

Computer Software Assurance

Paradigm Shift

Shana D Kinney

Sr Manager, CSV REGENXBIO Inc.

Ken Shitamoto

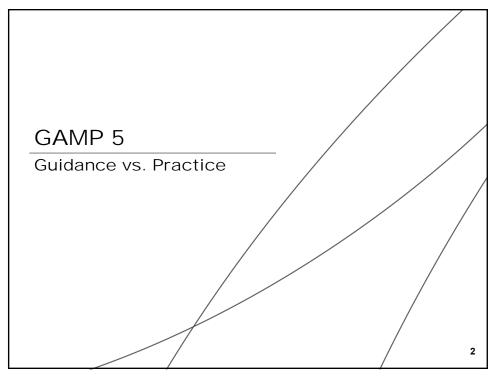
Sr Director, IT Gilead Sciences

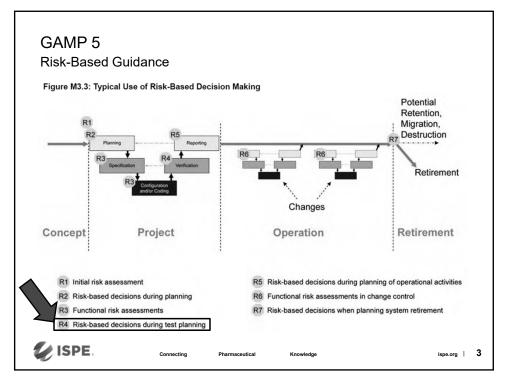
Khaled Moussally

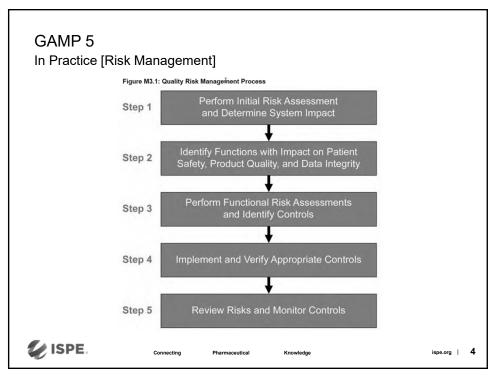
Global Head of QMS Compliance Group

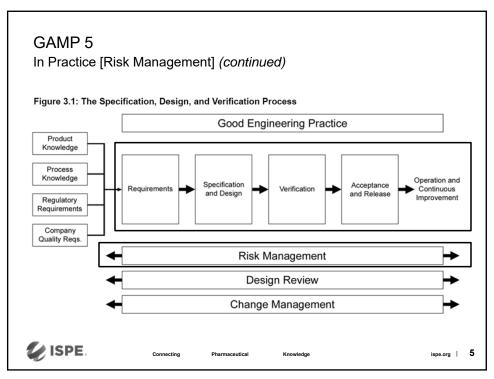
January 16, 2020

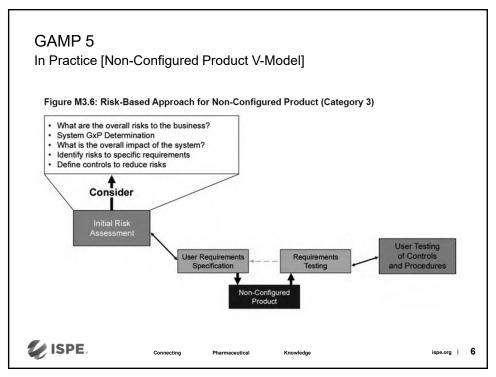
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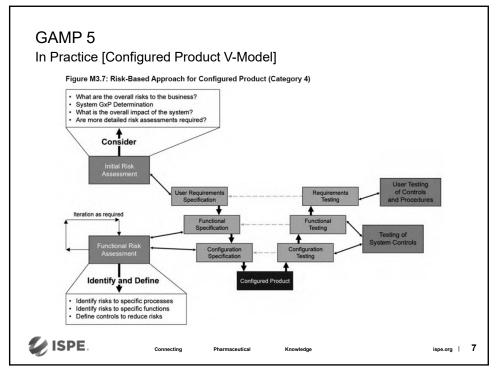














FDA CDRH

Case for Quality

"...the FDA is working with stakeholders—industry, health care providers, patients, payers, and investors—to build a strong Case for Quality."

https://www.fda.gov/medical-devices/quality-and-compliance-medical-devices/case-quality

Computer Systems Validation identified as a major pain point and barrier for moving to better, more efficient technology.



