Agenda

- About Me

- Adobe's Cloud Journey

- Cloud Security Strategy

- Integrating Compliance into the Security Strategy

- Adobe Common Controls Framework (CCF) Strategy

- Conclusions/Wrap-Up

About Me

- 20+ years in consulting, product management and compliance

- 13 years at Adobe managing various Compliance, Risk, Audit and Assurance Management programs

- Started career in the Big 4

Adobe Document Cloud   Adobe Creative Cloud   Adobe Marketing Cloud

Adobe Creative Cloud Journey

• Marketplace

• Creative Profile
• Talent

• The 2014 release
• Mobile Apps
• Creative SDK

2015

• Creative Cloud for enterprise
• Creative Cloud for teams

2014

• Photography
• Community

• CS6

2013

• Creative Cloud for Individuals

Reimagine creative process

2012

Desktop + mobile

Enhance services

Adobe Document Cloud Journey

- One billion PDFs online
- Acrobat subscriptions
- Mobile Link

- Document Cloud launch

- First online services available on Reader mobile

- Acrobat XI launch

- Adobe acquires EchoSign
- Adobe EchoSign launches first mobile app

- Online services available via Reader
- First release of Reader mobile

- PDF becomes ISO standard

2015

2014

2013

2012

2011

2010

2008

Strong PDF franchise

Desktop + mobile

Create, edit, sign & track with services

Adobe Marketing Cloud Journey

- Visualization
- Automation
- Integration

- Core Services
- Platform
- Mobile

2015

- Campaign
- Video

- Adobe Marketing Cloud
- Social

2014

- Target
- Media Optimizer

- Analytics
- Experience Manager

2013

2012

Explosive category

Market-leading platform

Expansion beyond marketing

Cloud Strategy Impact on Adobe

Products & Technology

Revenue & Metrics

Operations

Sales

People

Security & Compliance

Adobe Cloud Strategy

- Creative Cloud
- Marketing Cloud
- Document Cloud
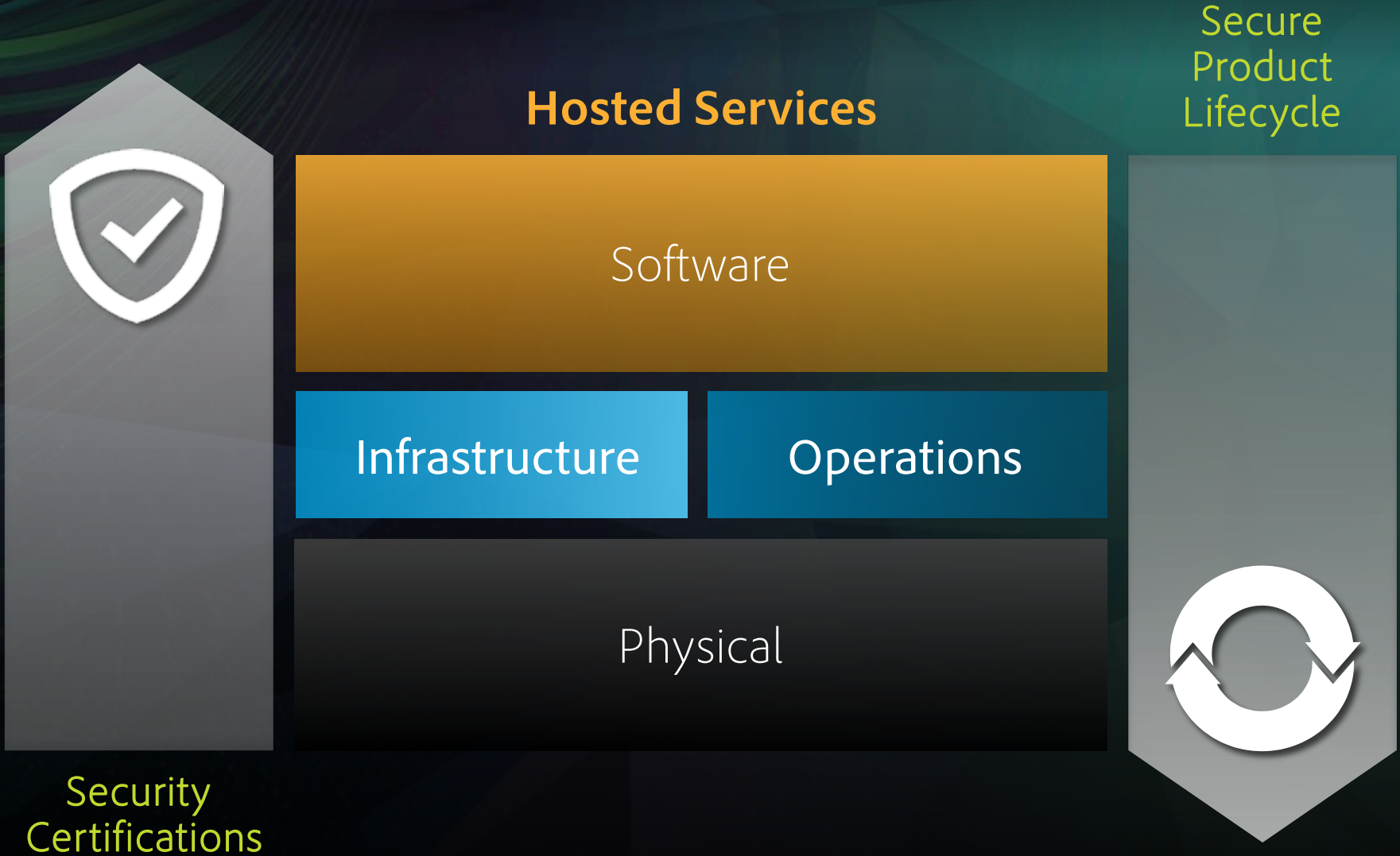
Security Compliance – Core Competency & Priority for SaaS

