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RESILIENCE UNLOCKED

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Beyond Buzzwords

Practical Strategies for an IT-Centric Healthcare
Information Security Culture

by Yan Kravchenko, CISSP, CSSLP



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RESILIENCE
UNLOCKED

A graphic for 'Resilience Unlocked' featuring a globe on the right side with blue and white circuitry patterns overlaid on it.

Yan Kravchenko

Director of Core Technology and Information Security



Hennepin **Healthcare**



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RESILIENCE
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The background of the bottom right corner features a dark blue globe with glowing white circuitry lines overlaid on it.

Agenda

Background / Challenges

Essence of Resilience in Risk Management

Building Resilient Culture

Protect Investment in Culture

"The pace of technological change requires us to rethink our strategies for security and embrace a proactive, not reactive, mindset." – Bruce Schneier



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Reality today...

- Legacy / Technology Debt
- Complex Dependencies
- Technology Evolution
- Shrinking Budgets
- Medical Devices / IoT
- Cloud / SaaS
- Digital-First User Mentality
- App / Device Growth
- Talent Shortages
- Last-minute priorities
- Unscheduled downtime
- 0-day vulnerabilities
- Auditc, assessments, efficiency experts
- Industry paradigm shifts
- Vendor-sponsored nightmares



Essence of Resilience in Risk Management

Resilience is how we go on the offensive in Information Security -- Leigh McMullen, Gartner

- Teach people to talk about security
- Everyone is a stakeholder (not just words)
- Increase accountability / Empower quick actions
- Provide paths to escalate and de-escalate
- Practice Ongoing Risk Management



Why Ongoing Risk Management?

- Easy to ignore
- Often outsourced
- Often wrong
- Rarely actionable

Annual



- Improves culture
- Changes with the needs
- Action-oriented

Ongoing



Ongoing Risk Management Model

- Openly solicit risks
- Weekly discussion
- Majority Participants Representing multiple IT disciplines
- Empower decisions
- Escalate to leadership
- Accountability is the key

"Resilience is the capacity to recover quickly from difficulties. This should be the essence of your cybersecurity strategy."