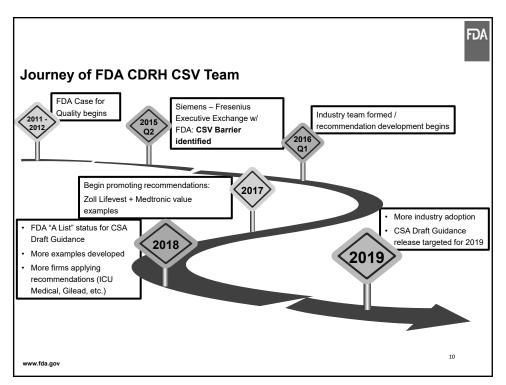
Connecting

Pharmaceutica

Knowledge

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The Industry CSV Team

Company	Name
Baxter Healthcare	Tina Koepke
Boston Scientific	Damien McPhillips
Boston Scientific	Ray Murphy
Compliance Group	Khaled Moussally
Edwards Lifesciences	Penny Sangkhavichith
Edwards Lifesciences	Andy Lee
FDA	Cisco Vicenty
FDA	John Murray
Fresenius Medical Care	Bill D'Innocenzo
Fresenius Medical Care	Curt Curtis
Fresenius Medical Care	Marc Koetter
Gilead Sciences	Ken Shitamoto
Gilead Sciences	Senthil Gurumoorthi



Company	Name
Johnson and Johnson	Dana Guarnaccia
Johnson and Johnson	Ron Schardong
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Medtronic	Frankie Bill
Medtronic	Michael Branch
Medtronic	April Francis
NeuroVision Imaging	Pepe Davis
Ortho-Clinical Diagnostics	Des Chesterfield
Siemens PLM	Jason Spiegler
Siemens PLM	Greg Robino
Siemens PLM	Thorsten Ruehl
Zoll Lifevest	Frank Meledandri Sr.

Contributions also provided by past team members: Stacey Allen, Jason Aurich, Sean Benedik, Laura Clayton, Bill Hargrave, Joe Hens , Scott Moeller & Mark Willis

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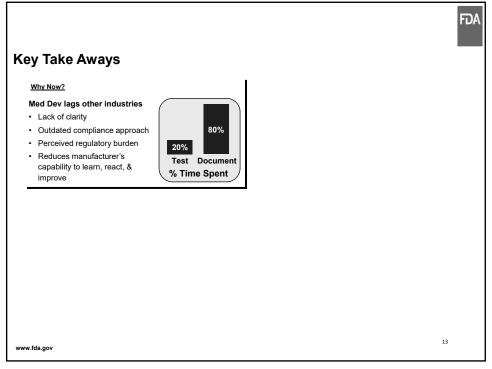


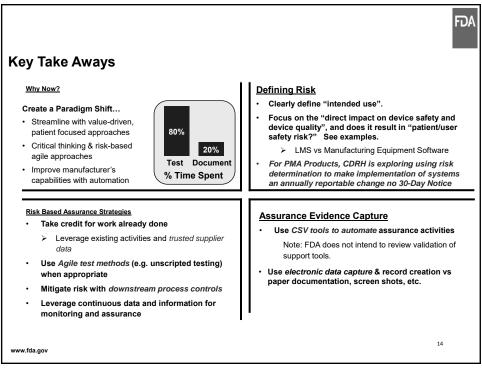
Computer Software Assurance Considerations and Approach

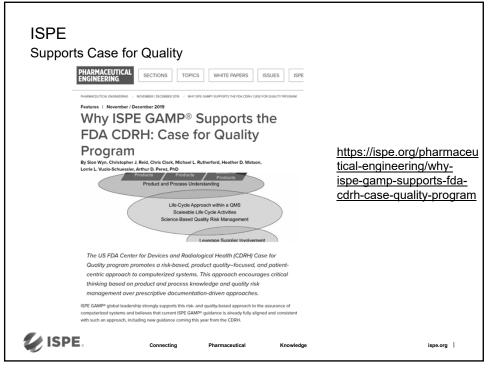
The Quality System regulations allow for a manufacturer to apply a critical risk-based approach to their assurance activities. Establishing the intended use of the system, software, or feature is the foundation for determining the direct impact to device safety, device quality, or quality system integrity. Furthermore, FDA is interested in the situations when a failure to fulfill the intended use of the system, software, or feature, directly impacting device safety and device quality, results in direct patient safety risk.