- Information security is a core competency for SaaS

- Era of "just trust us" is over – show us the certifications!

- SaaS Vendor Priority – Protecting Customers and their data

- Cloud Compliance provides basic building blocks for a mature Information Security program

- Security, data privacy & sovereignty are prerequisites for any large deal.

- Compliance accelerates the deal process and has become a Competitive Advantage

Our Security & Compliance Strategy

Secure Product Lifecycle

Hosted Services

Software

Infrastructure

Operations

Physical

Security Certifications

Digesting the Security Compliance Soup

The Adobe Common Controls Framework (CCF)

10+ Standards, ~1000 Control Requirements (CRs)

~ 200 common controls across 11 control domains

SOC 2 (5 Principles) – 116 CR
Service Organization Controls

ISO 27001 – 26 CRs
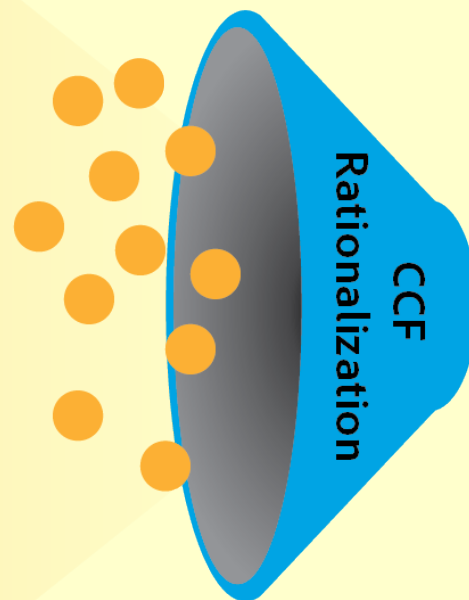International Organization for Standardization

