



IMDRF/DITTA Joint Virtual Workshop

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Cybersecurity - Where are we today?

Cybersecurity Best Practices

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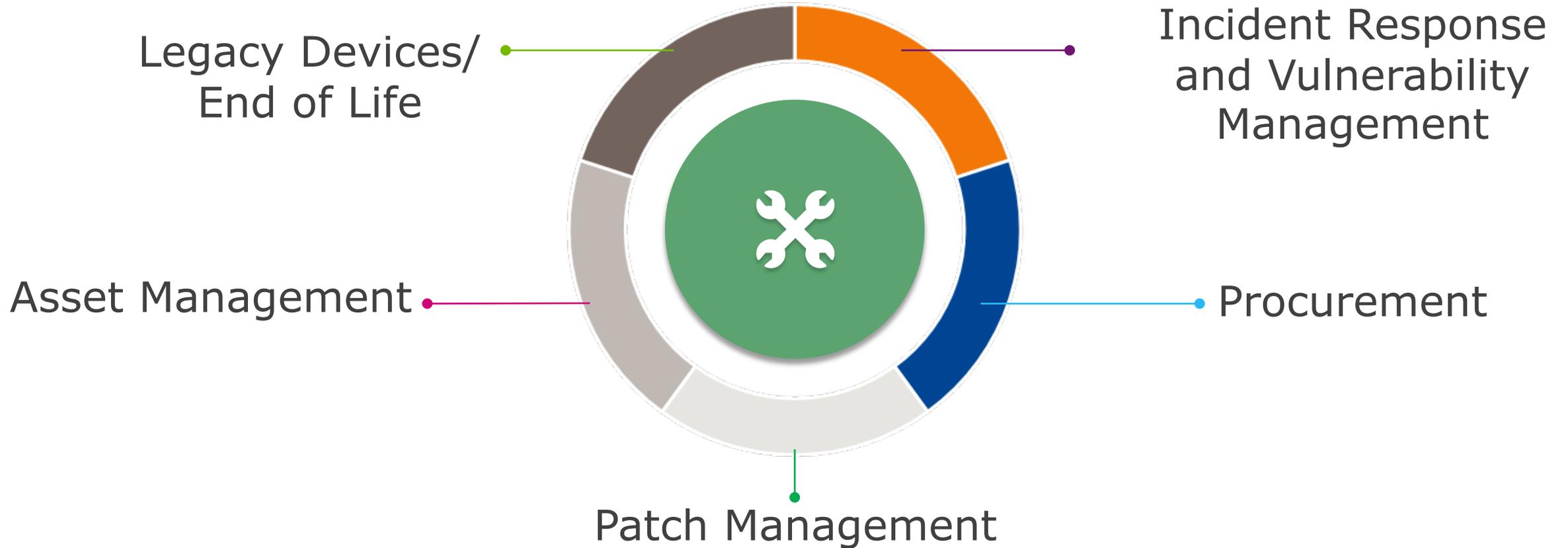
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Cybersecurity Trends in Healthcare

- Healthcare is the #1 target for cybercriminals.
- It's not just about patient privacy—it's also about *patient safety*.
- Cybercriminals work 24/7/365, using increasingly sophisticated techniques.
- Every hospital and every patient environment is unique, so there's no one-size-fits-all approach.
- Regulations are different in different locations.

Business Challenges of Cybersecurity



Striving for products and services that are secure...

Security by design, in use,
and through partnership.

Promote transparency,
trust, collaboration, and
control.

Build and empower a
community of practice.

Evolve with business
objectives

BY DESIGN

Products designed to be secure and developed with security in mind

IN USE

Products secured and maintained across their lifetime of use, across all technologies and sites including end-of-life decisions

THROUGH PARTNERSHIP

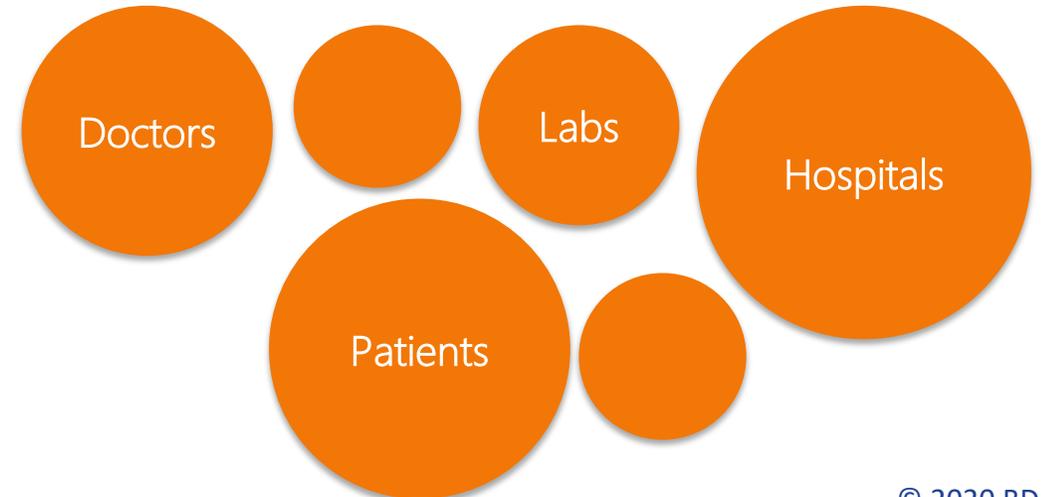
A culture of transparency, engagement and proactive responsiveness with customers and the security industry