– Stephane Nappo, 2018 CISO of the year

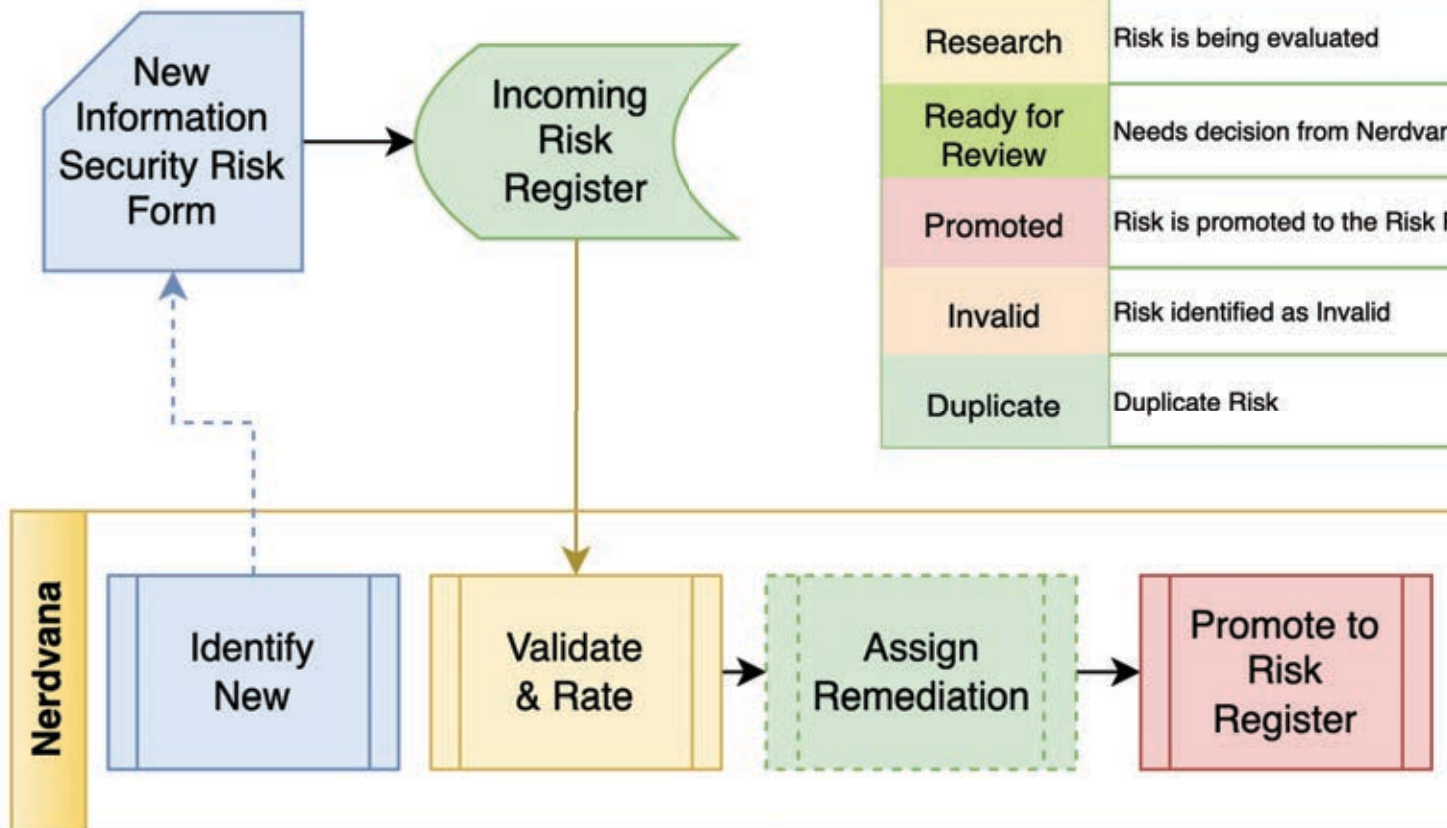


“Nerdvana”