PCI DSS – 247 CRs
Payment Card Industry – Data Security Standard

FedRAMP – 325 CRs
Federal Risk and Authorization Management Program

ISO 27002 – 114 CRs
International Organization for Standardization

SAFE HARBOR – 7 CRs
Safe Harbor

SOX 404 (IT) – 63 CRs
Sarbanes Oxley 404

CCF Rationalization

Asset Management – 12 Controls

Access Control – 30 Controls

BCM – 10 Controls

Cryptography – 11 Controls

Data Privacy – 10 Controls

Incident Response – 6 Controls
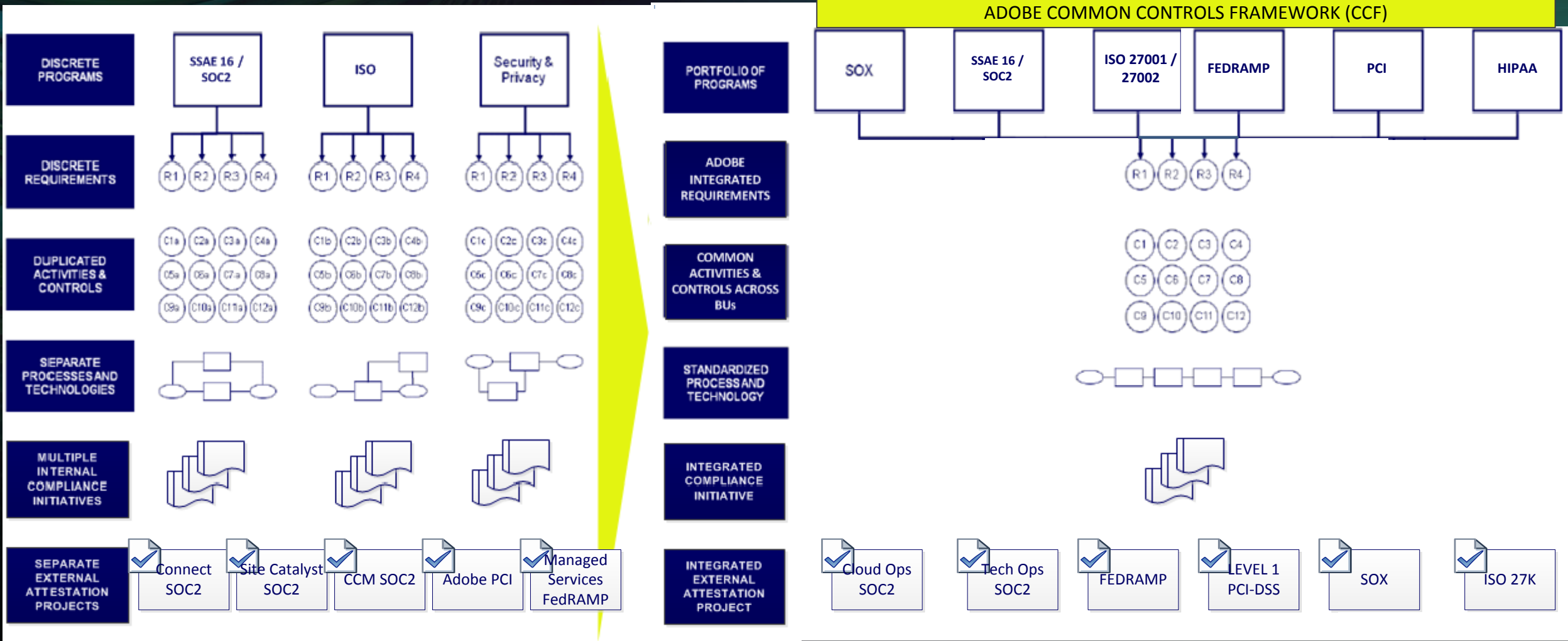
Operations Management – 70 Controls