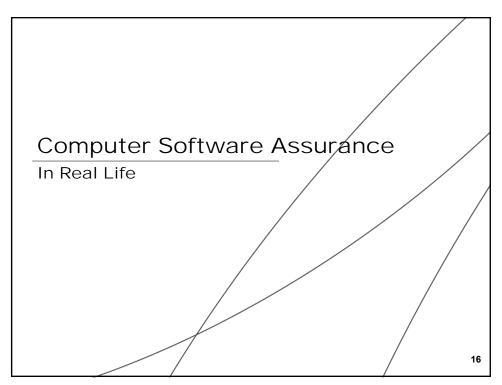
www.fda.gov

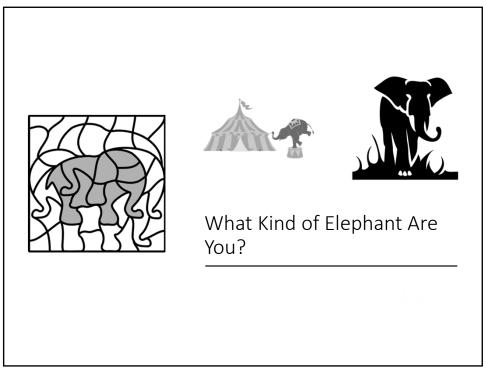
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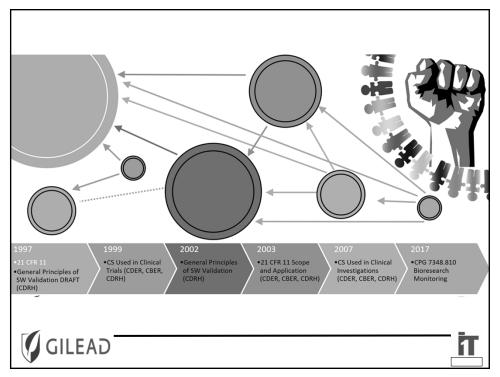