Transparency

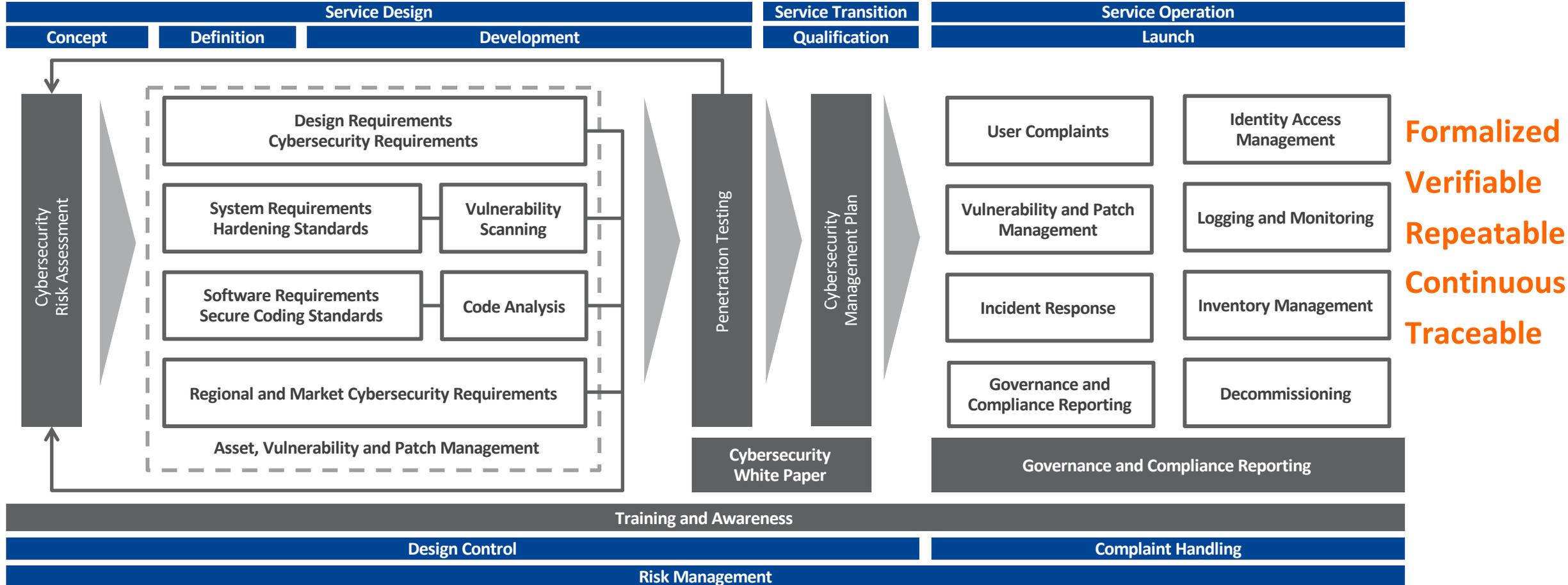
Industry-accepted measures
That are interoperable and
Manageable by customers

Control

Providing capability to
Meet different needs
In different environments



Cybersecurity Framework



Formalized
Verifiable
Repeatable
Continuous
Traceable



Cybersecurity Best Practices



- **Security by design, in use and through partnership:** Consider the entire lifecycle of the device, from R&D through end of life/end of support.
- **Collaboration is essential:** Regulators, healthcare providers and medical device manufacturers must work closely together; build a community of practice.
- **Apply proven best practices:** Network segmentation, patch management, Intrusion Detection Systems, malware protection, defense in depth, principle of least privileges.
- **Never be complacent:** Evolve with the latest strategies, like Zero Trust principles.
- **Educate your workforce:** Train them to recognize social engineering and phishing attacks



DITTA GLOBAL DIAGNOSTIC IMAGING,
HEALTHCARE IT & RADIATION THERAPY
TRADE ASSOCIATION



IMDRF International Medical
Device Regulators Forum

Thank you!