Physical and Env. Security – 16 Controls
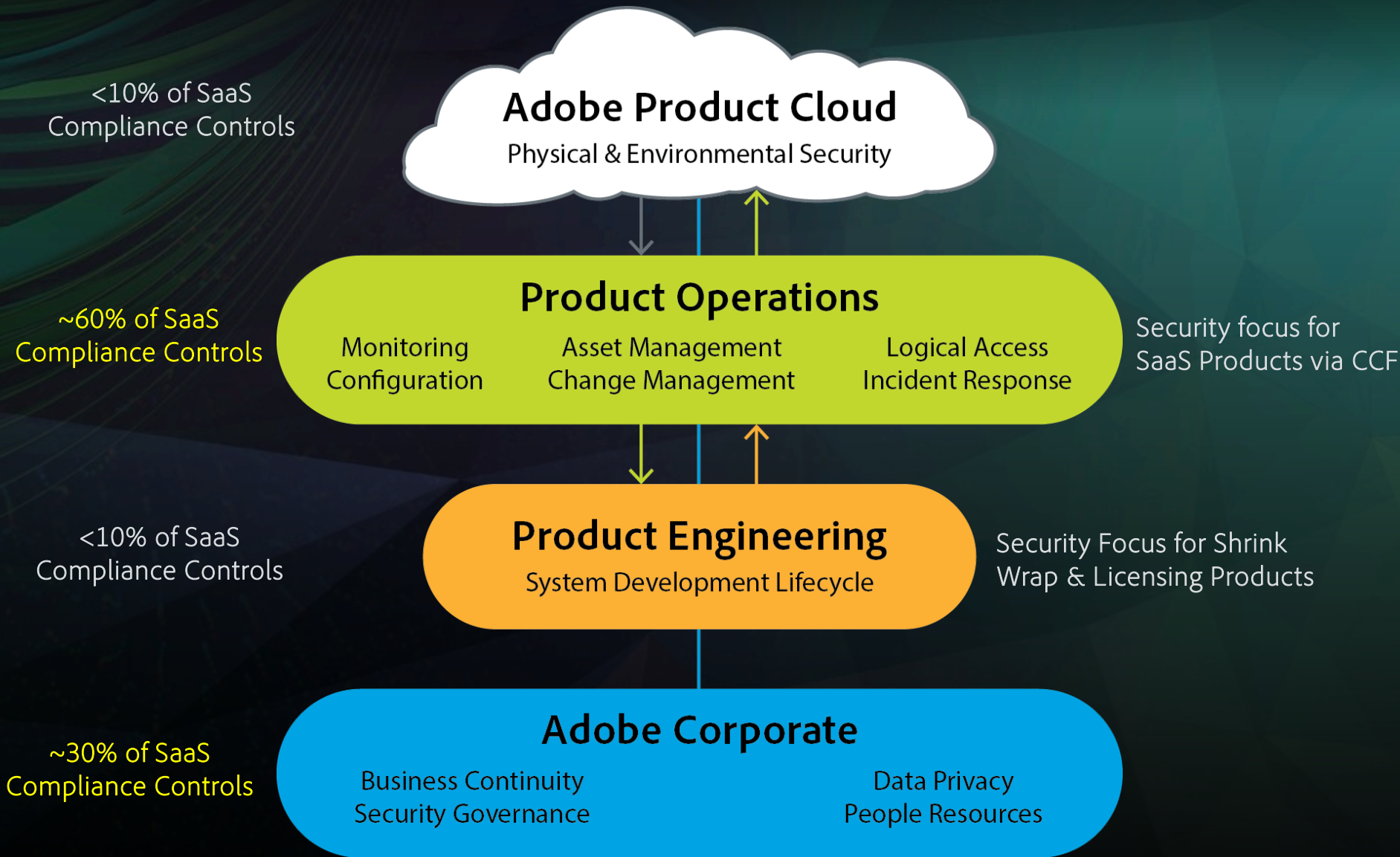
People Resources – 11 Controls