Tools



Security Risk Intake

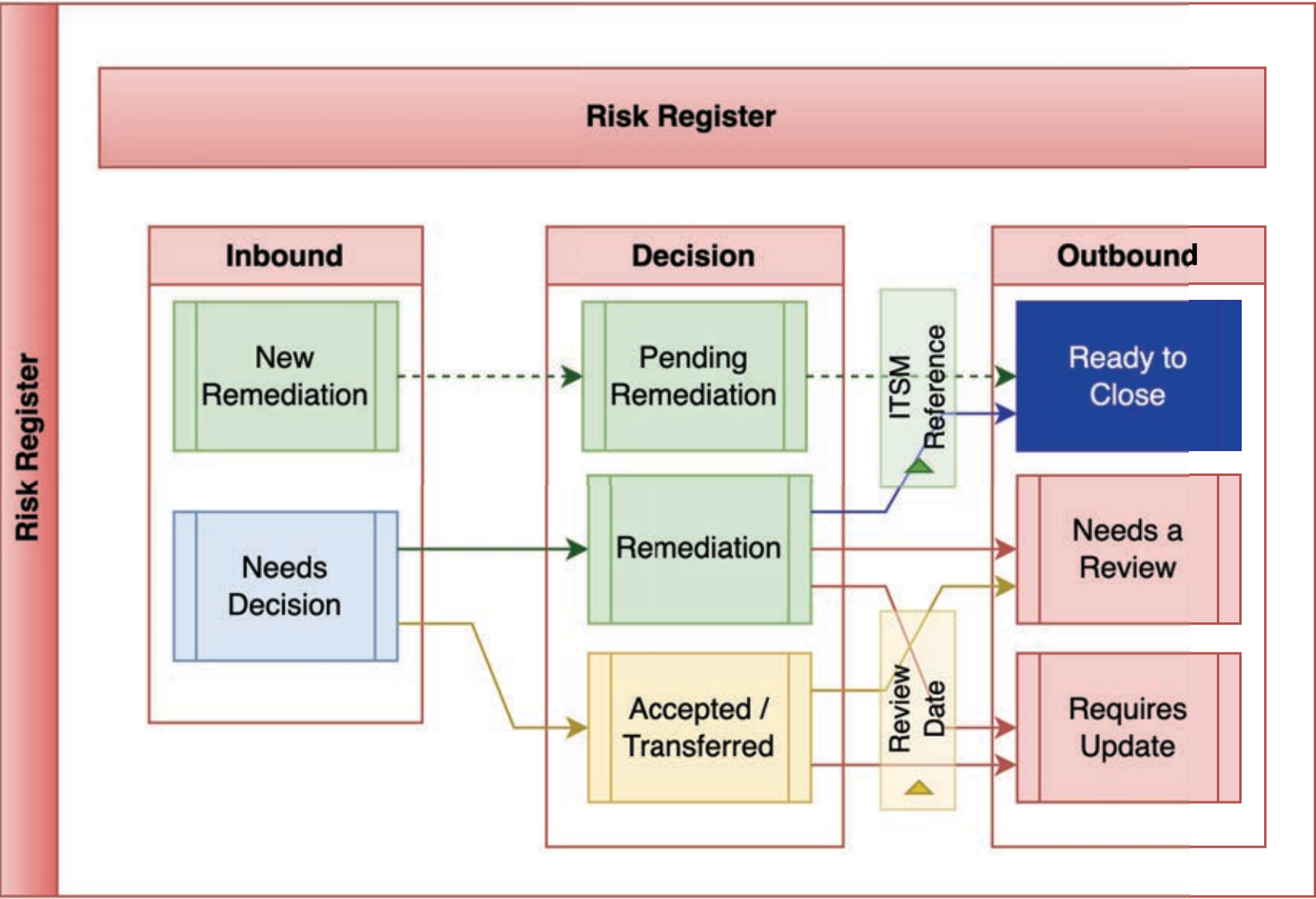


Status	
New	New Risk
Research	Risk is being evaluated
Ready for Review	Needs decision from Nerdvana
Promoted	Risk is promoted to the Risk Register
Invalid	Risk identified as Invalid
Duplicate	Duplicate Risk



