needs to do in order to make the iPhone a universal secure ID is to add a fingerprint scanner to the phone and put another chip in its various desktop systems.
- The Android platform has also been at the forefront of workable biometric solutions for cell phones. In fact, you can already download Android apps that do face recognition and iris scanning.

The Future

This one example of the 16 that I showed earlier, illustrates the explosive growth potential of the Biometric Industry. Imagine layering on top of this growth potential the other 15 and you get an idea of where it could go and keep in mind what happened to GPS.

As a final note, keep an eye on the UIDAI Project (The Unique Identification Authority of India) in India. This is also a “game changer” for the industry!

Thank You

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IBIA.org International Biometric and
Identification Association