SDLC – 11 Controls

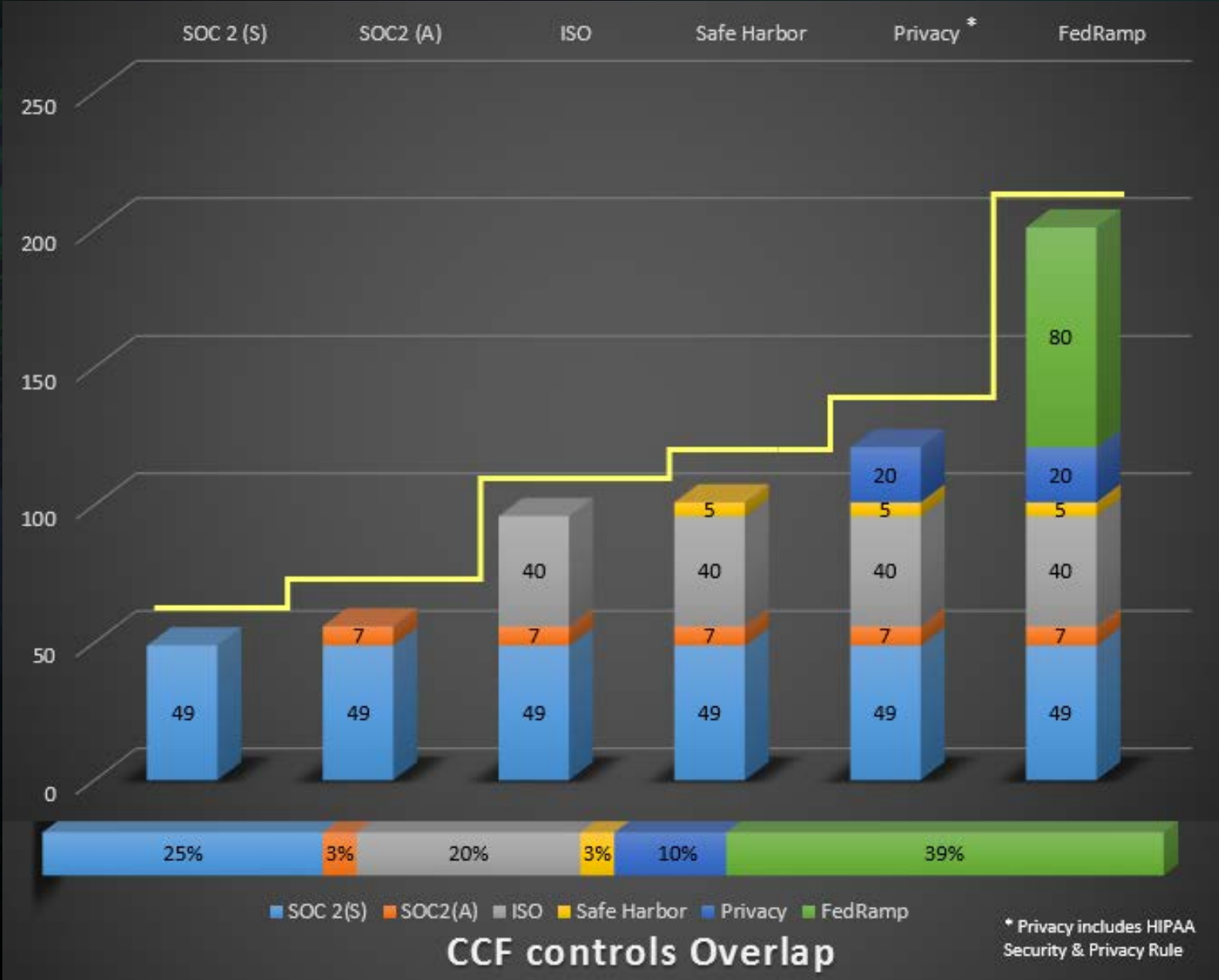Security Governance – 31 Controls

Integrate Security Requirements into Central Compliance Program

Security for SaaS – Conceptual Model & Focus Areas for Compliance

<10% of SaaS
Compliance Controls

Adobe Product Cloud
Physical & Environmental Security

~60% of SaaS
Compliance Controls

Product Operations

Monitoring
Configuration

Asset Management
Change Management

Logical Access
Incident Response

Security focus for
SaaS Products via CCF

<10% of SaaS
Compliance Controls

Product Engineering
System Development Lifecycle

Security Focus for Shrink
Wrap & Licensing Products

~30% of SaaS
Compliance Controls

Adobe Corporate

Business Continuity
Security Governance

Data Privacy
People Resources

CCF Implementation Approach

CCF controls Overlap

* Privacy includes HIPAA Security & Privacy Rule

Leverage GRC Technology for Sustainable CCF Compliance

Integrated Compliance Dashboard	Governance, Monitor compliance activity on various levels with real-time reports and dashboards
Standardized Compliance Activity	Automate processes using Assessment and Survey workflow with Issue Escalation
Efficiently Plan, Scope, and Deploy	Leverage integrated program and organizational scoping to efficiently deploy compliance assessments
Centralized Program Repository	Integrate compliance program and centrally store files, data, evidence, and results
Automated Controls Monitoring	Automate control monitoring using event-driven, exception-based criteria