Executive Advisory Council

Tools

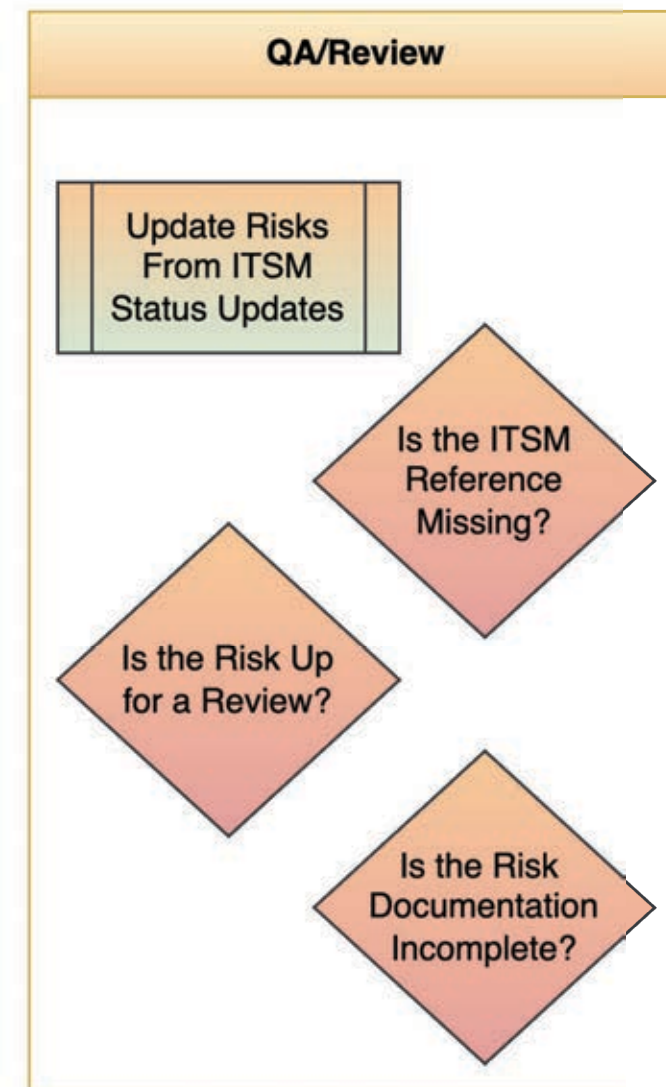


Accountability

Tools

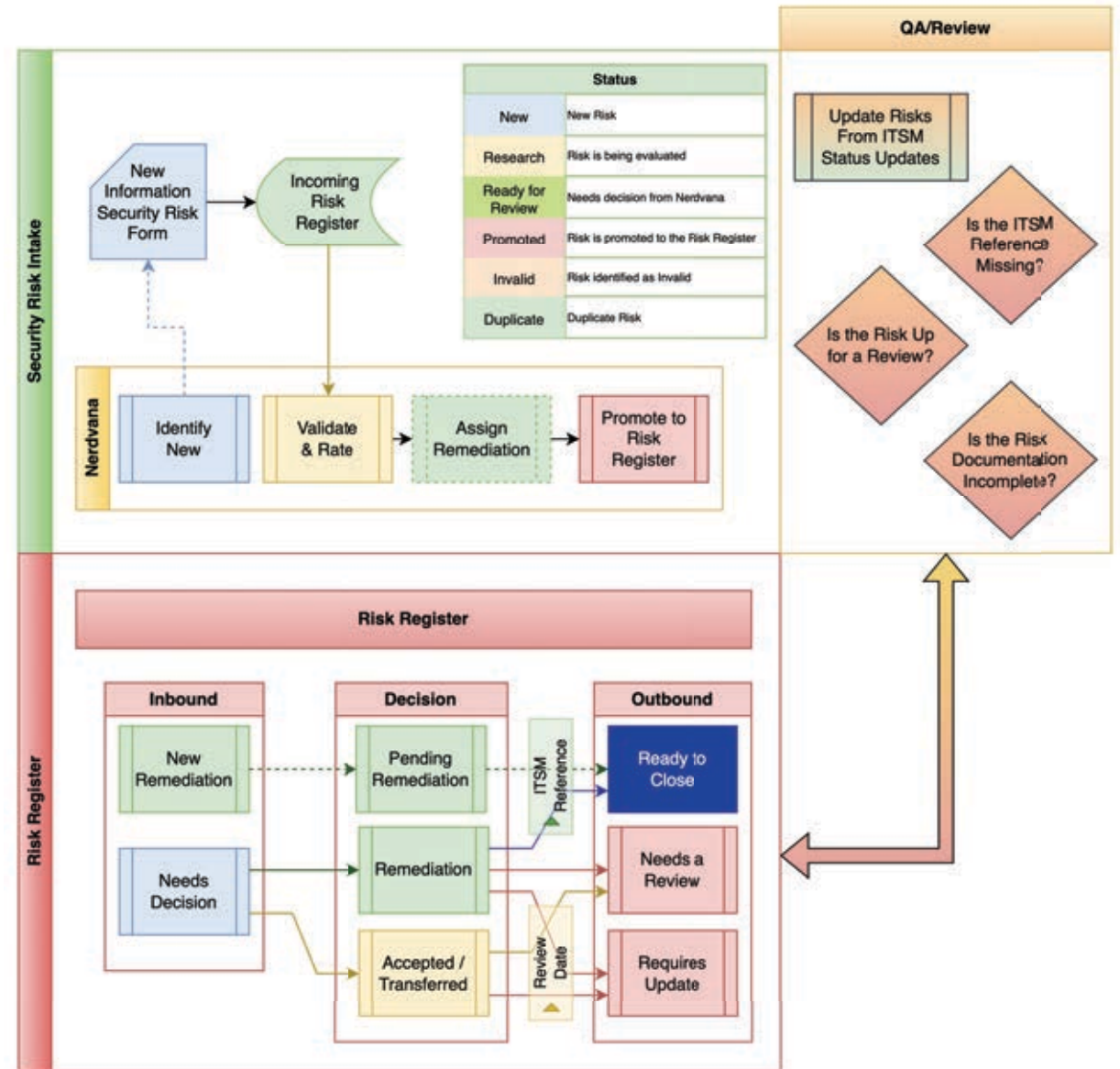


- Automated exception detection
- Weekly exception review
- Risks never go stale
- Provides additional input for “Nerdvana”



Putting It All Together

- Security is an open discussion
- Promotes “Security is Everyone’s Responsibility”
- Builds trust and breaks down barriers
- Risks become “real”, not “academic”
- More accurate ratings
- Ability to adapt



Questions?

"The future of security is not in building higher walls but in building smarter systems that can adapt and learn from each new challenge."
- Dan Schulman, PayPal CEO





Let's **GIVE HOPE**
for Ukrainian Soldiers