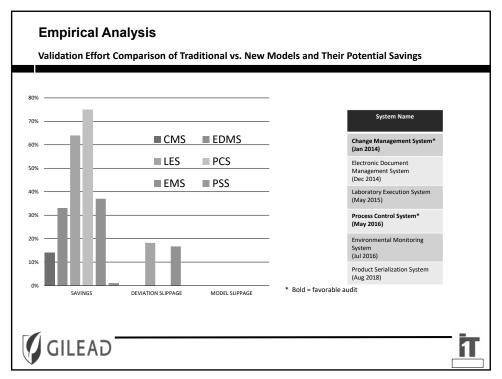


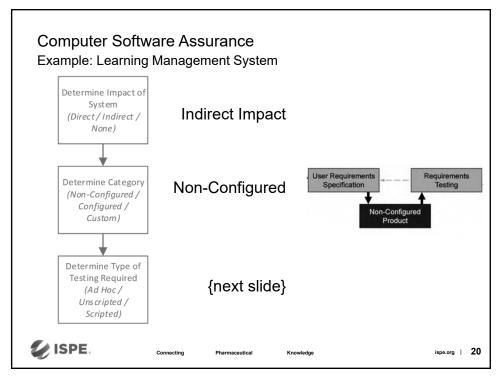


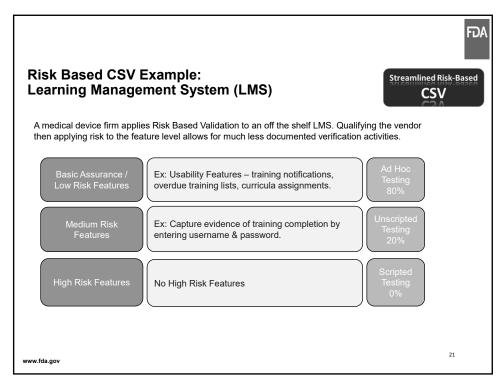


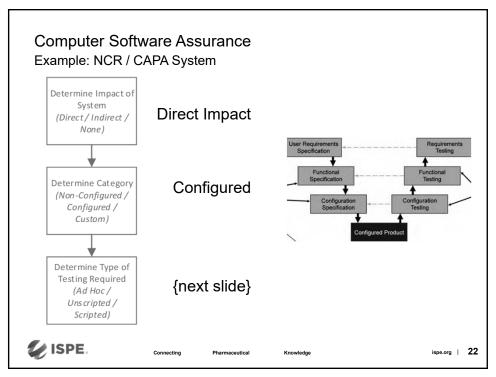


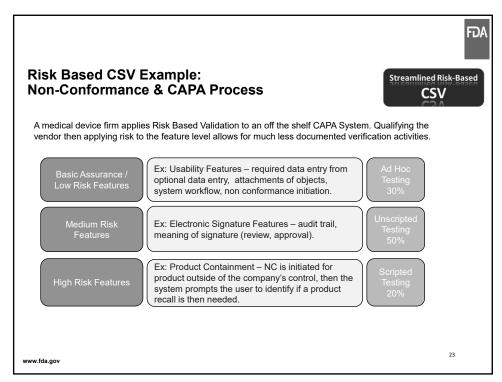


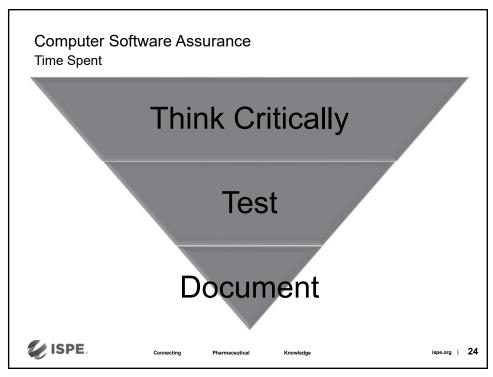


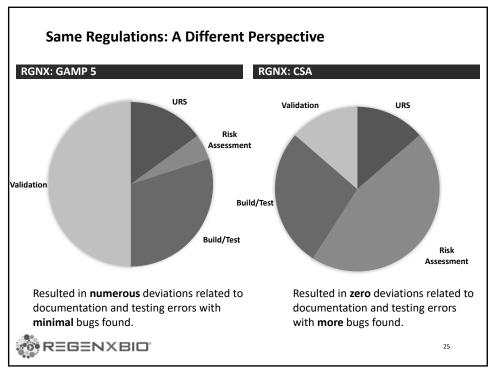




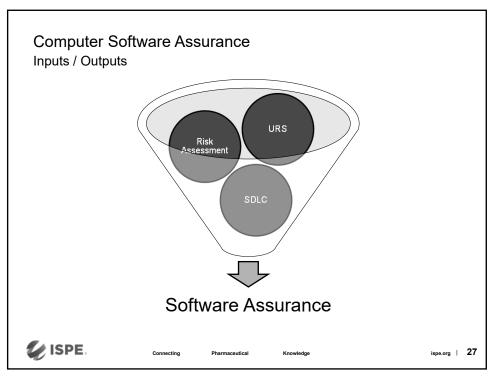


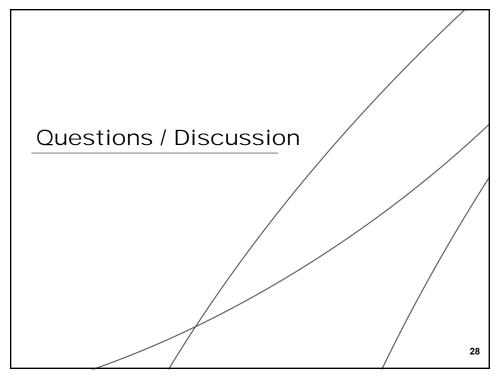






Same Regulations: A Different Perspective RGNX: GAMP 5 RGNX: CSA Require Risk Assessment for all GxP Conduct System Level impact assessments (Direct/Indirect/None) systems. Require Risk Assessment for Direct impact Require step by step IQ/OQ/PQ for systems only. all GxP systems. Require step by step protocols for Direct impact systems and only those URS items that are custom/direct impact. URS Risk Risk REGENXBIO





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