Security & Compliance Governance Model
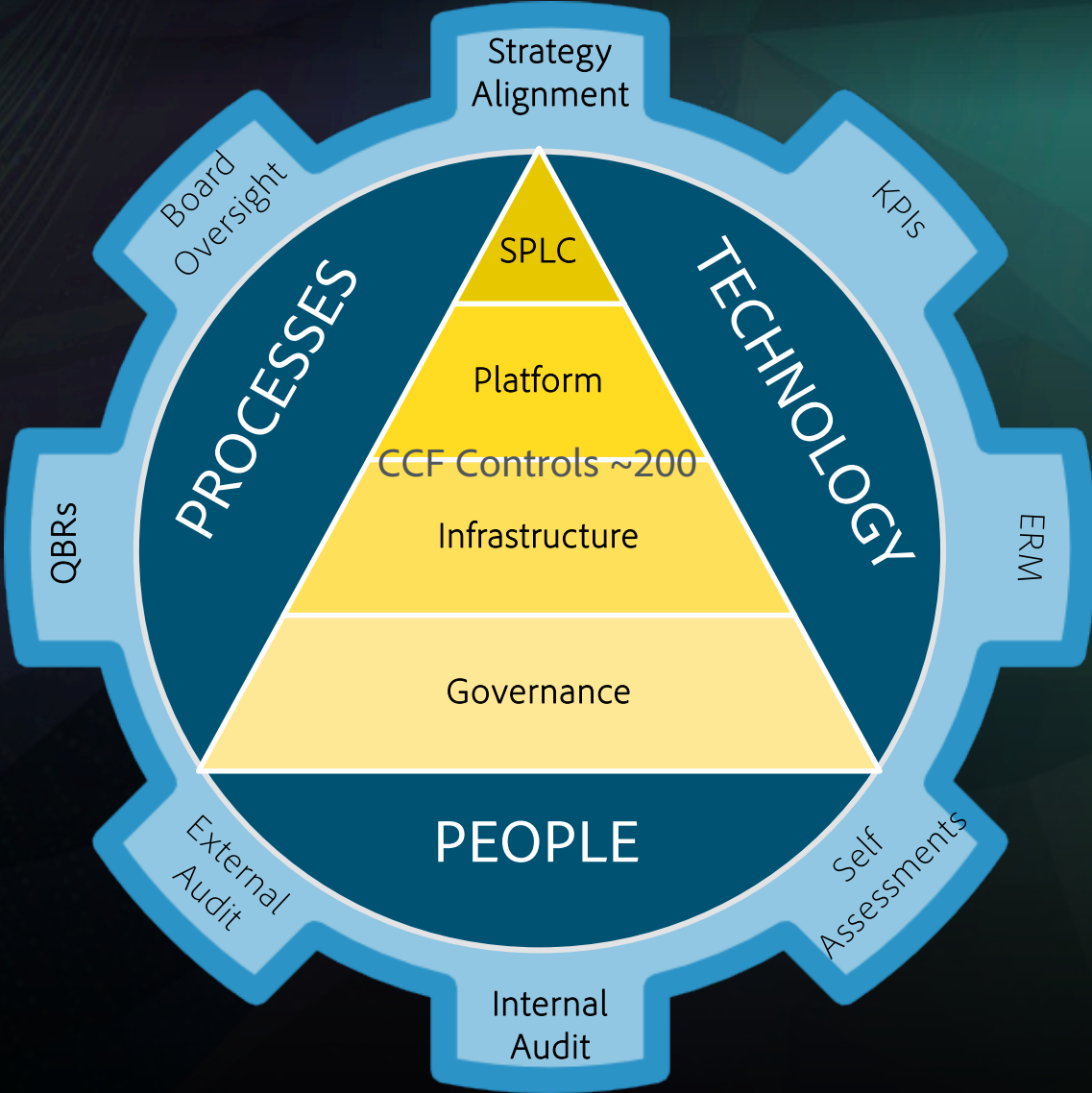
Adobe's Cloud Security & Compliance Journey - Lessons Learned

- ✓ Security is a core competency and pre-requisite for a successful cloud services strategy

- ✓ Security & Compliance are not synonymous

- ✓ Create your own CCF - ENISA certification schemes list is the right approach and best practice

- ✓ Involve all stakeholders, get buy-in and support from Exec Management

- ✓ Mature Cloud Operations function - Vital to a successful Compliance program

- ✓ Prioritization – Cloud Engineering vs. Security & Compliance Trade-offs

- ✓ Realistic Implementation Roadmap

- ✓ Consider a GRC Solution to manage compliance

- ✓ Certification Strategy – Test Once, Comply & Certify with Multiple Standards

- ✓ On-going Compliance strategy

Q&A

Security portal
http://adobe.com/security

Security @ Adobe blog
http:// blogs.adobe.com/security/

Advisories and updates
http://www.adobe.com/support/security

Twitter: @AdobeSecurity